

Preliminary Environmental Assessment - Equivalent Report

Sylmar Charter High School



Prepared for:

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List of Acronyms

22 CCR California Code of Regulations, Title 22

95 UCL 95 percent upper confidence level of the mean

bgs below ground surface

CalEPA California Environmental Protection Agency

COPC Chemical of potential concern

DQOs data quality objectives

DTSC Department of Toxic Substances Control

ESA Environmental Site Assessment

ft feet inch

HHSE Human Health Screening Evaluation LAUSD Los Angeles Unified School District

LCS laboratory control sample

LCSD laboratory control sample duplicate

MS matrix spike sample

MSD matrix spike duplicate sample mg/kg milligrams per kilogram mg/L milligrams per Liter

msl mean sea level

OEHS Office of Environmental Health and Safety

OCPs organochlorine pesticides

PAHs polycyclic aromatic hydrocarbons

PCBs polychlorinated biphenyls

PEA-E Preliminary Environmental Assessment Equivalent

PG Professional Geologist
PLM polarized light microscopy
QA/QC quality assurance/quality control

RSL Regional Screening Level SIM Selective Ion Monitoring

Site Sylmar Charter High School, 13050 Borden Avenue, Sylmar, CA

TPH total petroleum hydrocarbons μg/kg micrograms per kilogram USA Underground Service Alert

USEPA United States Environmental Protection Agency

VOCs volatile organic compounds



Preliminary Environmental Assessment - Equivalent Report Sylmar Charter High School

EXECUTIVE SUMMARY

The following Preliminary Environmental Assessment Equivalent (PEA-E) report has been prepared by Clark Seif Clark, Inc. (CSC) on behalf of the Los Angeles Unified School District (LAUSD) for portions of the existing Sylmar Charter High School as part of facility modernization at the school. Sylmar Charter High School is located at 13050 Borden Avenue on the south corner at the intersection of Borden Avenue and Astoria Street in Sylmar Hollywood, California 91342 (Figure 1).

The School site is approximately 30-acres and developed with approximately 17 permanent buildings and approximately seven modular buildings. The school buildings include classrooms, administrative offices, library, Multi-Purpose Room (MPR) Building, kitchen/cafeteria, gymnasium, automotive shop, and industrial arts shops (Figure 2). Other parts of the school include sports fields and track, agricultural unit including green house and composting area, courtyards, walkways/arcades, parking lots, and landscaped areas.

Portions of the school site were utilized for agriculture from at least as early as 1928 with some agricultural use until around 1960 when the high school was built. Residential dwellings were also periodically present during this period. A Phase I Environmental Site Assessment (Geosyntec Consultants, Inc., March 9, 2022) and PEA Equivalent Sampling Workplan (Geosyntec Consultants, Inc., March 2023) identified the following items of potential environmental concern to be evaluated by sampling if within proposed areas of modernization, demolition, or construction:

Recognized Environmental Conditions (RECs)

- Identification in the Los Angeles Fire Department Certified Unified Program Agency (CUPA) Inactive UST database as having an inactive underground storage tank.
- Identification of staining associated with hydraulic lift or lifts outside the Automotive Shop.
- Identification of an inactive clarifier in the Automotive Shop.

De Minimus Conditions

- Historical agricultural use of portions of the property including orchards and/or pasture land suggests the potential of past pesticide or herbicide use.
- On-site septic systems historically associated with former residential dwellings on the property.



School Site Screening

- Asbestos containing materials (ACM) and possible lead-based paint were identified at the Site or considered likely to be present considering the age of the school and structures.
- Polychlorinated biphenyls (PCBs) were suspected to be present based on age of site structures, presence of hydraulic lifts at the Automotive Shop, and presence of electrical transformers.
- Potential application of pesticides and herbicides during operation of the school in addition to potential historical use.

Geosyntec prepared a *Preliminary Environmental Assessment Equivalent (PEA-E) Workplan* (Geosyntec Consultants, Inc., March 2023), outlining proposed soil sampling locations, depths, and analyses to be performed for the PEA-E. The PEA-E is intended to evaluate RECs, *de minimis* conditions, and/or other conditions identified as part of the school site screening.

CSC slightly revised the sampling program from Geosyntec's original workplan and prepared a. *Revised Workplan Figures and Table* (July 5, 2023). Modifications included collecting field duplicate samples, decreasing number of samples to be analyzed for volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and total petroleum hydrocarbons (TPH), and adjustment of which samples were to be analyzed for the additional constituents.

The PEA-E is focused on locations of planned modernizations of the school which include areas of proposed demolition and construction as well as utility and stormwater infrastructure corridors. Most of the boring/sampling locations were laid out along a southeast-trending alignment in the southwestern part of the campus, following a main utility corridor and traversing grass lawn areas, other planters, and the southwest side of the quad area. Other sample locations were established surrounding and in the vicinity of the Multi-Purpose Room (MPR) Building and kitchen/cafeteria, and along two perpendicular segments extending southwest and northeast from the utility corridor.

Field activities included installation of 45 initial soil borings with an additional three step-out borings at one area where concentrations exceeded screening levels. Initial field sampling activities were completed September 1 and September 25, 2023, completing the initial borings and the three step-out borings on November 10, 2023. Samples were collected at approximate depths of 0.5 feet, 1.5 feet, and 3.0 feet.

All the 0.5-foot initial samples were analyzed for California Title 22 list metals including lead and arsenic by EPA Method 6010B and for OCPs by EPA Method 8081A. Five primary (non-duplicate) 0.5-foot samples were also analyzed for total petroleum hydrocarbons (TPH) by EPA Method 8015M, volatile organic compounds (VOCs) by EPA Method 8260B, polycyclic aromatic hydrocarbons (PAHs) by 8270C SIM, polychlorinated biphenyls (PCBs) by EPA Method 8082, and asbestos by polarized light microscopy (PLM).

The only metal detected above the residential screening level was arsenic in one sample (Table 2). Arsenic was reported at 13 milligrams per kilogram (mg/kg) in sample SHS-43-0.5. A



regional upper-bound background level of 12 mg/kg is utilized as the screening level for arsenic. Arsenic concentration in step-down sample SHS-43-1.5 was 4.4 mg/kg. It was determined that the detection in SHS-43-0.5 was an isolated occurrence. Most other metal detections approximated apparent site background levels.

OCPs detected at the site included 4,4'-DDE and dieldrin. 4,4'-DDE concentrations were below the screening level. Dieldrin was detected above the human health residential screening level of 34 micrograms per kilogram (μ g/kg) in two initial 0.5-foot samples (at SHS-04 and SHS-27) and in 0.5-foot samples at three step-out borings (SHS-46, SHS-47, and SHS-48), to a maximum concentration of 230 μ g/kg. Dieldrin concentrations in associated step-down samples were below the screening level or were not detected (Table 3). Dieldrin impacted soils appear to be locally extensive in surficial soils in the area around SHS-03 and SHS-04 and around SHS-27, potentially extending across the width of the grass planters in those areas.

Benzo (a) pyrene was detected in one sample (SHS-14-0.5) at 300 μ g/kg, which is above the residential screening level of 110 μ g/kg. Benzo (a) pyrene was accompanied by other PAHs which were detected at concentrations below screening levels. Benzo (a) pyrene and other PAHs were not detected in step-down samples from 1.5 and 3.0 feet, suggesting extent of impacted soil is limited.

The only VOCs detected include very low concentrations of acetone, p-isopropyltoluene, and toluene. No VOCs exceeded applicable screening levels. Long-chain (motor oil range) TPH was detected in low concentrations in the six samples (including field duplicate) analyzed, to a maximum concentration of 72 mg/kg (Table 3). No PCBs or asbestos were detected in any of the samples analyzed for those parameters.

Those areas identified with dieldrin or benzo (a) pyrene concentrations above screening levels should be remediated as part of the modernization project planned at the school. A Removal Action Work Plan (RAW) should be prepared to describe procedures for remediating soil with elevated concentrations of these constituents to acceptable levels.



1.0 INTRODUCTION

The following report summarizes methods, observations and results of a soil investigation completed at Sylmar Charter High School (Sylmar HS), 13050 Borden Avenue, Sylmar, California (Figure 1). Work was conducted by Clark Seif Clark, Inc. (CSC) on behalf of the Los Angeles Unified School District (LAUSD) within the southwestern part of the existing Sylmar HS campus as part of modernization and other construction planned at the school.

Proposed improvements at Sylmar HS include the following:

- Demolish and remove the existing Multi-Purpose Room (MPR) Building, Lunch Shelter, and 5 relocatable classroom buildings.
- Construct six new classrooms, Career Center, MPR, Student Store, Food Services, and Lunch Shelter.
- Site-wide infrastructure improvements including sanitary sewer, water, and electrical utilities. Site-wide upgrades to remove identified and prioritized barriers to program accessibility.
- Upgrades to existing landscaping.

Field sampling activities were conducted between September 1 and November 10, 2023, during days school was not in session. Step-out sampling to better characterize one area with impacted soil was conducted on November 10, 2023. Field work was completed in accordance with the Preliminary Environmental Assessment Equivalent Workplan prepared for LAUSD (Geosyntec Consultants, Inc., March 2023) and the Revised Work Plan Figures and Table (CSC, July 5, 2023). In addition, three step-out soil borings were installed within a lawn area north of the MPR) Building that were added to the PEA sampling program. The scope of work included collection of soil samples for analysis of chemicals of potential concern (COPCs).

The objective of the PEA-E investigation was to:

- Determine through sampling and analyses whether historical uses and activities at the Site resulted in deposition of COPCs in soil.
- Determine the concentrations of COPCs and approximate extent and quantity of soil impacted by COPCs on site.
- Evaluate potential risk posed by identified impacts.
- Recommend further action or no further action based on findings.



2.0 SITE DESCRIPTION

Site description information was obtained from a Phase I Environmental Site Assessment (ESA) prepared for the Site (Geosyntec Consultants, Inc., March 9, 2022).

2.1 Site Identification

The site is identified as Sylmar Charter High School and the property has been assigned Los Angeles Assessor's Parcel Number 2509-005-901.

2.2 Site Description

Sylmar Charter High School is located at 13050 Borden Avenue on the east corner of the intersection of Astoria Street and Borden Avenue in Sylmar, California 91343 (Figure 1). The school is bounded on the northwest by Astoria Street, on the northeast by Dronfield Avenue, on the southeast by Raven Street, and on the southwest by Borden Avenue.

The School site is approximately 30-acres and developed with approximately 17 permanent buildings and approximately seven modular buildings. The school buildings include classrooms, administrative offices, library, MPR Building, kitchen/cafeteria, gymnasium, automotive shop, and industrial arts shops (Figure 2). Other parts of the school include sports fields and track, agricultural unit including green house and composting area, courtyards, walkways/arcades, parking lots, and landscaped areas.

Adjacent and surrounding properties consist mostly of single and multifamily residences. Nursing/assisted living facilities are located to the north along Astoria Street, and an elementary school (PUC Community Charter Elementary School) is located to the southeast along Raven Street. Commercial/retail businesses are located along Foothill Boulevard, northeast of the Site. No environmental concerns from adjacent or nearby sites were identified in the Phase I assessment.

2.3 Designated Contact Person

The Environmental Health Manager for Environmental Programs of the LAUSD Office of Environmental Health and Safety (OEHS), Mr. Anthony Espinoza, is the designated contact person. Mr. Espinoza's contact information is listed below.

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3.0 SITE BACKGROUND

Site background information was obtained from a Phase I ESA (Geosyntec Consultants, Inc., March 9, 2022). Portions of the site were used for agriculture at least as far back as 1928 with some degree of agricultural use persisting to approximately 1960 when the school was built. Several buildings including potential warehouse type structures and residential structures were present in various locations at the Site between around 1938 and 1960.

Recognized Environmental Conditions (RECs) identified at the Site in the Phase I ESA include the following:

- The Site is identified in the Los Angeles Fire Department Certified Unified Program Agency (CUPA) Inactive UST database as having an inactive underground storage tank. No other information was discovered at the time of publication of the Phase I ESA.
- Staining associated with hydraulic lift or lifts was identified outside the Automotive Shop. The age of the hydraulic systems and unknown potential for leakage to subsurface soils were identified as a REC.
- An inactive clarifier was identified in the Automotive Shop. The clarifier was installed around 1963 and reportedly received laboratory wastes, wastewater from steam cleaning parts in the automotive shop, ceramics/plaster equipment wash water, floor wash water, and general equipment wash water prior to discharge to the sanitary sewer system. The duration of historical use, hazardous substances discharged, and unknown current status and condition of the clarifier were cited as reasons to consider the inactive clarifier as a REC.

The Phase I ESA also identified the following *de minimus* conditions with potential for environmental impacts at the Site:

- Historical agricultural use of portions of the property including orchards and/or pasture land suggests the potential of past pesticide or herbicide use.
- On-site septic systems were historically associated with former residential dwellings on the property.

Based on a school site screening for environmental issues included in the Phase I ESA, other potential sources of impact to shallow soils or in building materials were identified including the following:

- Asbestos containing materials (ACM) and possible lead-based paint were identified at the Site or considered likely to be present considering the age of the school and structures.
- Polychlorinated biphenyls (PCBs) were suspected to be present based on age of site structures, presence of hydraulic lifts at the Automotive Shop, and presence of electrical transformers.
- Potential application of pesticides and herbicides during operation of the school in addition to potential historical use.



Based on the findings of the Phase I ESA, Geosyntec prepared a *Preliminary Environmental Assessment Equivalent Workplan* (Geosyntec Consultants, Inc., March 2023), outlining proposed soil sampling locations, depths, and analyses to be performed for the PEA-E. The PEA-E is intended to evaluate RECs, *de minimis* conditions, and conditions identified as part of the school site screening.

The PEA-E is focused on locations of planned modernizations of the school which include areas of proposed demolition and construction as well as utility and stormwater infrastructure corridors. Most of the boring/sampling locations were laid out along a southeast-trending alignment in the southwestern part of the campus, following a main utility corridor and traversing grass lawn areas, other planters, and the southwest side of the quad area. Other sample locations were established surrounding and in the vicinity of the MPR Building and kitchen/cafeteria, and along two perpendicular lines extending southwest and northeast from the utility corridor.

In coordination with LAUSD OEHS, CSC slightly revised the sampling program from Geosyntec's original workplan. Modifications included the following:

- Collection of approximately ten percent duplicate samples was added.
- The number of samples to be analyzed for volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and total petroleum hydrocarbons (TPH) was decreased.
- Locations where additional analyses were planned were adjusted.

CSC submitted the *Revised Workplan Figures and Table* on July 5, 2023, and the revised sampling and analysis approach was subsequently approved by OEHS. A copy of the *Revised Workplan Figures and Table* is included in Appendix A.



4.0 PROJECT SCOPE

The Phase I ESA identified several areas of concern or potential impacts at the school where COPCs could be present. Based on proposed modernization improvements, historical land use, historical on-site septic systems, and other potential sources identified, the primary COPCs analyzed for all initial shallow/surficial samples were metals (including lead and arsenic) and organochlorine pesticides (OCPs). Volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), total petroleum hydrocarbons (TPH), polychlorinated biphenyls (PCBs), and asbestos were also analyzed in five of the 45 primary samples initially collected for analysis (approximately ten percent).

The sampling effort was designed to assess concentrations of COPC (if any) in the subsurface and provide sufficient data to evaluate potential risk to human health.



5.0 ENVIRONMENTAL SETTING

This section describes topography, geology, hydrogeology and potential exposure pathways associated the site environmental setting.

5.1 Topography

According to the US Geological Survey, San Fernando topographic map, the site is at an elevation of approximately 1,260 feet above mean sea level. The topography in the immediate area is generally flat with a slight slope to the south-southwest. The nearest water body is the channelized drainage flowing from Wilson Canyon, which joins the subterranean storm drain system near the north corner of the school.

5.2 Geology

The site is located in the northeastern part of the San Fernando Valley, a sediment filled basin within the Transverse Ranges Province in Southern California. Subsurface sediments in this area consist of younger and older alluvial deposits of interbedded silts, sands, and gravels that originated from the San Gabriel Mountains. The San Gabriel Mountains are primarily comprised of igneous and metamorphic crystalline basement rock ranging in age from Precambrian to Cretaceous. Tertiary and younger sedimentary rocks and deposits are locally present.

Traces of the Sylmar fault segment of the San Fernando fault zone are mapped as close as 1,600 feet east of the Site, and ground surface faulting from the 1971 San Fernando earthquake was documented within 2,400 feet southeast of the school.

Soils encountered in borings advanced at the Site for the PEA-E consisted primarily of dark brown, dark yellowish brown, or brown silty fine sand to sandy silt with trace to some gravel and local trace clay. Soil was very dense at some boring locations in paved areas. A thin layer of gravel base material was noted below concrete at three boring locations. No boring logs were prepared due to the shallow nature of the sampling.

5.3 Hydrogeology

Groundwater information from a nearby site approximately ½ mile of the school cited in the Phase I ESA report (Geosyntec Consultants, Inc., March 9, 2022) indicated groundwater is present at depths ranging from 122 to 125 feet below ground surface. Groundwater flow direction at that site is generally toward the southwest but at times gradient indicates flow toward the northwest.



5.4 Factors Related to Soil Pathways

This investigation focused on shallow soils where direct dermal contact with or ingestion of soil are the most likely exposure pathways for future construction workers, students, and faculty. Current exposure is limited to areas of exposed soil primarily including planter and grass areas. Future direct exposure of construction workers in these area as well as areas where hardscape is removed is possible via these two pathways. Future construction workers could be exposed during demolition and re-construction activities if impacted soil is not removed prior to work.

5.5 Factors Related to Water Pathways

Based on depth to groundwater and the nearest surface water diverted into the underground storm drain system, no impacts to ground or surface water are expected from COPCs at the school, and potential exposure via water is not a complete pathway.

5.6 Factors Related to Air Pathways

Non-volatile constituents bound to dust particles is the primary exposure route comprising the air pathway. Metals, OCPs, and PAHs could be released in fugitive dust, particularly from excavation or other soil disturbance. Students, faculty, and construction workers could be exposed via inhalation.



6.0 SAMPLING ACTIVITIES

Field activities included a total of 45 initial shallow soil borings with an additional three step-out borings at locations where concentrations exceeded screening levels. Target depth for all borings was three feet; refusal above that depth was encountered at a few locations. Soil samples were collected at approximately 0.5, 1.5, and 3.0 feet. Initially, only the 0.5-foot samples were analyzed. If elevated concentrations of any COPCs were detected, one or both of the deeper samples were analyzed for the parameter in question (step-down samples). Assigned sample depths represented approximate depth of soil at bottom end of sample. For 0.5-foot samples in paved areas, samples were collected approximately six inches below base of asphalt or concrete. Deeper samples were measured below ground surface.

Geophysical utility screening was conducted August 10-11, 2023. Field sampling activities were completed on weekdays when school was not in session. Field sampling was conducted on September 1, September 25, and November 10, 2023. The three step-out borings were completed on November 10, 2023.

All 45 initial 0.5-foot primary (non-duplicate) samples were analyzed for the following:

- OCPs by EPA Method 8081.
- California Code of Regulations Title 22 (22CCR) list metals (including lead and arsenic) by EPA Method 6010B/7471A.

A total of 23 of these samples were also analyzed for arsenic and thallium by EPA Method 6020.

Five primary samples (approximately ten percent) were also analyzed for the following:

- VOCs by EPA Method 8260B.
- PAHs by EPA Method 8270C with selective ion monitoring (SIM).
- TPH by EPA Method 8015B.
- PCBs by EPA Method 8082.
- Asbestos by polarized light microscopy (PLM), results reported as detected/not detected at one percent.

Step-down and step-out samples were analyzed only for parameters with concentrations that exceeded screening levels. Thirteen of 16 step-down and step-out samples were analyzed only for OCPs (one step-down sample analyzed for arsenic and two step-down samples analyzed for PAHs).

In total, 66 soil samples were analyzed for one or more constituents.

All work was conducted under the direction of a Professional Geologist registered in the State of California. Selected photographs of the school and sampling locations are provided in Appendix B.



6.1 Community Notifications

Prior to sampling activities, the school's students, faculty, and immediate school neighbors were notified of the investigation with an Assessment Work Notice (August 11, 2023). The Assessment Work Notice was mailed to all of the school's students, residents and businesses within a 500-foot perimeter of the school. Copies of the Assessment Work Notice were hand delivered to immediate neighbors and provided to the school. A copy of the Assessment Work Notice is provided in Appendix C.

6.2 Health and Safety Plan

A site-specific health and safety plan to evaluate concerns associated with the investigation was implemented. The health and safety plan included safety meetings prior to start of field activities to make site personnel aware of site-related health and safety issues.

6.3 Pre-Sampling Site Inspection

Prior to initiating field activities, the site was visited with LAUSD OEHS to observe and confirm sample locations. Sampling locations were based on the *Revised Work Plan and Table*, *PEA-Equivalent* (CSC, July 5, 2023) for the investigation (Appendix A).

6.4 Borehole Clearance

Underground Services Alert (USA) was contacted prior to sampling to clear locations of underground utilities. USA notified utility owners of up-coming sampling activity to mark locations of their lines.

Additionally, each drilling location was screened by a contracted utility locator company (on August 10-11, 2023) using geophysical methods. Equipment used to locate potential subsurface obstructions included: Schonstedt Magnetometer (magnetic gradiometer), Radiodetection RD7000 Transmitter and Receiver pipe and cable locator (operated under ambient, ground induction, and connection modes), Fisher Gemini 3 bar suspended electromagnetic induction metal detector, and Mala 500 megahertz ground penetrating radar (GPR).

Some sampling locations were adjusted slightly to avoid underground utilities. A copy of the geophysical utility screening report is included in Appendix D.

6.5 Sampling Locations

Soil sampling locations and depths were completed as specified in the PEA Equivalent sampling locations document and are described below. School layout and study area are shown on Figure 2. Sampling locations are shown on Figures 3A, 3B, and 3C. Soil boring locations were located to evaluate a utility corridor, buildings slated for demolition, or other areas planned for improvements.



Sampling locations were laid out as follows:

- Most sampling locations were established along a utility corridor that extends toward the southeast across the southwestern part of the campus. This alignment traverses elevated grass areas (SHS-01 to -04; SHS-26, -27, -33, and -34, plus step-out borings SHS-46 and -47), a paved quad area (SHS-09, -23, -24, and -25), and ground level planters and driveway (SHS-39 to -45).
- Sample locations were also established near the Administration Building and Library (SHS-05 to -08), and in the area surrounding the MPR) Building and Kitchen and Lunch Building (SHS-10 to -22).
- A series of borings were placed along the northeast trending walkway/arcade adjacent to the southeast side of Building C and the Science and Chemistry Building (SHS-35 to -38).
- Another line of sample locations was established along a planter area with fruit trees and extending southwest across a parking lot to Borden Avenue (SHS-28 to -32).

Samples were collected within upper six inches of soil (designated as 0.5-foot and referred to as surface samples), 1.5 feet below ground surface (bgs), and 3.0 feet bgs. Refusal was encountered in a couple of locations before reaching a depth of three feet; in those cases a three-foot sample was not able to be collected.

6.6 Soil Sampling

Soil sampling was conducted on September 1, September 25, and November 10, 2023, on days school was not in session. A hand auger was used to advance borings and collect samples.

Soil encountered during sampling activities consisted mostly of dark brown, dark yellowish brown and brown silty fine sand and sandy silt, with trace to some gravel and localized trace clay. In some concrete paved areas the soils were very dense and difficult to auger. No staining, odors, or obvious indications of contamination were observed in any of the soil samples. Lithologic logs were not prepared for soil borings because all were shallow and soils were consistently similar across the Site.

Soil samples were collected in certified clean 4- and 8-ounce glass jars. Sample locations were identified as indicated in the work plan. Duplicate samples were collected to assess variability within the soil matrix. Samples for VOC analysis were prepared in the field using EPA Method 5035, which includes three aliquots of soil preserved in sodium bisulfate and methanol.

Soil samples were properly labeled and placed in a cooled ice chest and transported to the laboratory for analysis. Standard Chain-of-Custody was maintained on all samples. Standard decontamination procedures were used during the handling of all sampling equipment in accordance with industry standard methods. Decontamination was performed by scrubbing with



detergent and potable water solution, followed by deionized water rinse. Samples were picked up by the laboratory's courier on the same day of collection or within three days.

6.7 Soil Sampling Analysis Plan

The original *Preliminary Environmental Assessment Equivalent Work Plan* prepared by Geosyntec, Inc. (March 2023) outlined sampling locations, procedures and proposed analyses. CSC submitted the *Revised Workplan Figures and Table* on July 5, 2023, and the revised sampling and analysis approach was subsequently approved by OEHS. Changes to the proposed sampling program include:

- Collection of four field duplicate samples was added.
- The number of samples to be analyzed for VOCs, PAHs, PCBs, and asbestos was decreased to five primary surface (0.5-foot) samples plus one field duplicate.
- Samples for which the additional analyses were run were adjusted.

A copy of the *Revised Workplan Figures and Table* (CSC, July 5, 2023) is included in Appendix A.

Soil samples collected from the school were selectively analyzed as specified by LAUSD OEHS for the following COPCs:

- OCPs by EPA Method 8081A (all original surface samples, three step-out surficial samples, and ten step-down samples).
- Title 22 Metals by EPA Methods 6010B/7471A (all original surface samples).
- Arsenic and thallium by EPA Method 6020 (22 surface samples collected on September 1, 2023 and arsenic only in one step-down sample)
- Total Petroleum Hydrocarbons (TPH) by EPA Method 8015M (six surface samples).
- PCBs by EPA Method 8082 (six surface samples).
- VOCs by EPA Method 8260B (six surface samples).
- PAHs by EPA Method 8270C with SIM (six surface samples and two step-down samples).

6.8 Analytical Laboratories

Soil samples were analyzed at SunStar Laboratories, Inc. located in Lake Forest, California, a state-certified laboratory under the Environmental Laboratory Accreditation Program (ELAP).



6.9 Other Contractors

Concrete and asphalt coring and patching in paved areas was completed by Strongarm Environmental Field Services of Fullerton, California. Geophysical survey of the sample areas was completed by ULS Services Corp of California, located in San Diego, California.

6.10 Variances

One sample location (SHS-42-0.5) planned for analyses to include VOCs, PAHs, PCBs, and asbestos was not analyzed for those parameters. Nearby sample SHS-44-0.5 was substituted for these analyses.

Samples collected on September 1, 2023 were also analyzed for arsenic and thallium by EPA Method 6020 in addition to Method 6010B, although not specified in OEHS' Request for Proposal or in CSC's proposal. This method provided lower reporting limits for those samples, resulting in additional detections for arsenic (thallium was not detected in any analysis).



7.0 INVESTIGATION RESULTS

Table 1 provides a summary of samples collected and analyses performed. Table 2 presents results for metals analyses. Table 3 presents results of organic analytes detected in one or more samples. Laboratory reports are provided in Appendix E.

Arsenic, dieldrin (OCP), and benzo (a) pyrene (PAH) were the only COPCs identified above screening levels in any sample.

Arsenic was detected slightly above the screening level of 12 mg/kg only in sample SHS-43-0.5 (13 mg/kg), and was not detected above the screening level in step-down sample SHS-43-1.5.

Dieldrin was detected above commercial/industrial screening level of 93 μ g/L in three samples (SHS-04-0.5, and step-out samples SHS-46-0.5 and SHS-47-0.5). Dieldrin was also detected above residential screening level (SL) of 34 μ g/kg in two samples (SHS-27-0.5 and step-out sample SHS-48-0.5). Dieldrin was not detected above screening level in any step-down samples.

Benzo (a) pyrene was detected above the residential screening level of $110 \mu g/kg$ in sample SHS-14-0.5. It was not detected in two step-down samples at that location.

Analytical results are discussed below.

7.1 Analytical Results

<u>Metals</u>

Based on results of Title 22 metals analyses, antimony, silver, beryllium, cadmium, molybdenum, selenium, and thallium were not detected in any sample (Table 2). No metals exceeded screening levels except for arsenic in one sample. A summary of the metals that were detected is as follows:

- Arsenic was detected in 34 samples at concentrations ranging from 0.56 mg/kg (SHS-09-0.5) to 13 mg/kg (SHS-43-0.5).
- Barium was detected in 49 samples at concentrations ranging from 68 mg/kg (SHS-26-0.5) to 230 mg/kg (SHS-20-0.5).
- Chromium was detected in 49 samples at concentrations ranging from 7.1 mg/kg (SHS-09-0.5D) to 22 mg/kg (SHS-02-0.5).
- Cobalt was detected in 49 samples at concentrations ranging from 5.2 mg/kg (SHS-26-0.5) to 14 mg/kg (SHS-18-0.5).
- Copper was detected in 49 samples at concentrations ranging from 9.8 mg/kg (SHS-09-0.5D) to 34 mg/kg (SHS-43-0.5).
- Lead was detected in 35 samples at concentrations ranging from 3.5 mg/kg (SHS-05-0.5) to 29 mg/kg (SHS-02-0.5, SHS-04-0.5 and SHS-43-0.5).



- Mercury was detected in four samples at concentrations ranging from 0.12 mg/kg (SHS-01-0.5D) to 0.18 mg/kg (SHS-44-0.5).
- Nickel was detected in 49 samples at concentrations ranging from 7.5 mg/kg (SHS-41-0.5) to 18 mg/kg (SHS-06-0.5 and SHS-22-0.5).
- Vanadium was detected in 49 samples at concentrations ranging from 23 mg/kg (SHS-27-0.5) to 58 mg/kg (SHS-06-0.5 and SHS-20-0.5).
- Zinc was detected in 49 samples at concentrations ranging from 24 mg/kg (SHS-09-0.5D) to 150 mg/kg (SHS-43-0.5).

OCPs

As shown on Table 3, OCPs detected at the site included 4, 4'-DDE and dieldrin. Dieldrin exceeded residential screening level in five samples and exceeded commercial/industrial screening level in three of those samples. Detections of OCPs are summarized below:

- 4, 4'-DDE was detected in three samples at concentrations ranging from 6.8 μg/kg (SHS-01-0.5) to 53 μg/kg (step-out sample SHS-47-0.5).
- Dieldrin was detected in 14 samples at concentrations ranging from 6.3 μ g/kg (SHS-33-05) to 230 μ g/kg (step-out sample SHS-47-0.5).

<u>PAHs</u>

As shown on Table 3, PAHs were detected in one of six samples analyzed for this parameter (SHS-14-0.5). The concentration of benzo (a) pyrene exceeds the respective residential screening level. PAHs detected in this sample include:

- Benzo (a) anthracene was detected at a concentration of 380 μg/kg.
- Benzo (b) fluoranthene was detected at a concentration of 450 μg/kg.
- Benzo (k) fluoranthene was detected at a concentration of 99 μg/kg.
- Benzo (g,h,i) perylene was detected at a concentration of 150 μg/kg.
- Benzo (a) pyrene was detected at a concentration of 300 μg/kg.
- Chrysene was detected at a concentration of 420 μg/kg.
- Fluoranthene was detected at a concentration of 470 µg/kg.
- Indeno (1,2,3) pyrene was detected at a concentration of 110 µg/kg.
- Phenanthrene was detected at a concentration of 39 µg/kg.
- Pyrene was detected at a concentration of 440 μg/kg.



VOCs

As shown on Table 3, three VOCs were detected in one or more of six samples analyzed for this parameter. No VOCs exceeded their respective screening level. VOCs detected include the following:

- Acetone was reported in the six samples analyzed at concentrations ranging from 18 μ g/kg (SHS-38-0.5) to 38 μ g/kg (SHS-01-0.5). Acetone is a common laboratory contaminant and may be generated in low concentrations by reaction of soil matrix with acidic sodium bisulfate sample preservative.
- P-isopropyltoluene (also referred to as p-cymene and 4-isopropyltoluene) was detected in one of the six samples analyzed (SHS-14-0.5) at $6.4 \mu g/kg$.
- Toluene was detected in one of the six samples analyzed (SHS-14-0.5) at 2.7 µg/kg.

TPH

As shown on Table 3, long chain TPH (motor oil carbon range) was detected in six of six samples analyzed for this parameter. TPH concentrations did not exceed the screening level. TPH concentrations ranged from 16 mg/kg (SHS-38-0.5) to 71 mg/kg (SHS-14-0.5).

PCBs

PCBs were not detected in any of the six samples analyzed for that parameter and results are not tabulated.

Asbestos

Asbestos was not detected in any of the six samples analyzed for that parameter and results are not tabulated.

Additional Soil Sampling ("Step-out" and "Step-down" Samples)

Detections of arsenic (above regional background level), dieldrin, or benzo (a) pyrene at concentrations close to or exceeding residential SLs were identified in the following primary sampling locations:

- SHS-03-0.5 Dieldrin at 32 μ g/kg < SL of 34 μ g/kg.
- SHS-04-0.5 Dieldrin at 100 μ g/kg > SL of 34 μ g/kg.
- SHS-14-0.5 Benzo (a) pyrene at 300 μ g/kg > SL of 110 μ g/kg.
- SHS-27-0.5 Dieldrin at 83 μ g/kg > SL of 34 μ g/kg.
- SHS-43-0.5 Arsenic at 13 mg/kg > regional upper-bound background level of 12 mg/kg.



Based on these results, selected step-down samples were analyzed for those parameters with results as follows:

- SHS-04-1.5 Dieldrin detected at 9.9 μ g/kg < SL of 34 μ g/kg.
- SHS-04-3.0 Dieldrin detected at 12 μ g/kg < SL of 34 μ g/kg.
- SHS-14-1.5 Benzo (a) pyrene not detected at 10 μg/kg.
- SHS-14-3.0 Benzo (a) pyrene not detected at 10 µg/kg.
- SHS-27-1.5 Dieldrin not detected at 5.0 µg/kg.
- SHS-27-3.0 Dieldrin not detected at 5.0 μg/kg.
- SHS-43-1.5 Arsenic detected at 4.4 mg/kg < regional background level of 12 mg/kg.

None of the step-down samples collected from 1.5 feet bgs or deeper contained target analytes in concentrations above their respective SLs or regional background levels, suggesting identified impacts are likely restricted to the upper approximately one foot of soils in those locations.

Additional step-out sampling was completed near sample locations SHS-03 and SHS-04 with dieldrin near or above the SL in order to estimate the approximate extent of impacted soils. Step-out boring SHS-46 was located approximately five feet southeast of SHS-04, SHS-47 was located midway between SHS-04 and SHS-03, and SHS-48 was located approximately five feet northwest of SHS-03. Samples from all three depths in these borings were analyzed for OCPs. Results from these step-out borings were as follows:

- SHS-46-0.5 Dieldrin at 120 μ g/kg > SL of 34 μ g/kg.
- SHS-46-1.5 Dieldrin not detected at 5.0 µg/kg.
- SHS-46-3.0 Dieldrin not detected at 5.0 μg/kg.
- SHS-47-0.5 Dieldrin at 230 μ g/kg > SL of 34 μ g/kg.
- SHS-47-1.5 Dieldrin at not detected at 5.0 µg/kg.
- SHS-47-3.0 Dieldrin not detected at 5.0 μg/kg.
- SHS-48-0.5 Dieldrin at 66 μ g/kg > SL of 34 μ g/kg.
- SHS-48-1.5 Dieldrin at not detected at 5.0 μg/kg.
- SHS-48-3.0 Dieldrin not detected at 5.0 μg/kg.

Because most of the samples with concentrations elevated above SLs occurred within relatively narrow strips or small areas in which future excavation may be planned, lateral extent of impacts was not explored in two directions. Therefore, the entire width of these areas is considered to be impacted for the purpose of potential need for soil removal. Further, given that the 1.5-foot bgs sample results were all below SLs, it appears that a removal depth of one foot would be sufficient to address elevated concentrations of contaminants.

Figure 4 shows locations at the Site where screening levels were exceeded, including the elevated grass planters where elevated concentrations of dieldrin were detected around SHS-04 and SHS-27, benzo (a) pyrene at SHS-14, and arsenic at SHS-43.



7.2 Summary of Impacted Areas

Initial sampling identified five locations where soil results exceeded DTSC screening levels as summarized below. The extent of soil impacted above screening levels in one area was delineated in part by step-out borings. An overview of the school site showing the impacted locations is provided as Figure 4.

Estimated volumes of impacted soil are summarized below. Volumes were calculated based on best estimate of the extent of impacted shallow soils at these locations. A total of approximately 148 cubic yards of soil is recommended for removal.

Location SHS-03 and -04

Sample location SHS-04 was located in a partly raised grass planter area along the main utility corridor, in the northwestern part of the study area, where dieldrin was detected above the SL. In addition to analyzing 1.5- and 3.0-foot step-down samples at SHS-04 (in which dieldrin concentrations were below SLs), step-out borings were also installed approximately five feet to the southeast of SHS-04, five feet to the northwest of SHS-03, and midway between those two borings.

Dieldrin was detected at concentrations above SLs in the surface samples from these three stepout borings, but not in any of the step-down samples. The results of the sampling in this location suggest this approximate 35 by 70 foot area is impacted within a depth of approximate one foot bgs. The calculated volume of affected soil in this area is approximately 100 cubic yards. The approximate extent of this area is shown on Figure 5.

Location SHS-14

Sample location SHS-14 was located in a concrete paved area adjacent to the southwest side of the kitchen/lunch building near electrical infrastructure. Benzo (a) pyrene was detected above the SL in the 0.5-foot sample, but was not detected in associated step-down samples analyzed. It was determined that this was an isolated occurrence and step-out borings were not installed. It is unlikely that the extent of impacted soils would exceed a 15 by 15-foot area. Assuming a depth of one foot bgs, the calculated volume would be approximately 8 cubic yards. The approximate extent of this area is shown on Figure 6.

Location SHS-27

Sample location SHS-27 was located at the southeastern end of another grass planter area along the main utility corridor, in the central part of the study area. Dieldrin was detected above the SL in the surface sample at this location, but was not detected in step-down samples, or at SHS-26-0.5 to the northwest in the same planter area. This occurrence appears to be limited to the immediate area around SHS-27 and step-out samples were not installed here. Assuming a conservative area of impact as extending approximately halfway to SHS-26 and the width of the



grass planter, area of impact is estimated to be approximately 30 by 35 feet. Assuming a depth of impact of one foot bgs, the calculated volume of impacted soil is approximately 40 cubic yards. The approximate extent of this area is shown on Figure 7.

Location SHS-43

Sample location SHS-43 was located in an on-grade planter area at the southeast end of the study area. Arsenic was detected in the surface sample at this location at a concentration of 13 mg/kg, which slightly exceeds the regional upper bound background concentration of 12 mg/kg, used as the SL. Concentration in the 1.5-foot step-down sample at this location was 4.4 mg/kg, which is approximately equal to the 95 percent upper confidence limit of the mean (95 UCL) for the Site (discussed in Section 8.0). Therefore, although the arsenic concentration in this sample exceeds the SL, this detection is considered an outlier.

7.3 Waste Classification

Analytical results for all samples are below potential hazardous waste thresholds for concentration based constituents. Therefore, soil designated for removal and off-site disposal will not require management as hazardous waste. Disposal facility may require additional analysis of excavated soils to confirm this classification.

7.4 Quality Assurance / Quality Control

Quality assurance and quality control (QA/QC) measures which included field and laboratory procedures were conducted during the assessment to ensure the data is accurate and representative of site conditions.

Field QA/QC procedures included using new gloves during sample collection and handling, standard decontamination of sampling equipment, and appropriate labeling, logging, and preservation of sample immediately after collection. Duplicate (co-located) sample analysis was also performed as part of QA/QC measures.

Standard Chain-of-Custody was maintained on all samples. All samples were analyzed by the appropriate EPA testing method as specified. Arsenic and thallium analysis by EPA Method 6020 was added for samples collected September 1, 2023.

Laboratory QA/QC included analysis of surrogates, laboratory blanks, laboratory control samples (LCS), laboratory control sample duplicates (LCSD), matrix spike samples (MS), and matrix spike duplicate samples (MSD) as appropriate. All samples were analyzed within applicable holding times. Most laboratory control standards were within acceptable control limits with the exception of the following:



- Recoveries in 27 analyses for OCP surrogate decachlorobiphenyl were below control limits. These were deemed acceptable based on recovery of other surrogate tetrachlorometa-xylene within limits and results are not qualified.
- Recoveries in four samples for OCP surrogates decachlorobiphenyl and tetrachloro-metaxylene were below control limits. These were attributed to apparent matrix interference. These were deemed acceptable based on recoveries within limits in blank spike and MS/MSD samples and results are not qualified.
- Dilution was necessary in five samples due to matrix interference. Reporting limits increased accordingly but no results needed qualification.
- A total of 38 recoveries for metals arsenic, barium, cadmium, chromium and/or lead were below control limits for MS or MSD analyses. These were attributed to matrix interference and deemed acceptable based on LCS/LCSD recoveries within controls. No results needed qualification.
- A total of three recoveries for barium, cadmium and lead were below control limits for MS analysis. These were deemed acceptable based on LCS/LCSD recoveries within controls and no results needed qualification.
- Two recoveries for mercury in MS and MSD analysis were below control limits. These were attributed to matrix interference and deemed acceptable based on LCS/LCSD recoveries within controls. Results were not qualified.
- Five recoveries for arsenic by EPA Method 6020 were below control limits. These were attributed to matrix interference and deemed acceptable based on LCS/LCSD or postspike recoveries within controls and no results needed qualification.
- Acetone detections in VOC analyses were attributed to reaction with acidic preservative used in Method 5035 which created low concentrations of acetone. Acetone was not detected in method blanks.

Laboratory data was compiled into tabular form for assessment and verification. The laboratory data was considered to meet the data quality objectives (DQOs) for accuracy, precision, completeness, representativeness, and comparability.



8.0 HUMAN HEALTH SCREENING EVAULATION

The following section discusses potential risks to human health and the environment posed by COPCs identified during this investigation. Since COPCs detected on site are commonly found in shallow soil in developed areas and are those commonly managed at school sites (i.e., arsenic, lead and OCPs), this screening is limited to comparing results to DTSC-recommended Screening Levels (DTSC-SLs) or US EPA Regional Screening Levels (EPA-RSLs) for residential soil to determine potential health hazard posed by potential exposure on site. Since SLs tend to utilize very conservative input values such as exposure duration and toxicity values, screening levels generally over-estimate health risks and hazards. Consequently, if site concentrations are below respective SLs, no further risk assessment, investigation, or remedial action is typically warranted.

Potential background levels of synthetic chemicals are generally not considered when evaluating human health risk or toxicity hazard, since background concentrations of those COPCs is assumed to be zero. However, metals are naturally occurring in soil and concentrations of metals exceeding apparent background levels are considered in the HHSE.

In the case of arsenic, combined naturally occurring and anthropogenic arsenic background concentration has been established as 12 mg/kg for Los Angeles Unified School Sites (DTSC, 2017). As a result of the established DTSC approved screening level of 12 mg/kg for arsenic in residential soil, the screening health risk and/or hazard for arsenic is not quantified.

Further, analysis of the 95 UCL of the mean for arsenic was conducted. Inputs included all detections and utilizing a value of one-half the reporting limit for non-detect results. This evaluation yielded a 95 UCL value of 4.448 mg/kg.

The 95 UCL of the mean was also evaluated for dieldrin. Again, inputs included all detections and utilized one-half the reporting limit as input value for non-detect results. This analysis resulted in a 95 UCL for dieldrin of 33.89 $\mu g/kg$, which essentially matches the residential screening level of 34 $\mu g/kg$. Therefore, it is appropriate to include dieldrin in evaluation of risk for the Site.

The 95 UCL of the mean was not evaluated for benzo (a) pyrene because of insufficient data points.

Copies of the 95 UCL statistical analysis summaries for arsenic and dieldrin are included in Appendix F.

8.1 Exposure Pathways and Media of Concern

Depending on the physical characteristics of the COPCs, potential exposure routes may include dermal contact, incidental ingestion, and inhalation of soil, soil particulates, and/or soil vapor which could possibly occur during school outdoor activities or during future construction.



Because elevated concentrations are limited to shallow soil and groundwater occurs at around 122-125 feet, groundwater pathway was judged to be incomplete and was not evaluated as a potential exposure pathway.

8.2 Potentially Exposed Receptor Populations

Population potentially exposed to COPCs in shallow soil includes students, faculty and staff, and future construction workers. In order to provide a conservative risk evaluation, sampling results are compared to residential screening levels when evaluating school sites. Since residential screening levels assume 24-hour a day exposure, these values will over-estimate potential hazard students, staff, and construction workers would be potentially exposed in a single day.

8.3 Human Health Screening Evaluation

A human health screening evaluation (HHSE) was completed to evaluate potential risk and/or hazard posed by COPCs identified in site soil. Results of the evaluation are summarized in Table 4.

In general, HHSE should include all chemicals with assigned SLs that are detected above background levels as COPCs. Therefore, all synthetic chemicals (for which background concentration is assumed to be zero) having SLs and that were detected at the Site are included. These include selected VOCs, OCPs, PAHs, and TPH which have assigned SLs. Acetone was not included because its detection is attributed to reaction of acidic sample preservative used for EPA Method 5035 preparation with soil matrix that produces low levels of acetone. For chemicals such as metals that are commonly naturally occurring, detections of metals at concentrations exceeding apparent Site background levels were also included.

As Table 4 shows, the following COPCs detected at the Site were included in the HHSE evaluation for excess cancer risk and/or health hazard index as applicable:

- Barium
- Chromium
- Copper
- Lead
- Mercury
- Vanadium
- 4,4-DDE
- Dieldrin
- Benzo (a) anthracene
- Benzo (b) fluoranthene
- Benzo (k) fluoranthene
- Benzo (a) pyrene
- Chrysene
- Fluoranthene



- Indeno (1,2,3-cd) pyrene
- Toluene
- TPH-motor oil carbon range

In addition, standard HHSE procedure includes utilizing the highest detected concentrations of COPCs. This may over-estimate potential health risk and hazard posed at a site because it assumes risk and hazard are the same regardless of where on a site a receptor may be located.

Using the maximum COPC concentrations detected, the calculated cumulative excess cancer risk is 1.04E-05 and the calculated cumulative hazard index is 0.846.

Cumulative cancer risk of 1.04E-05 exceeds the generally accepted departure value of 1.0E-06 by approximately one order of magnitude. This value is predominantly comprised of the risk from dieldrin (6.76E-06) plus the one detection of benzo (a) pyrene (2.73E-06). Based on this evaluation, it is recommended that soils in areas impacted by these two COPCs be removed as described in Section 7.2.

The cumulative hazard index of 0.846 is less than the typical departure value of 1.0. Therefore, soils with non-carcinogenic potential hazards do not merit removal at the Site.

The SL for arsenic of 12 mg/kg is based on upper-bound background level for school sites in Southern California as determined by DTSC and not on human health risk. Therefore, arsenic impacts are not addressed as part of the HHSE but managed on an occurrence-by-occurrence basis. At this Site, arsenic concentration above the SL was reported only in one sample (13 mg/kg in SHS-43-0.5). The 95 UCL for arsenic was calculated to be 4.448 mg/kg. This indicates the one SL exceedance is an outlier suggesting that soil removal is not warranted at that location.

8.4 Ecological Screening Evaluation

Sylmar Charter High School is located within a completely developed residential/commercial area in the City of Los Angeles. Native wildlife or habitat does not exist within the school campus or immediate area; therefore, an ecological assessment was not conducted.



9.0 COMMUNITY OUTREACH

This report will be made available for public review. The following describes the community notification activities for this preliminary environmental assessment of the Sylmar Charter High School modernization project.

• A one-page public notice was prepared in accordance with the established DTSC guidelines for informing the community at and surrounding the school of the PEA-E field investigation. Prior to implementation of the PEA-E field investigation, the public notice was distributed to residents and businesses within the line-of-sight of the school campus. Additionally, copies of the notices were mailed to all students who attended the school prior to field activities and copies were provided to school faculty and staff. Copies of the notice were also mailed to addresses within a 500-foot perimeter of the school. The public notice provided written notification in English and Spanish. Copies of the public notices are included in Appendix C. The public notices provided contact information for anyone in the community who may have questions or concerns regarding the project. No additional public participation activities were identified for the project with the exception of the 30-day Public Comment period for the PEA-E Report.

The PEA-E will be finalized if necessary to incorporate public comments from the 30-Day Public Comment Period.



10.0 CONCLUSIONS, SUMMARY, AND RECOMMENDATION

10.1 Conclusions

Conclusions derived from this investigation include:

- VOCs reported in soil samples at the Site include acetone, p-isopropyltoluene, and toluene. None of these constituents were detected above screening levels (pisopropyltoluene does not have assigned screening level).
- No PCBs or asbestos were detected in any of the samples analyzed for these parameters.
- OCPs detected at the site included 4,4'-DDE and dieldrin. Dieldrin was detected above the residential screening level of 34 μ g/kg in five surface samples (SHS-04-0.5, SHS-27-0.5, and step-out samples SHS-46-0.5, SHS-47-0.5, and SHS-48-0.5). Concentrations in these samples ranged from 58 μ g/kg to 230 μ g/kg.
- PAHs were detected in one of eight total soil samples analyzed for this parameter. PAHs included benzo (a) anthracene (380 μg/kg), benzo (b) fluoranthene (450 μg/kg), benzo (k) fluoranthene (99 μg/kg), benzo (g,h,i) perylene (150 μg/kg), benzo (a) pyrene (300 μg/kg), chrysene (420 μg/kg), fluoranthene (470 μg/kg), indeno (1,2,3-cd) pyrene (110 μg/kg), phenanthrene (39 μg/kg), and pyrene (440 μg/kg). Benzo (a) pyrene was detected above its residential screening level of 110 μg/kg in the sample.
- Long-chain petroleum hydrocarbons were detected in the six samples analyzed.
 Concentrations ranged from 16 to 71 mg/kg, which is below the screening level of 2,400 mg/kg.
- Metals concentrations were generally within typical background ranges for California soils and apparent background levels for the site. With the exception of one arsenic detection of 13 mg/kg in sample SSH-43-0.5, results were all below respective screening levels. All detections of metals were below potential hazardous waste thresholds.
- Additional sampling and/or analysis was completed around sample locations SSH-04 and SSH-03, where initial results for dieldrin approached or exceeded the screening level. Step-down samples were analyzed at SSH-04 and three additional step-out borings were installed in that area, effectively delineating the limits of soils impacted by concentrations above the screening level.
- Step-out samples were not collected and analyzed around SHS-27-0.5, which also had dieldrin above the screening level. Dieldrin was not detected in two step-down samples at this location. The extent of impacted soil at this location is fairly well constrained by non-detect results for adjoining samples and non-detect step-down results. Step-out



samples were not collected around SHS-14-0.5, which had benzo (a) pyrene above the screening level. Considering that benzo (a) pyrene or other PAHs were not detected in step-down samples, it is unlikely that impacted soil is extensive at this location.

- The single detection of arsenic just above the screening level does not warrant targeted soil removal. The 1.5-foot step-down sample contained arsenic at approximate site background concentration, and arsenic was not detected in adjoining samples.
- The 95 percent upper confidence level of the mean (95 UCL) was calculated for arsenic and dieldrin. The result for arsenic was 4.448 mg/kg, and represents the approximate background level for the Site. The result for dieldrin was 33.89 μg/kg which is essentially equivalent to the screening level of 34 μg/kg. The 95 UCL analysis for arsenic indicates that the single detection of arsenic above the screening level at SHS-43 is an isolated outlier. The 95 UCL analysis for dieldrin near the screening level of 34 μg/kg suggests that targeted removal of dieldrin at or above the screening level should be conducted.
- A human health screening evaluation was conducted, using the maximum COPC concentrations detected. COPCs included in the HHSE included non-native chemicals (OCPs, VOCs, TPH, and PAHs) and metals with detected concentrations that appeared to be above Site background levels. The calculated cumulative excess cancer risk is 1.04E-05 and the calculated cumulative hazard index is 0.846. Cumulative cancer risk of 1.04E-05 exceeds the generally accepted departure value of 1.0E-06 by approximately one order of magnitude. This value is predominantly comprised of the risk from dieldrin (6.76E-06) plus the one detection of benzo (a) pyrene (2.73E-06). Based on this evaluation, it is recommended that soils in areas impacted by these two COPCs be removed as described in Section 7.2. The cumulative hazard index of 0.846 is less than the typical departure value of 1.0. Therefore, soils with non-carcinogenic potential hazards do not merit removal at the Site.
- The SL for arsenic of 12 mg/kg is based on upper-bound background level for school sites in Southern California as determined by DTSC, and not on human health risk. Therefore, arsenic impacts are not addressed as part of the HHSE but managed on an occurrence-by-occurrence basis. At this Site, arsenic concentration above the SL was reported only in one sample (13 mg/kg in SHS-43-0.5). The 95 UCL for arsenic was calculated to be 4.448 mg/kg. This indicates the one SL exceedance is an outlier and soil removal is not warranted at that location.
- Soil impacted with dieldrin and benzo (a) pyrene should be removed as part of the proposed demolition and demolition project at the Site in three areas. Estimated total volume of soil recommended for removal is 148 cubic yards.
 - o Shallow soil should be removed in the area of SHS-03 and SHS-04 and step-out borings SHS-46 through -48 where dieldrin was detected near or above screening



level. The results of the sampling in this location suggest this approximate 35 by 70-foot area is impacted to a depth of approximate one foot bgs. The calculated volume of affected soil in this area is approximately 100 cubic yards.

- O Shallow soil should be removed at the location of SHS-14 where benzo (a) pyrene was detected above screening level. Although step-out sampling was not conducted at this location, given that step-down samples were non-detect the impacted area is likely to be limited to the immediate vicinity of this boring. The extent of impacted soil is estimated to be approximately a 15 by 15-foot area. Assuming a depth of one-foot bgs, the calculated volume would be approximately 8 cubic yards.
- O Shallow soil should be removed in the area of SHS-27 where dieldrin was detected above screening level. Although step-out sampling was not conducted at this location, extent is constrained by non-detect results for step-down samples and adjoining primary surface samples. Assuming a conservative area of impact as extending approximately halfway to SHS-26 and the width of the grass planter, area of impact is estimated to be approximately 30 by 35 feet. Assuming a depth of impact of one-foot bgs, the calculated volume of impacted soil is approximately 40 cubic yards.

10.2 Summary

A Phase I ESA identified RECs and other potential environmental impacts at the school which included past agricultural use, historical presence of possible residential structures, hydraulic lifts in automotive shop and localized staining, and potential UST. Potential environmental impacts in areas proposed for demolition and construction improvements at the Site were investigated by a soil sampling program. No significant subsurface impacts were identified other than two areas with dieldrin impacts and one location with benzo (a) pyrene impact above screening levels.

10.3 Recommendation

Based on the findings of this investigation, the following recommendation is proposed:

• Those areas identified with dieldrin or benzo (a) pyrene concentrations above screening levels should be remediated as part of the modernization project planned at the school. A Soil Management Plan should be prepared to describe procedures for remediating soil with elevated dieldrin and benzo (a) pyrene concentrations to below screening levels.



11.0 REFERENCES

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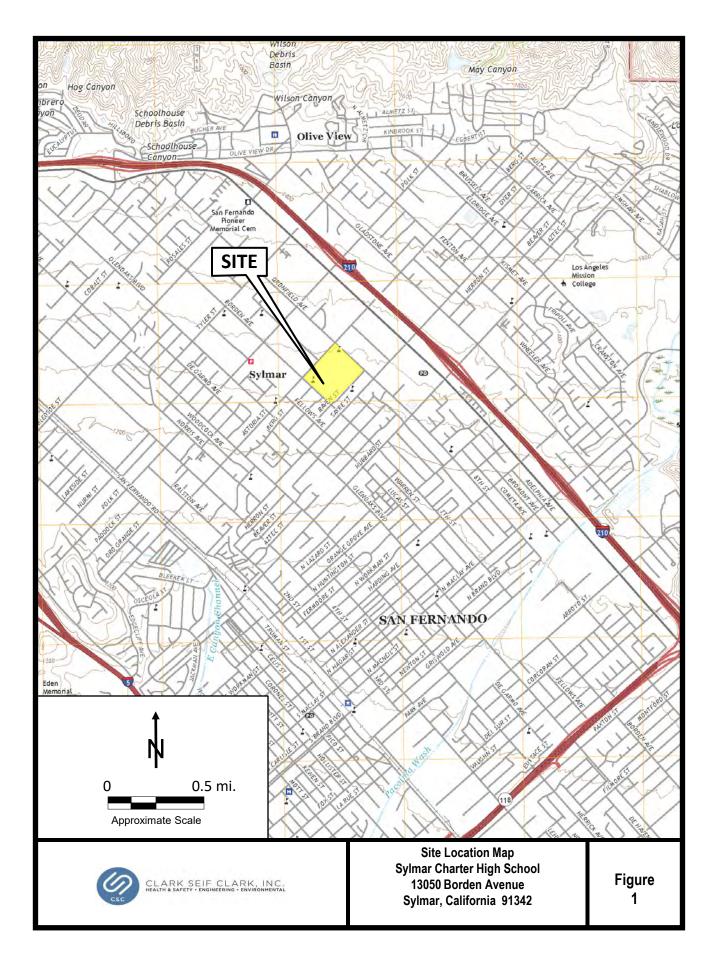
DTSC, Human Health Risk Assessment (HHRA) Note Number 3, DTSC-Modified Screening Levels (DTSC-SLs), June 2020, Revised May 2022.

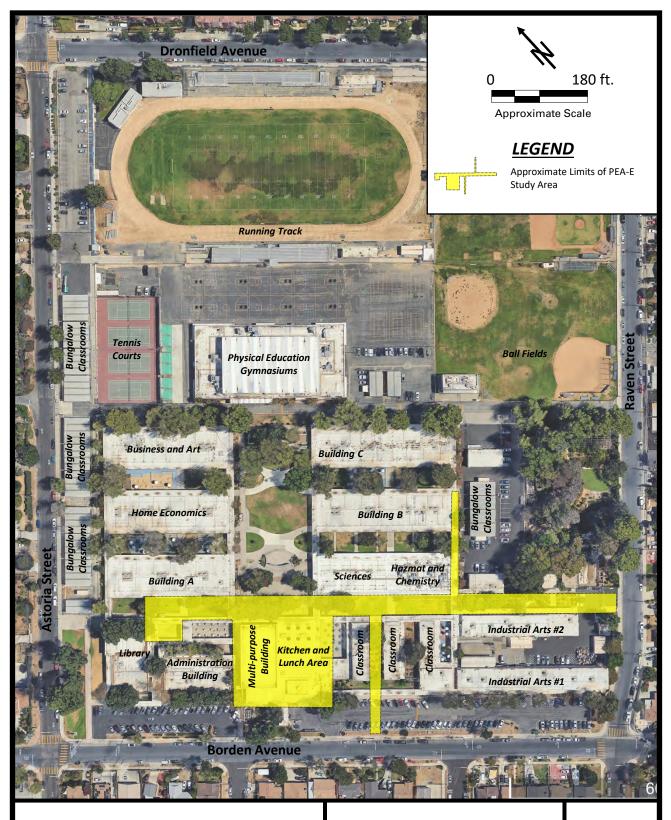
DTSC Preliminary Endangerment Assessment Guidance Manual, January 1994 (Revised 2015)

Geosyntec Consultants, Inc., Phase I Environmental Site Assessment, March 9, 2022.

Geosyntec Consultants, Inc., *Preliminary Environmental Assessment Equivalent Workplan*, March 2023.

FIGURES

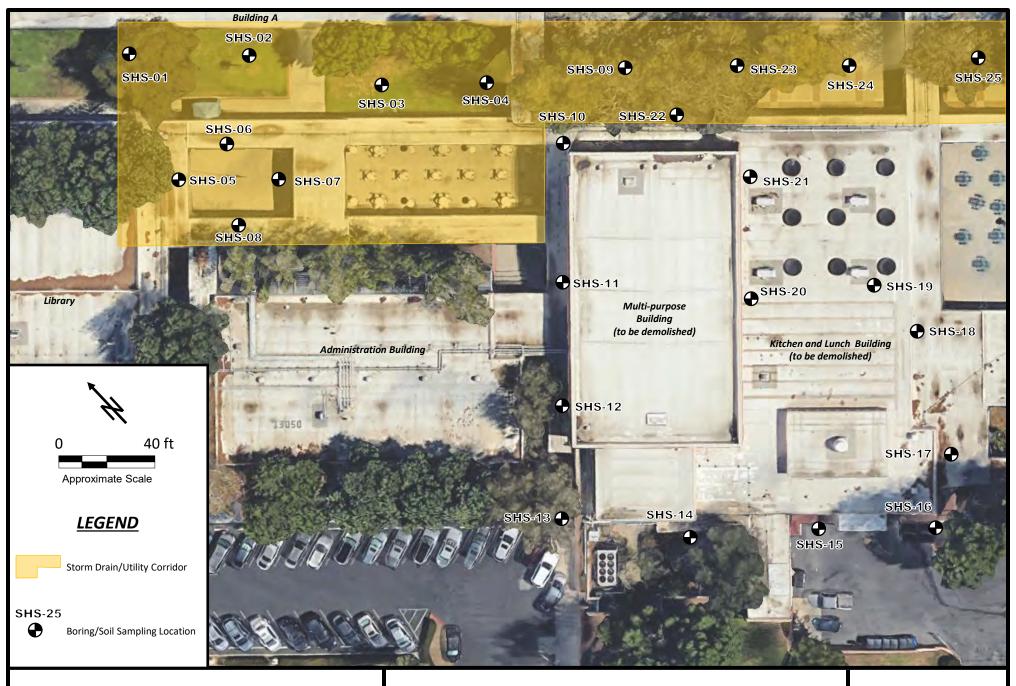






Site Map Sylmar Charter High School 13050 Borden Avenue Sylmar, California 91342

Figure 2





Soil Sampling Locations Sylmar Charter High School 13050 Borden Avenue Sylmar, California 91342

Figure 3A



CLARK SEIF CLARK, INC. HEALTH & SAFETY - ENGINEERING - ENVIRONMENTAL

Soil Sampling Locations Sylmar Charter High School 13050 Borden Avenue Sylmar, California 91342

Figure 3B

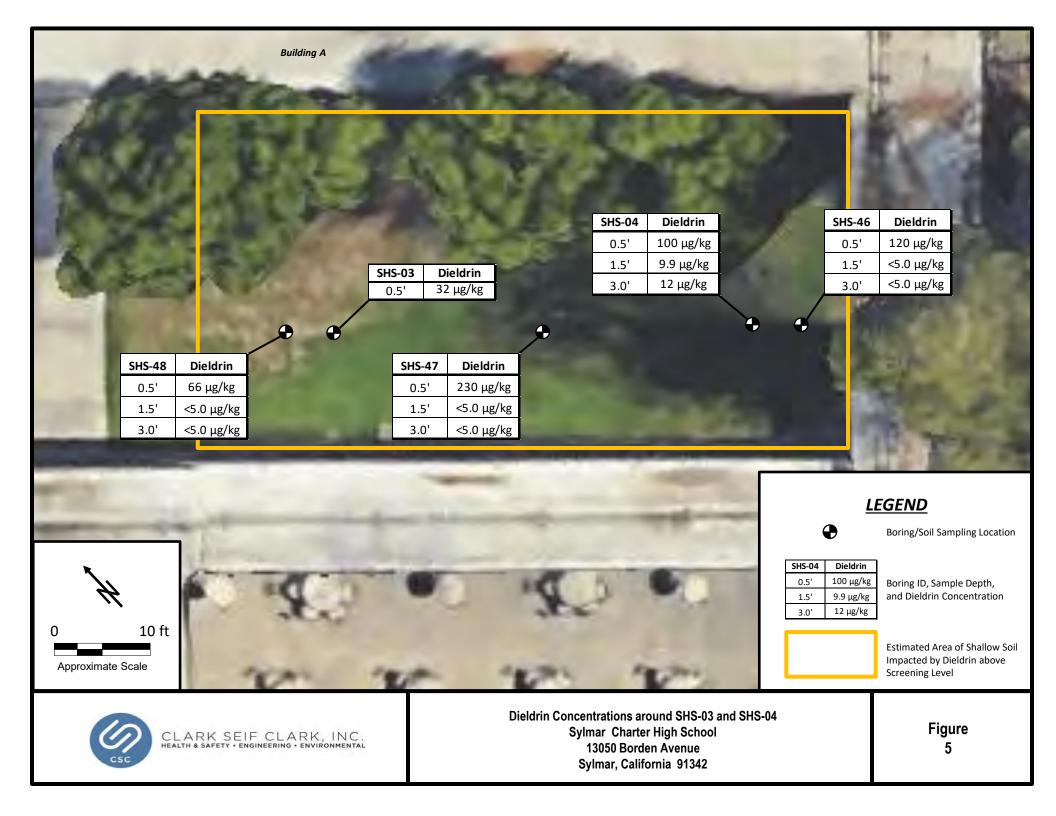


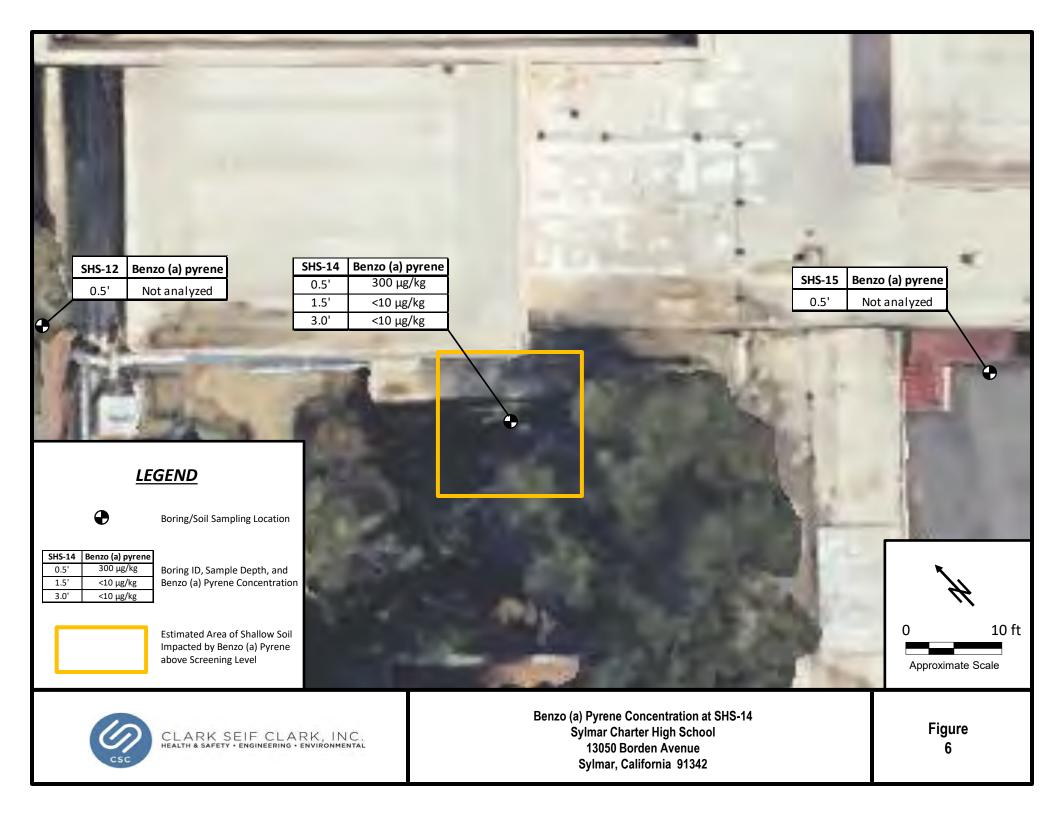


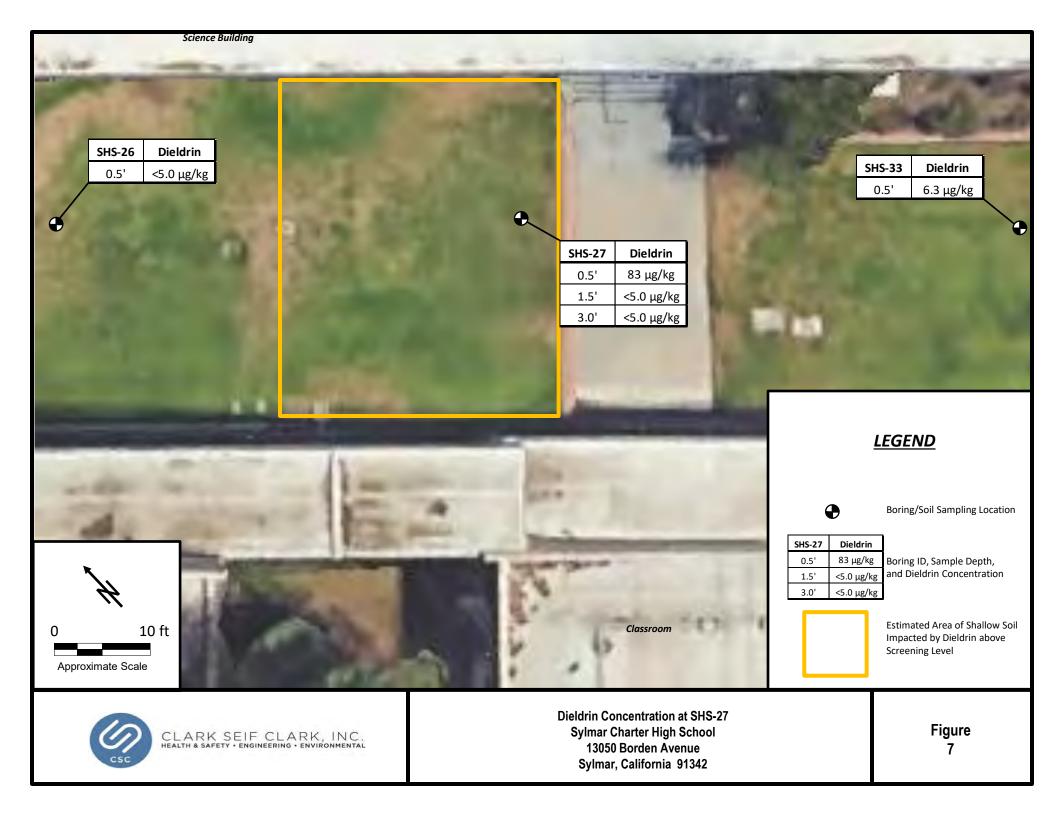
Soil Sampling Locations Sylmar Charter High School 13050 Borden Avenue Sylmar, California 91342

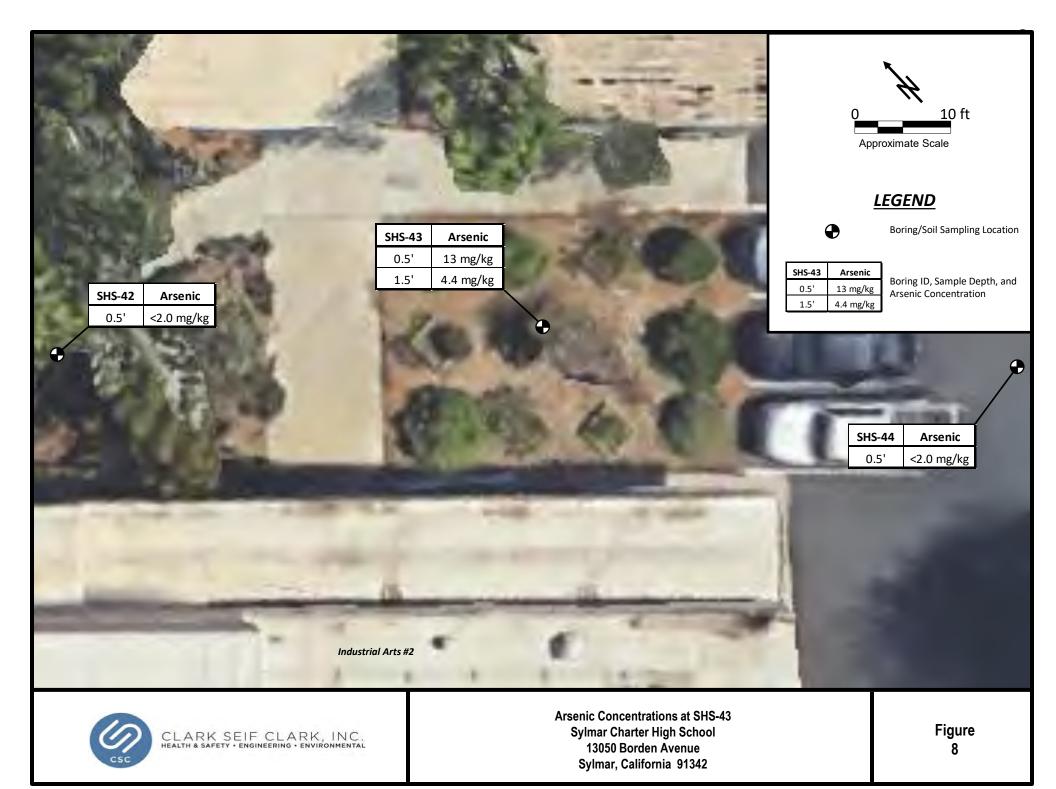
Figure 3C











TABLES

Table 1 Summary of Borings and Samples Analyzed Sylmar Charter High School 13050 Borden Street Sylmar, California

				Sylmar, Cali				
Boring Location	Sample Depth Analyzed	Sample Date	Analyses	Surface Type	Concrete or Asphalt Thickness (inches)	Base Thickness (inches)	Total Boring Depth (feet)	Soil Type
SHS-01	0.5	9/1/2023	OCPs, T22 Metals, VOCs, PAHs, TPH, Asbestos	Grass	0	0	3	Silty fine sand, trace clay, trace gravel, rootlets
SHS-01	0.5 D	9/1/2023	OCPs, T22 Metals, VOCs, PAHs, TPH, Asbestos	_	_		_	
SHS-02	0.5	9/25/2023	OCPs, T22 Metals	Grass	0	0	3	Silty fine sand and fine to medium sand, to trace gravel
SHS-03 SHS-04	0.5	9/25/2023 9/25/2023	OCPs, T22 Metals OCPs, T22 Metals	Grass	U	U	3	Silty fine sand, trace gravel
SHS-04	1.5	9/25/2023	OCPs OCPs	Grass	0	0	3	Silty fine sand, trace gravel
SHS-04	3.0	9/25/2023	OCPs					
SHS-05	0.5	9/25/2023	OCPs, T22 Metals	Concrete	5	0	3	Silty fine sand
SHS-06	0.5	9/25/2023	OCPs, T22 Metals	Concrete	4.5	0	3	Silty fine sand
SHS-07	0.5	9/25/2023	OCPs, T22 Metals	Concrete	6	0	3	Silty fine sand, trace gravel
SHS-08	0.5	9/25/2023	OCPs, T22 Metals	Concrete	4	0	3	Silty fine to medium sand, trace gravel, to very dense
SHS-09	0.5	9/1/2023	OCPs, T22 Metals	Concrete	7	3	3	Sand to silty fine sand, some gravel, trace debris upper 6 inches
SHS-09	0.5 D	9/1/2023	OCPs, T22 Metals				_	
SHS-10 SHS-11	0.5	9/1/2023 9/1/2023	OCPs, T22 Metals OCPs, T22 Metals	Concrete Concrete	6.5	0	3	Silty sand, trace to little gravel Silty sand, trace gravel
SHS-12	0.5	9/1/2023	OCPs, T22 Metals	Concrete	4	0	3	Silty sand, trace gravel
SHS-13	0.5	9/25/2023	OCPs, T22 Metals	Concrete	5	0	3	Sandy silt to silty sand, trace to little gravel, stiff to dense
SHS-14	0.5	9/25/2023	OCPs, T22 Metals, VOCs, PAHs, TPH, Asbestos					
SHS-14	1.5	9/25/2023	PAHs	Concrete	4	0	3	Silty sand to sandy silt, trace to little gravel, dense to stiff, roots
SHS-14	3.0	9/25/2023	PAHs					
SHS-15	0.5	9/25/2023	OCPs, T22 Metals	Asphalt	4	0	3	Silty sand, trace gravel
SHS-16	0.5	9/25/2023	OCPs, T22 Metals	Asphalt	4	1	3	Silty sand, trace gravel
SHS-17	0.5	9/1/2023	OCPs, T22 Metals	Concrete	4	0	3	Silty sand, trace gravel
SHS-17	0.5 D	9/1/2023	OCPs, T22 Metals		_		_	
SHS-18 SHS-19	0.5	9/1/2023 9/1/2023	OCPs, T22 Metals OCPs, T22 Metals	Concrete	5	0	3 1.5	Silty sand, trace gravel, dense
SHS-20	0.5	9/1/2023	OCPs, T22 Metals	Concrete	5	0	3	Silty sand, some gravel, refusal Sand, some gravel, dense
SHS-21	0.5	9/1/2023	OCPs, T22 Metals	Concrete	5	0	1.5	Sand, some gravel, very dense, refusal
SHS-22	0.5	9/1/2023	OCPs, T22 Metals	Concrete	6	0	3	Silty sand, little gravel
SHS-23	0.5	9/1/2023	OCPs, T22 Metals	Concrete	7	0	3	Sand, some gravel
SHS-24	0.5	9/1/2023	OCPs, T22 Metals	Concrete	10	0	3	Silty sand, little to some gravel, decreasing downward
SHS-25	0.5	9/1/2023	OCPs, T22 Metals	Concrete	6	0	2.5	Silty sand, some gravel, roots, refusal
SHS-26	0.5	11/10/2023	OCPs, T22 Metals	Grass	0	0	3	Silty fine sand, trace gravel, rootlets
SHS-27	0.5 1.5	11/10/2023	OCPs, T22 Metals OCPs, T22 Metals	Grass	0	0	3	Silty fine sand, trace to little gravel, rootlets
SHS-27 SHS-27	3.0	11/10/2023	OCPs, T22 Metals OCPs, T22 Metals					, , , , , , , , , , , , , , , , , , , ,
SHS-28	0.5	11/10/2023	OCPs, 122 Wetals	Bare Ground	0	0	3	Silty fine to medium sand, trace gravel
SHS-29	0.5	11/10/2023	OCPs, T22 Metals	Bare Ground	0	0	3	Silty fine sand, trace gravel
SHS-30	0.5	9/25/2023	OCPs, T22 Metals	Grass	0	0	3	Silty fine sand, trace to little gravel
SHS-30	0.5 D	9/25/2023	OCPs, T22 Metals	0.112	_	-	_	
SHS-31	0.5	9/25/2023	OCPs, T22 Metals	Asphalt	3	4	1.6	Silty fine to medium sand, trace gravel, dense to very dense
SHS-32	0.5	9/25/2023	OCPs, T22 Metals	Bare Ground	0	0	3	Silty fine to medium sand, trace gravel, roots, dense
SHS-33	0.5	9/1/2023	OCPs, T22 Metals, VOCs, PAHs, TPH, Asbestos	Grass	0	0	3	Silty sand, to little clay, trace gravel, rootlets
SHS-34	0.5	9/1/2023	OCPs, T22 Metals	Grass	0	0	3	Silty sand, to little clay, trace gravel, rootlets
SHS-35 SHS-36	0.5	9/1/2023 9/1/2023	OCPs, T22 Metals OCPs, T22 Metals	Concrete	4.5	0	3	Sand to silty sand, some gravel Silty sand, some gravel
SHS-36 SHS-37	0.5	9/1/2023	OCPs, T22 Metals OCPs, T22 Metals	Concrete	4.5	0	3	Silty sand, some gravel Silty sand, trace gravel
SHS-38	0.5	9/1/2023	OCPs, T22 Metals, VOCs, PAHs, TPH, Asbestos	Concrete	6	4	3	Silty sand, to some gravel, trace clay
SHS-39	0.5	9/25/2023	OCPs, T22 Metals	Bare Ground	0	0	3	Silty sand, trace gravel, trace clay
SHS-40	0.5	9/25/2023	OCPs, T22 Metals	Bare Ground	0	0	3	Silty sand, trace gravel
SHS-41	0.5	9/25/2023	OCPs, T22 Metals	Bare Ground	0	0	3	Silty sand, to trace gravel
SHS-42	0.5	9/25/2023	OCPs, T22 Metals	Bare Ground	0	0	3	Silty sand, trace gravel
SHS-43	0.5	9/25/2023	OCPs, T22 Metals	Bare Ground	0	0	3	Silty fine to medium sand, trace gravel
SHS-43	1.5	9/25/2023	Arsenic	Applieds (2.1)	-	_	_	City and to the little and
SHS-44	0.5	9/25/2023	OCPs, T22 Metals, VOCs, PAHs, TPH, Asbestos	Asphalt (2 layers)	5	0	3	Silty sand, trace to little gravel
SHS-45 SHS-46	0.5	9/25/2023	OCPs, T22 Metals OCPs	Asphalt		U	3	Silty sand, trace gravel
SHS-46	1.5	11/10/2023	OCPs	Grass	0	0	3	Silty fine to medium sand, grading to sandy silt, trace gravel
SHS-46	3.0	11/10/2023	OCPs					
SHS-47	0.5	11/10/2023	OCPs					
SHS-47	1.5	11/10/2023	OCPs	Grass	0	0	3	Silty fine sand, trace gravel, rootlets
SHS-47	3.0	11/10/2023	OCPs					
SHS-48	0.5	11/10/2023	OCPs	Grass	0	0 3 Silty fine sand, trace gravel, rootlets		Silty fine sand, trace gravel, rootlets
SHS-48	1.5	11/10/2023	OCPs	G-833		"	,	and and graves roomes
SHS-48	3.0	11/10/2023	OCPs	l	l	L	1	

Notes:
OCPs - Organochlorine pesticides
T22 Metals - California Code of Regulations Title 22 list metals
VOCs - Volatile organic compounds
PAHs + Polvycia carmatic hydrocarbons
TPH = Total petroleum hydrocarbons
D = Field duplicate sample

Table 2 **Shallow Soil Sampling Results - Metals** Sylmar Charter High School 13050 Borden Street Sylmar, California Concentrations in mg/kg

					,		,								,				,	
Sample ID	Date Sampled	Antimony	Silver	Arsenic by 6010B	Arsenic by 6020	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	read	Mercury	Molybdenum	Nickel	Selenium	Thallium by 6010B	Thallium by 6020	Vanadium	Zinc
SHS-01-0.5	9/1/2023	<4.0	<2.0	7.7	8.1	160	<1.0	<2.0	16	12	24	16	< 0.10	<5.0	15	<5.0	<5.0	<0.25	48	82
SHS-01-0.5D	9/1/2023	<4.0	<2.0	5.7	9.7	120	<1.0	<2.0	12	8.9	16	10	0.12	<5.0	11	<5.0	<5.0	<0.25	36	55
SHS-02-0.5	9/25/2023	<4.0	<2.0	5.1		150	<1.0	<2.0	22	11	30	29	< 0.10	<5.0	16	<5.0	<5.0		44	120
SHS-03-0.5	9/25/2023	<4.0	<2.0	<2.0		140	<1.0	<2.0	15	11	27	27	< 0.10	<5.0	15	<5.0	<5.0		44	99
SHS-04-0.5	9/25/2023	<4.0	<2.0	<2.0		110	<1.0	<2.0	13	9.1	22	29	< 0.10	<5.0	13	<5.0	<5.0		36	90
SHS-05-0.5	9/25/2023	<4.0	<2.0	<2.0		180	<1.0	<2.0	15	13	19	3.5	< 0.10	<5.0	17	<5.0	<5.0		53	59
SHS-06-0.5	9/25/2023	<4.0	<2.0	<2.0		180	<1.0	<2.0	15	13	18	4.3	< 0.10	<5.0	18	<5.0	<5.0		52	60
SHS-07-0.5	9/25/2023	<4.0	<2.0	<2.0		180	<1.0	<2.0	15	13	18	<3.0	< 0.10	<5.0	16	<5.0	<5.0		52	55
SHS-08-0.5	9/25/2023	<4.0	<2.0	<2.0		160	<1.0	<2.0	15	13	18	4.2	<0.10	<5.0	14	<5.0	<5.0		50	57
SHS-09-0.5	9/1/2023	<4.0	<2.0	<2.0	0.56	120	<1.0	<2.0	11	11	12	<3.0	<0.10	<5.0	13	<5.0	<5.0	<0.25	41	36
SHS-09-0.5D	9/1/2023	<4.0	<2.0	<2.0	0.81	82	<1.0	<2.0	7.1	7.7	9.8	<3.0	<0.10	<5.0	11	<5.0	<5.0	<0.25	29	24
SHS-10-0.5	9/1/2023	<4.0	<2.0	<2.0	1.0	120	<1.0	<2.0	10	10	12	6.0	<0.10	<5.0	12	<5.0	<5.0	<0.25	42	40
SHS-11-0.5	9/1/2023	<4.0	<2.0	<2.0	1.3	120	<1.0	<2.0	11	10	13	3.9	<0.10	<5.0	11	<5.0	<5.0	<0.25	38	42
SHS-12-0.5	9/1/2023	<4.0	<2.0	<2.0	2.9	160	<1.0	<2.0	12	11	15	<3.0	<0.10	<5.0	11	<5.0	<5.0	<0.25	46	49
SHS-13-0.5	9/25/2023	<4.0	<2.0	<2.0		190	<1.0	<2.0	15	13	21	5.3	<0.10	<5.0	14	<5.0	<5.0		52	66
SHS-14-0.5	9/25/2023	<4.0	<2.0	<2.0		150	<1.0	<2.0	14	12	17	4.0	<0.10	<5.0	14	<5.0	<5.0		47	53
SHS-15-0.5	9/25/2023	<4.0	<2.0	<2.0		140	<1.0	<2.0	14	11	23	7.7	<0.10	<5.0	13	<5.0	<5.0		43	55
SHS-16-0.5	9/25/2023	<4.0	<2.0	<2.0		160	<1.0	<2.0	17	14	27	10	<0.10	<5.0	15	<5.0	<5.0		52	69
SHS-17-0.5	9/1/2023	<4.0	<2.0	<2.0	2.3	150	<1.0	<2.0	12	11	14	<3.0	<0.10	<5.0	15	<5.0	<5.0	<0.25	42	43
SHS-17-0.5D	9/1/2023	<4.0	<2.0	<2.0	2.3	190	<1.0	<2.0	15	13	18	<3.0	<0.10	<5.0	17	<5.0	<5.0	<0.25	53	55
SHS-18-0.5	9/1/2023	<4.0	<2.0	<2.0	4.3	240	<1.0	<2.0	14	14	18	<3.0	<0.10	<5.0	11	<5.0	<5.0	<0.25	56	59
SHS-19-0.5	9/1/2023	<4.0	<2.0	<2.0	2.4	150	<1.0	<2.0	11	10	13	<3.0	<0.10	<5.0	9.8	<5.0	<5.0	<0.25	40	41
SHS-20-0.5	9/1/2023	<4.0	<2.0	<2.0	3.4	230	<1.0	<2.0	16	14	20	4.5	<0.10	<5.0	13	<5.0	<5.0	<0.25	58	62
SHS-21-0.5	9/1/2023	<4.0	<2.0	<2.0	2.0	160	<1.0	<2.0	12	11	15	<3.0	<0.10	<5.0	12	<5.0	<5.0	<0.25	44	45
SHS-22-0.5	9/1/2023	<4.0	<2.0	<2.0	1.3	140	<1.0	<2.0	13	11	14	<3.0	<0.10	<5.0	18	<5.0	<5.0	<0.25	47	43
SHS-23-0.5	9/1/2023	<4.0	<2.0	<2.0	1.0	100	<1.0	<2.0	9.1	9.0	10	<3.0	<0.10	<5.0	11	<5.0	<5.0	<0.25	38	32
SHS-24-0.5	9/1/2023	<4.0 <4.0	<2.0	<2.0	2.1	130 150	<1.0 <1.0	<2.0 <2.0	12 13	10 11	14 17	3.9 6.3	<0.10	<5.0 <5.0	14 17	<5.0 <5.0	<5.0 <5.0	<0.25 <0.25	42 49	44 53
SHS-25-0.5	9/1/2023	<4.0	<2.0	6.0	2.8	68	<1.0	<2.0	8.7	5.2	16	13	<0.10	<5.0	11	<5.0	<5.0	<0.25	25	91
SHS-26-0.5	11/10/2023	<4.0	<2.0	2.5		74	<1.0	<2.0	7.8	5.6	16	11	<0.10	<5.0	9.5	<5.0	<5.0		23	53
SHS-27-0.5	11/10/2023	<4.0	<2.0	<2.0		78	<1.0	<2.0	8.4	6.3	16	12	<0.10	<5.0	8.6	<5.0	<5.0		25	46
SHS-28-0.5 SHS-29-0.5	11/10/2023 11/10/2023	<4.0	<2.0	2.3		120	<1.0	<2.0	12	9.3	19	12	<0.10	<5.0	14	<5.0	<5.0		39	61
		<4.0	<2.0	6.3		130	<1.0	<2.0	12	9.7	21	15	<0.10	<5.0	14	<5.0	<5.0		39	79
SHS-30-0.5	9/25/2023	<4.0	<2.0	7.2		140	<1.0	<2.0	13	11	22	10	<0.10	<5.0	16	<5.0	<5.0		44	71
SHS-30-0.5D SHS-31-0.5	9/25/2023 9/25/2023	<4.0	<2.0	<2.0		110	<1.0	<2.0	10	8.1	15	5.3	<0.10	<5.0	11	<5.0	<5.0		35	42
SHS-32-0.5	9/25/2023	<4.0	<2.0	6.8		150	<1.0	<2.0	13	11	20	6.2	<0.10	<5.0	15	<5.0	<5.0		45	54
SHS-32-0.5	9/1/2023	<4.0	<2.0	6.3	7.1	100	<1.0	<2.0	11	7.7	19	11	<0.10	<5.0	15	<5.0	<5.0	<0.25	34	56
SHS-34-0.5	9/1/2023	<4.0	<2.0	<2.0	2.2	98	<1.0	<2.0	9.7	7.4	18	8.1	<0.10	<5.0	13	<5.0	<5.0	<0.25	32	47
SHS-35-0.5	9/1/2023	<4.0	<2.0	<2.0	2.0	150	<1.0	<2.0	13	12	16	3.7	<0.10	<5.0	14	<5.0	<5.0	<0.25	46	48
SHS-36-0.5	9/1/2023	<4.0	<2.0	<2.0	2.9	140	<1.0	<2.0	12	10	15	<3.0	<0.10	<5.0	11	<5.0	<5.0	<0.25	43	45
SHS-37-0.5	9/1/2023	<4.0	<2.0	<2.0	3.1	140	<1.0	<2.0	12	10	13	<3.0	<0.10	<5.0	12	<5.0	<5.0	<0.25	41	44
SHS-38-0.5	9/1/2023	<4.0	<2.0	<2.0	2.3	130	<1.0	<2.0	12	9.6	13	<3.0	< 0.10	<5.0	12	<5.0	<5.0	<0.25	38	39
SHS-39-0.5	9/25/2023	<4.0	<2.0	<2.0		180	<1.0	<2.0	16	13	22	24	<0.10	<5.0	17	<5.0	<5.0		53	66
SHS-40-0.5	9/25/2023	<4.0	<2.0	2.1		110	<1.0	<2.0	12	8.7	25	18	<0.10	<5.0	12	<5.0	<5.0		34	110
SHS-41-0.5	9/25/2023	<4.0	<2.0	<2.0		75	<1.0	<2.0	7.9	5.9	18	14	<0.10	<5.0	7.5	<5.0	<5.0		23	74
SHS-42-0.5	9/25/2023	<4.0	<2.0	<2.0		140	<1.0	<2.0	14	10	24	16	0.16	<5.0	13	<5.0	<5.0		39	91
SHS-43-0.5	9/25/2023	<4.0	<2.0	13		140	<1.0	<2.0	14	10	34	29	0.13	<5.0	13	<5.0	<5.0		40	150
SHS-43-1.5	9/25/2023				4.4															
SHS-44-0.5	9/25/2023	<4.0	<2.0	<2.0		180	<1.0	<2.0	15	13	21	4.7	0.18	<5.0	14	<5.0	<5.0		52	62
SHS-45-0.5	9/25/2023	<4.0 NA	<2.0	<2.0		170	<1.0	<2.0	16	13	26	10	<0.10	<5.0	15	<5.0	<5.0		51	75
	ERO Note 3 SL / USEPA RSL - Residential CR		NA NA	12 (a)	12 (a)	NA	1,600 (c)	910 (c)	NA	NA	NA	NA	NA	NA	15,000	NA	NA	NA	NA	NA
· ·	RO Note 3 SL / USEPA RSL - Commercial CR			12 (a)	12 (a)	NA 45 agg (P	6,900 (c)	4,000 (c)	NA 100 000 (I)	NA	NA	NA .	NA	NA	54,000	NA	NA	NA na na	NA	NA
	idential NCH	31 (d)	390 (d)	NA	NA NA	15,000 (d)	16 (c)	7.1 (c)	120,000 (d)	23 (d)	3,100 (d)	80 (c)	1 (c)	390 (d)	820	390 (d)	0.78 (d)	0.78 (d)	390 (d)	23,000 (d)
HERO Note 3 SL / USEPA RSL - Cor		470 (d)	5,800 (d)	NA 50	NA 50	22,000 (d)	230 (c)	79 (c)	1,800,000 (d)	350 (d)	47,000 (d)	500 (c)	4.4 (c)	5,800 (d)	11,000	5,800 (d)	12 (d)	12 (d)	5,800 (d)	35,000 (d)
Potential California Hazardous Wa		150	50 100	50 100	100	1,000	7.5	10 20	50 100	800 NA	250	50 100	4	3,500	200	10 20	70	70	240	2,500
Potential Federal TCLP Hazardous	waste Level (b)	NA	100	100	100	2,000	NA	20	100	NA	NA	100	4	NA	NA	20	NA	NA	NA	NA

< = Not detected at method detection limit shown

mg/kg = milligrams per kilogram
mg/kg = milligrams per kilogram
mg/k = milligrams per kilogram
kilogram kilograms per kilogram

USEPA RSL = United States Environmental Protection Agency, Region 9, Regional Screening Level

CR = Based on excess cancer risk of 1 x 10 ⁶ NCH = Based on noncancer hazard index of 1.0 (a) = Upper-bound background concentration, Southern California.

(b) = California TTLC or minimum theoretical soil concentrations to exceed threshold value in leachate

(c) = SL from DTSC HHRA (d) = SL from USEPA RSLs

--- = Not analyzed

Gray highlighted result exceeds DTSC or USEPA residential screening level
Yellow highlighted result exceeds DTSC or USEPA commercial/industrial screening level

NA = Not applicable or no level established

Table 3 Soil Sampling Results - Detected Organic Analytes Sylmar Charter High School 13050 Borden Street Sylmar, California Concentrations in µg/kg except forTPH in mg/kg

			-						except for the					1			
Analysis		0	CPs	-					PAHs						VOCs		TPH
Sample ID	Sample Date	4,4'-D DE	Dieldrin	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthen e	Benzo (g.h.i) perylene	Benzo (a) pyrene	Chrysene	Ruoranthene	Inden o (1,2,3-cd) pyren e	Phenanthrene	Pyrene	Acetone	p-kopro pyltolue ne	Toluene	Motor Oil Carbon Range
SHS-01-0.5	9/1/2023	6.8	9.1	<5.0	<10	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<10	34	<1.9	<1.9	47
SHS-01-0.5D	9/1/2023	<5.0	8.8	<5.0	<10	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<10	38	<2.2	<2.2	52
SHS-02-0.5	9/25/2023	<5.0	11														
SHS-03-0.5	9/25/2023	<5.0	32														
SHS-04-0.5	9/25/2023	<5.0	100														
SHS-04-1.5	9/25/2023	<5.0	9.9														
SHS-04-3.0	9/25/2023	<5.0	12														
SHS-04-1.5	9/25/2023	<5.0	<5.0														
SHS-04-3.0	9/25/2023	<5.0	<5.0														
SHS-05-0.5	9/25/2023	<5.0	<5.0											*****			
SHS-06-0.5	9/25/2023	<5.0	<5.0											*****			
SHS-07-0.5	9/25/2023	<5.0	<5.0														
SHS-08-0.5	9/25/2023	<5.0	<5.0														
SHS-09-0.5	9/1/2023	<5.0	<5.0														
SHS-09-0.5D	9/1/2023	<5.0	<5.0														
SHS-10-0.5	9/1/2023	<5.0	<5.0														
SHS-11-0.5	9/1/2023	<5.0	<5.0														
SHS-12-0.5	9/1/2023	<5.0	<5.0														
SHS-13-0.5	9/25/2023	14	<5.0														
SHS-14-0.5	9/25/2023	<5.0	<5.0	380	450	99	150	300	420 <5.0	470	110	39	440	35	6.4	2.7	71
SHS-14-1.5 SHS-14-3.0	9/25/2023 9/25/2023			<5.0 <5.0	<10	<10 <10	<5.0 <5.0	<10	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<10 <10				
SHS-15-0.5	9/25/2023	<50	<50	45.0	<10	<10	<5.0	<10	<5.0	<5.0	<5.0	₹5.0	<10				
SHS-16-0.5	9/25/2023	<50	<50														
SHS-17-0.5	9/1/2023	<5.0	<5.0														
SHS-17-0.5D	9/1/2023	<5.0	<5.0														
SHS-18-0.5	9/1/2023	<5.0	<5.0														
SHS-19-0.5	9/1/2023	<5.0	<5.0														
SHS-20-0.5	9/1/2023	<5.0	<5.0														
SHS-21-0.5	9/1/2023	<5.0	<5.0														
SHS-22-0.5	9/1/2023	<5.0	<5.0														
SHS-23-0.5	9/1/2023	<5.0	<5.0														
SHS-24-0.5	9/1/2023	<5.0	<5.0														
SHS-25-0.5	9/1/2023	<5.0	<5.0														
SHS-26-0.5	11/10/2023	<5.0	<5.0														
SHS-27-0.5	11/10/2023	<5.0	83														
SHS-27-1.5	11/10/2023	<5.0	<5.0														
SHS-27-3.0	11/10/2023	<5.0	<5.0														
SHS-28-0.5	11/10/2023	<5.0	<5.0														
SHS-29-0.5	11/10/2023	<5.0	<5.0														
SHS-30-0.5	9/25/2023	<5.0	<5.0														
SHS-30-0.5D	9/25/2023	<5.0	<5.0														
SHS-31-0.5	9/25/2023	<50	<50														
SHS-32-0.5	9/25/2023	<5.0	22														
SHS-33-0.5	9/1/2023	<5.0	6.3	<5.0	<10	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<10	37	<2.5	<2.5	34
SHS-34-0.5	9/1/2023	<5.0	24											*****			
SHS-35-0.5 SHS-36-0.5	9/1/2023	<5.0 <5.0	<5.0 <5.0														
SHS-36-0.5 SHS-37-0.5	9/1/2023 9/1/2023	<5.0 <5.0	<5.0 <5.0								_						
SHS-38-0.5	9/1/2023	<5.0	<5.0	<5.0	<10	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<10	18	<2.3	<2.3	16
SHS-39-0.5	9/1/2023	<5.0	<5.0	-3.0	-10	-10	-3.0	-10	-3.0	-3.0					-2.3	-2.3	
SHS-40-0.5	9/25/2023	<5.0	<5.0														
SHS-41-0.5	9/25/2023	<5.0	<5.0						*****								
SHS-42-0.5	9/25/2023	<5.0	<5.0														
SHS-43-0.5	9/25/2023	<5.0	<5.0	<u> </u>													L
SHS-44-0.5	9/25/2023	<5.0	<5.0	<5.0	<10	<10	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<10	21	<2.0	<2.0	47
SHS-45-0.5	9/25/2023	<5.0	<5.0														
SHS-46-0.5	11/10/2023	<5.0	120														
SHS-46-1.5	11/10/2023	<5.0	<5.0											*****			
SHS-46-3.0	11/10/2023	<5.0	<5.0														
SHS-47-0.5	11/10/2023	53	230														
SHS-47-1.5	11/10/2023	<5.0	<5.0														
SHS-47-3.0	11/10/2023	<5.0	<5.0														
SHS-48-0.5	11/10/2023	<5.0	66														
	11/10/2023	<5.0	<5.0														
SHS-48-1.5	11/10/2023	<5.0	<5.0														
SHS-48-3.0			34 (b)	1,100 (b)	1,100 (b)	11,000 (b)	NA	110 (b)	110,000 (b)	NA	1,100 (b)	NA	NA	NA	NA	NA	
SHS-48-3.0 HERO Note 3 SL / USEPA RSL - Resident	tial CR	2,000 (b)															
SHS-48-3.0 HERO Note 3 SL / USEPA RSL - Resident HERO Note 3 SL / USEPA RSL - Comme	tial CR rcial CR	9,300 (b)	93 (b)	12,000 (b)	13,000 (b)	130,000 (b)	NA	1,300 (b)	1,300,000 (b)	NA	13,000 (b)	NA	NA	NA	NA	NA	
SHS-48-3.0 HERO Note 3 SL / USEPA RSL - Resident HERO Note 3 SL / USEPA RSL - Comment HERO Note 3 SL / USEPA RSL - Resident	tial CR rcial CR tial NCH	9,300 (b) 23,000 (b)	93 (b) 3,200 (b)	12,000 (b) NA	NA	NA	NA	18,000 (b)	NA	2,400,000 (b)	NA	NA	1,800,000 (b)	70,000,000 (c)	NA	1,100,000 (b)	2,400 (b)
SHS-48-3.0 HERO Note 3 SL / USEPA RSL - Resident HERO Note 3 SL / USEPA RSL - Commer HERO Note 3 SL / USEPA RSL - Resident HERO Note 3 SL / USEPA RSL - Resident	tial CR rcial CR tial NCH rcial NCH	9,300 (b) 23,000 (b) 340,000 (b)	93 (b) 3,200 (b) 26,000 (b)	12,000 (b) NA NA	NA NA	NA NA	NA NA	18,000 (b) 130,000 (b)	NA NA	2,400,000 (b) 18,000,000 (b)	NA NA	NA NA	1,800,000 (b) 13,000,000 (b)	70,000,000 (c) 1,100,000,000 (c)	NA NA	1,100,000 (b) 5,300,000 (b)	2,400 (b) 18,000 (b)
SHS-48-3.0 HERO Note 3 SL / USEPA RSL - Resident HERO Note 3 SL / USEPA RSL - Comment HERO Note 3 SL / USEPA RSL - Resident	tial CR rcial CR tial NCH rcial NCH .evel (a)	9,300 (b) 23,000 (b)	93 (b) 3,200 (b)	12,000 (b) NA	NA	NA	NA	18,000 (b)	NA	2,400,000 (b)	NA	NA	1,800,000 (b)	70,000,000 (c)	NA	1,100,000 (b)	2,400 (b)

Notes:

OCPs o Orannochlorine pesticides

PARIs = Pokycule Aromatic Hydrocarbons

VOCs = Volatile organic compounds

TPI = Troat pericusum hydrocarbons

< = Not detected at method detection limit shown

ua/N₄ = micrograms per kilogram

— = Not analyzed

HERO Note 3 S.1 = California Department of Touic Substances Control (IDTSC), Human and Ecological Risk Office Note 3 Screening Level

USEPA RSL = United States Environmental Protection Agency, Region 9, Regional Screening Level

USEPA RSL = Language Screening Level

USEPA RSL = Language Screening Level

USEPA RSL = Language Screening Level

USEPA RSL = United States Environmental Protection Agency, Region 9, Regional Screening Level

OR = Based on exercises cancer risk of 1.10 ° NCH = Based on exercises cancer risk

Table 4 Human Health Screening Evaluation Sylmar Charter High School 13050 Borden Street Sylmar, California

Constituent of Concern	Maximum Concentration	Sample Location	Depth (ft bgs)	Excess Cancer Screening Level (mg/kg)	Non-Cancer Screening level (mg/kg)	Calculated Cancer Risk	Calculated Hazard Index
Arsenic	13	SHS-43	0.5	Use U	Ipper-Bound Back	ground Level of 1	2 mg/kg
Barium	240	SHS-18	0.5		15,000		0.0160
Chromium	22	SHS-02	0.5		120,000		0.0002
Copper	34	SHS-43	0.5		3,100		0.0110
Lead	29	SHS-04	0.5		80		0.3625
Mercury	0.18	SHS-44	0.5		1		0.1800
Vanadium	58	SHS-20	0.5		390		0.1487
Zinc	150	SHS-43	0.5		23,000		0.0065
4,4-DDE	0.053	SHS-47	0.5	2	23	2.65E-08	0.0023
Dieldrin	0.23	SHS-47	0.5	0.034	3.2	6.76E-06	0.0719
Benzo (a) anthracene	0.38	SHS-14	0.5	1.1		3.45E-07	
Benzo (b) fluoranthene	0.45	SHS-14	0.5	1.1		4.09E-07	
Benzo (k) fluoranthene	0.099	SHS-14	0.5	11		9.00E-09	
Benzo (a) pyrene	0.3	SHS-14	0.5	0.11	18	2.73E-06	0.0167
Chrysene	0.42	SHS-14	0.5	110		3.82E-09	
Fluoranthene	0.47	SHS-14	0.5		2,400		0.0002
Indeno (1,2,3-cd) pyrene	0.11	SHS-14	0.5	1.1		1.00E-07	
Pyrene	0.44	SHS-14	0.5		1,800		0.0002
Toluene	0.0027	SHS-14	0.5		1,100		0.0000
TPH-mo	71	SHS-14	0.5		2,400		0.0296
Totals						1.04E-05	0.846

Notes:

95 UCL for arsenic in all samples = 4.448 mg/kg

95 UCL for dieldrin in all samples = 33.89 $\mu g/kg$

95 UCL for benzo (a) pyrene could not be calculated due to too few data points

TPH-mo = Total petroleum hydrocarbons, motor oil range

APPENDIX A REVISED WORKPLAN FIGURES AND TABLE



July 5, 2023

Mr. Andrew Modugno, P.G. Environmental Assessment Coordinator Los Angeles Unified School District Office of Environmental Health 333 South Beaudry Avenue Los Angeles, CA 90017

Subject: Revised Work Plan Figures and Table

Preliminary Environmental Assessment-Equivalent

Sylmar Charter High School

13050 Borden Avenue Sylmar, California 91342

Dear Mr. Modugno:

Attached please find the updated Work Plan figures and table for the Preliminary Environmental Assessment-Equivalent (PEA-E) investigation being conducted by Clark Seif Clark, Inc.

Figures included new location map, map of entire campus, and sample location maps (prepared at a scale of 1 inch equals 40 feet). Table reflects proposed decreased analysis list, adjustment of locations having greater number of analyses, and includes five duplicate samples for field quality assurance.

Please feel free to contact me at (818) 727-2553 or at declarke@csceng.com if you have any questions or comments regarding this submittal. We will also plan to attend team meeting at Beaudry Avenue Office to discuss per Scope of Services and Proposal.

Sincerely,

Donald W. Clarke III, PG

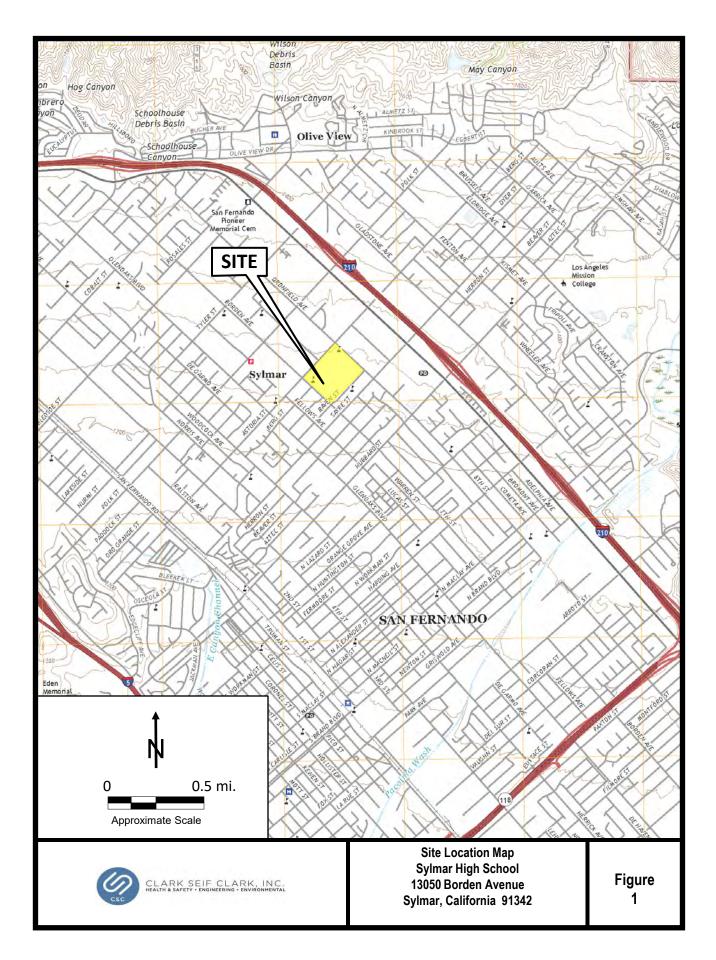
Donald W Clarke TAR

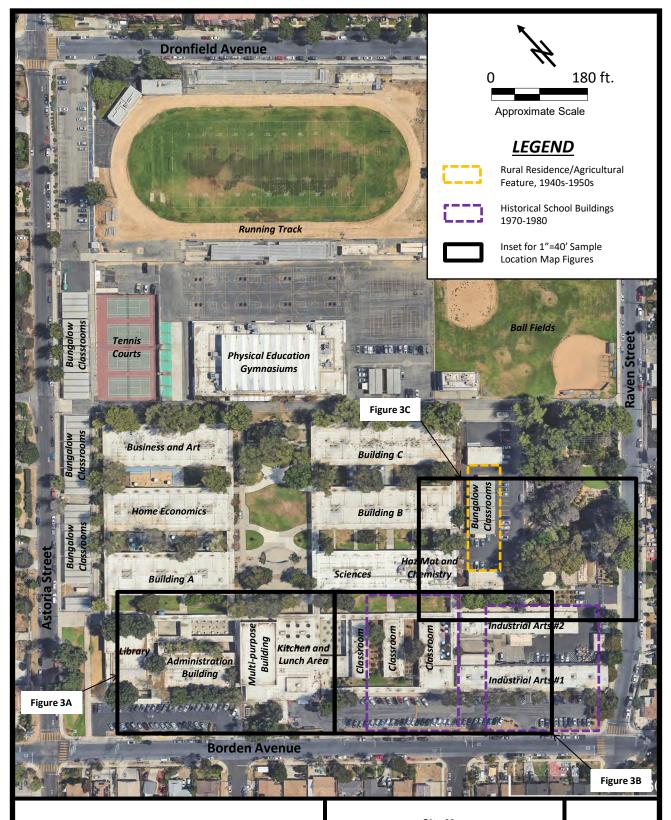
Project Manager

Attachment A

cc: J. Bannon, CSC

ATTACHMENT A PEA-E WORK PLAN REVISED FIGURES AND TABLE

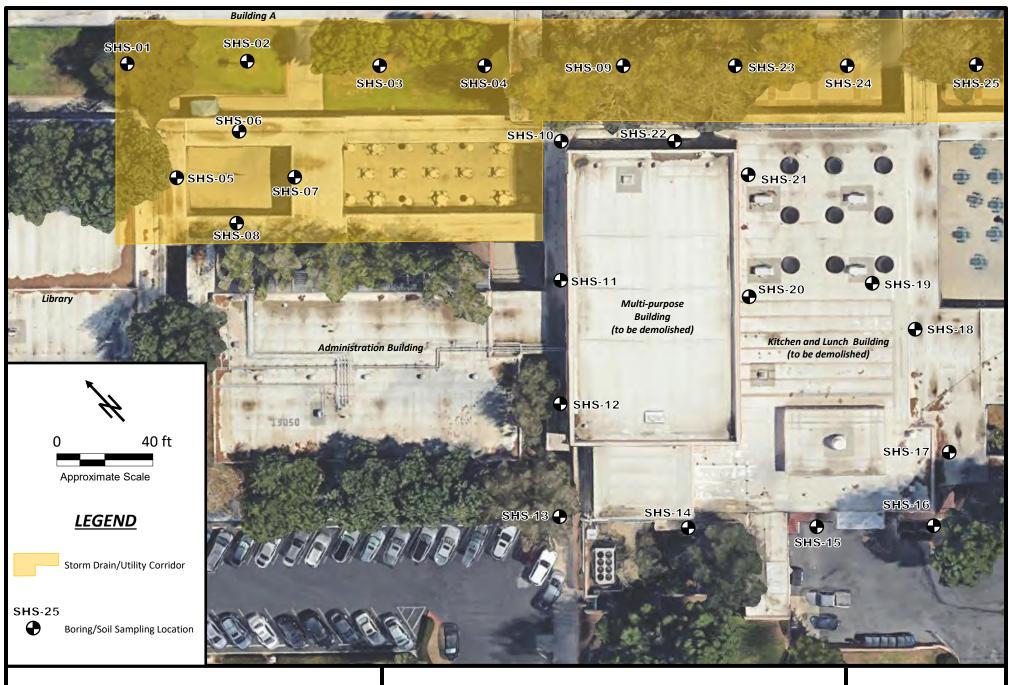






Site Map Sylmar High School 13050 Borden Avenue Sylmar, California 91342

Figure 2





Soil Sampling Locations Sylmar High School 13050 Borden Avenue Sylmar, California 91342

Figure 3A



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Soil Sampling Locations Sylmar High School 13050 Borden Avenue Sylmar, California 91342

Figure 3B





Soil Sampling Locations Sylmar High School 13050 Borden Avenue Sylmar, California 91342

Figure 3C

Sylmar High School, Sylmar, California

		S	ample Location	on Rational	e						
Sampling Location ID	Historical Weed & Pest Control (OCPs, metals)	Current Weed & Pest Control (OCPs, metals)	Former Rural Residential building (lead, asbestos)	Former School Building (lead, asbestos)	Existing Building to be Demolished	Storm Drain / Utility Corridor (general)	Rule 1466 (general)	Sample Depth (ft bgs)	Surface Type	Sampling Method	Analytical Program
								0.5	Grass	Hand Auger	OCPs, T22 Metals, VOCs, PAHs, TPH, PCBs, Asbestos
SHS-01	х	X	х	Х		х	х	1.5			Hold
								3.0			Hold
								0.5	Grass	Hand Auger	OCPs, T22 Metals
SHS-02	х	х				х	х	1.5			Hold
								3.0			Hold
								0.5	Grass	Hand Auger	OCPs, T22 Metals
SHS-03	Х	Х				х	х	1.5			Hold
								3.0			Hold
								0.5	Grass	Hand Auger	OCPs, T22 Metals
SHS-04	Х	X				x	х	1.5			Hold
								3.0			Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-05	x						х	1.5			Hold
								3.0			Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-06	X					x	х	1.5			Hold
								3.0			Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-07	х					x	х	1.5			Hold
								3.0			Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-08	х					x	х	1.5			Hold
								3.0		_	Hold
								0.5	Grass	Hand Auger	OCPs, T22 Metals
SHS-09	х	x				x	х	1.5			Hold
								3.0		_	Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-10	х				х		х	1.5			Hold
								3.0	-	_	Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-11	х				х		х	1.5	1		Hold
								3.0			Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-12	х				х		Х	1.5	1		Hold
								3.0	1		Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-13	x				х		Х	1.5	1		Hold
								3.0	1		Hold

Clark Seif Clark, Inc.

Sylmar High School, Sylmar, California

		S	ample Locati	on Rational	e						
Sampling Location ID	Historical Weed & Pest Control (OCPs, metals)	Current Weed & Pest Control (OCPs, metals)	Former Rural Residential building (lead, asbestos)	Former School Building (lead, asbestos)	Existing Building to be Demolished	Storm Drain / Utility Corridor (general)	Rule 1466 (general)	Sample Depth (ft bgs)	Surface Type	Sampling Method	Analytical Program
								0.5	Concrete	Hand Auger	OCPs, T22 Metals, VOCs, PAHs, TPH, PCBs, Asbestos
SHS-14	х				х		х	1.5			Hold
								3.0			Hold
								0.5	Asphalt	Hand Auger	OCPs, T22 Metals
SHS-15	х				х		х	1.5			Hold
								3.0			Hold
								0.5	Asphalt	Hand Auger	OCPs, T22 Metals
SHS-16	х				х		х	1.5	'	ı -	Hold
								3.0			Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-17	х				х		х	1.5			Hold
								3.0			Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-18	x				x		Х		001101010	- Idila / Idgel	Hold
								3.0			Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-19	х				x		x	1.5	Concrete	Tidila Augei	Hold
3113 13	^				^		^	3.0			Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-20	х				х		х	1.5	Concrete	Tiana Augei	Hold
3113-20	^				^		^	3.0		-	Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-21	х				х		х	1.5	Concrete	Hallu Augel	Hold
3113-21	^				^		^	3.0		-	Hold
									C	Hand Avenue	
SHS-22	v				v		v	0.5	Concrete	Hand Auger	OCPs, T22 Metals
3H3-2Z	Х				Х		Х	1.5		-	Hold Hold
								3.0 0.5	-		OCPs, T22 Metals
CHC 33	v	v				v	v		Grass	Hand Auger	
SHS-23	Х	Х				x	Х	1.5		_	Hold
								3.0			Hold
CUC 24						,,	.,	0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-24	х					х	Х	1.5			Hold
								3.0		_	Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-25	х					x	Х	1.5		<u> </u>	Hold
								3.0			Hold
								0.5	Grass	Hand Auger	OCPs, T22 Metals
SHS-26	х					х	Х	1.5		<u> </u>	Hold
								3.0			Hold

Clark Seif Clark, Inc.

Sylmar High School, Sylmar, California

		S	Sample Location	on Rational	e						
Sampling Location ID	Historical Weed & Pest Control (OCPs, metals)	Current Weed & Pest Control (OCPs, metals)	Former Rural Residential building (lead, asbestos)	Former School Building (lead, asbestos)	Existing Building to be Demolished	Storm Drain / Utility Corridor (general)	Rule 1466 (general)	Sample Depth (ft bgs)	Surface Type	Sampling Method	Analytical Program
								0.5	Grass	Hand Auger	OCPs, T22 Metals
SHS-27	х		х			х	х	1.5			Hold
								3.0			Hold
								0.5	Grass	Hand Auger	OCPs, T22 Metals
SHS-28	х		х			х	x	1.5			Hold
								3.0			Hold
								0.5	Grass	Hand Auger	OCPs, T22 Metals
SHS-29	х		х			х	x	1.5			Hold
								3.0			Hold
								0.5	Grass	Hand Auger	OCPs, T22 Metals
SHS-30	х		х			х	x	1.5			Hold
								3.0			Hold
								0.5	Asphalt	Hand Auger	OCPs, T22 Metals
SHS-31	х		х			X	х	1.5]		Hold
								3.0			Hold
								0.5	Dirt	Hand Auger	OCPs, T22 Metals
SHS-32	х		х			x	х	1.5			Hold
								3.0			Hold
								0.5	Grass	Hand Auger	OCPs, T22 Metals, VOCs, PAHs, TPH, PCBs, Asbestos
SHS-33	х		х			х	x	1.5			Hold
								3.0			Hold
								0.5	Grass	Hand Auger	OCPs, T22 Metals
SHS-34	х		х			х	х	1.5			Hold
								3.0			Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-35	х			X		x	х	1.5			Hold
								3.0			Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-36	х			Х		X	х	1.5			Hold
								3.0			Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals
SHS-37	х			Х		x	Х	1.5			Hold
								3.0			Hold
								0.5	Concrete	Hand Auger	OCPs, T22 Metals, VOCs, PAHs, TPH, PCBs, Asbestos
SHS-38	х			Х		x	Х	1.5			Hold
								3.0			Hold
								0.5	Grass	Hand Auger	OCPs, T22 Metals
SHS-39	х					x	Х	1.5]		Hold
								3.0	<u> </u>		Hold

Clark Seif Clark, Inc.

Sylmar High School, Sylmar, California

		S	Sample Location	on Rational	e						
Sampling Location ID		Current Weed & Pest Control (OCPs, metals)	Residential	Former School Building (lead, asbestos)	Existing Building to be Demolished	Storm Drain / Utility Corridor (general)	Rule 1466 (general)	Sample Depth (ft bgs)	Surface Type	Sampling Method	Analytical Program
								0.5	Grass	Hand Auger	OCPs, T22 Metals
SHS-40	х		х			Х	х	1.5			Hold
								3.0			Hold
								0.5	Asphalt	Hand Auger	OCPs, T22 Metals
SHS-41	Х		х			X	X	1.5			Hold
								3.0			Hold
								0.5	Grass	Hand Auger	OCPs, T22 Metals, VOCs, PAHs, TPH, PCBs, Asbestos
SHS-42	Х		х			X	X	1.5			Hold
								3.0			Hold
								0.5	Asphalt	Hand Auger	OCPs, T22 Metals
SHS-43	Х		х			X	X	1.5			Hold
								3.0			Hold
								0.5	Asphalt	Hand Auger	OCPs, T22 Metals
SHS-44	х		х			х	x	1.5			Hold
								3.0			Hold
								0.5	Asphalt	Hand Auger	OCPs, T22 Metals
SHS-45	х		х			х	Х	1.5			Hold
								3.0			Hold

Notes:

OCPs = Organochlorine Pesticides by EPA Method 8081A

T22 Metals = California Title 22 List Metals by EPA 6010B/7471A (arsenic by Method 6020)

VOCs = Volatile Organic Compounds by EPA Method 8260B

PAHs = Polycyclic Aromatic Hydrocarbons by EPA Method 8270C

TPH = Total Petroleum Hydrocarbons by EPA Method 8015B

PCBs = Polychlorinated Biphenyls by EPA Method 8082

Asbestos = Evaluated as detected/not detected at 1% by Polarized Light Microscopy (PLM)

Page 4 of 4 Clark Seif Clark, Inc.

APPENDIX B SELECTED PHOTOGRAPHS



Photo 1: View SSE and down. Pin flag at SHS-03. Dieldrin concentration 32 μ g/kg in surface sample. Sewer line trace to rear.



Photo 2: View SE and down. Pin flag at SHS-04. Dieldrin concentration 100 μ g/kg in surface sample. Sewer line trace to left.





Photo 3: View SE. SHS-26 and SHS-27 (background). Storm drain grate visible just right of center.



Photo 4: View SSE and down. Pin flag at SHS-27. Dieldrin concentration 83 µg/kg in surface sample. Gas line trace to right. Storm drain grate right background.





Photo 5: View SE. SHS-33 and SHS-34 (far background). Respective dieldrin concentrations 6.3 μ g/kg and 24 μ g/kg. in surface samples.



Photo 6: View N. SHS-14 on southwest side of Multipurpose Building / Kitchen and Lunch Building. Benzo (a) pyrene concentration 300 μ g/kg in shallow sample.





Photo 7: View S. Pin flag at SHS-43. Arsenic concentration 13 mg/kg in surface sample. Sewer line trace to right.



Photo 8: View WSW and down. Pin flag at SHS-32. Dieldrin concentration 22 μ g/kg in surface sample. Boring between street lighting electrical line trace (background) and unknown utility line trace (foreground).



APPENDIX C COPY OF COMMUNITY WORK NOTIFICATION

Los Angeles Unified School District

Office of Environmental Health and Safety

ALBERTO M. CARVALHO
Superintendent of Schools

JENNIFER FLORES

Deputy Director Environmental Health and Safety

CARLOS TORRES

Director, Environmental Health and Safety

August 11, 2023

TO: Neighbors and Community Members of

Sylmar Charter High School

FROM: Los Angeles Unified School District

Office of Environmental Health and Safety

REGARDING: Preliminary Environmental Assessment

Sylmar Charter High School, Sylmar, California

The Los Angeles Unified School District (LAUSD) - Office of Environmental Health and Safety (OEHS) would like to provide you with advance notice of a Preliminary Environmental Assessment (PEA) that will be conducted within the boundaries of Sylmar Charter High School, located at 13050 Borden Avenue, Sylmar, California, 91342. The environmental investigation will cover portions of the southwest part of the campus in areas scheduled to undergo improvements to modernize the campus.

A licensed contractor, working on behalf of LAUSD, will perform the environmental investigation under oversight of LAUSD-OEHS, which is independent from the LAUSD Facilities Services Division (The Facilities Services Division is the responsible Branch for development and construction of the project).

The environmental investigation will consist of the sampling of soil for chemicals of concern (COC's) at areas where recognized environmental conditions (RECs) were identified in a previous Phase I Environmental Site Assessment. These areas are in locations on campus where existing buildings will be demolished, new buildings will be constructed, and at the historical locations of rural structures and former school buildings.

Fieldwork is anticipated to begin during the week of August 28, 2023, and is expected to be completed over the course of five (5) days on-site. All fieldwork is scheduled to be conducted when students are away from school, between 7:00 am and 5:00 pm.

The results of the investigation will be submitted to LAUSD-OEHS in a report that will be made available for public review. The report will include an assessment of whether any of the above listed chemicals are present in soil at concentrations that would require further assessment or a response action before the Site is cleared for construction activities. When OEHS's review is complete, OEHS will issue a determination with regard to the assessment.

If you have any questions concerning the upcoming environmental investigations or other related activities for the proposed modernization of Sylmar Charter High School, please contact Mr. Andrew Modugno, LAUSD Office of Environmental Health and Safety Environmental Assessment Coordinator, at (213) 241-3433 (email at andrew.modugno@lausd.net).

Si desea información en español comuníquese con Jocelyn Chavez de FSD Relaciones Comunitarias al (213) 241-3793 (linea directa) o (213) 330-9251 (línea principal) o por correo electrónico a jocelyn.chavez@lausd.net.

Los Angeles Unified School District

Oficina de Salud y Seguridad Ambiental

ALBERTO M. CARVALHO
Superintendente de Escuelas

JENNIFER FLORES Directora Adjunta de Salud y Seguridad Ambiental CARLOS TORRES Director de Salud y Seguridad Ambiental

11 de agosto de 2023

PARA: Vecinos y miembros de la comunidad de

Preparatoria Sylmar Chárter

DE: Los Angeles Unified School District

Oficina de Salud y Seguridad Ambiental

ASUNTO: Evaluación Ambiental Preliminar

Preparatoria Sylmar Charter, Sylmar, California

La Oficina de Salud y Seguridad Ambiental (OEHS) del Distrito Escolar Unificado de Los Angeles (LAUSD, por sus siglas en inglés) por media de la presente, le proporciona un aviso de antemano de una Evaluación Ambiental Preliminar (PEA) que se llevará a cabo dentro de los límites de la Preparatoria Sylmar Chárter, ubicada en el 13050 Borden Avenue, Sylmar, California, 91342. La investigación ambiental cubrirá porciones de la parte suroeste del campus en áreas planeadas para realizar mejoras para modernizar el campus.

Un contratista con licencia, trabajando en nombre de LAUSD, realizara la investigación ambiental bajo la supervisión de LAUSD-OEHS, independientemente de la División de Servicios de Instalaciones de LAUSD (dicha entidad es la subdivisión encargada del desarrollo y construcción del proyecto).

La investigación ambiental consistirá en el muestreo del suelo en busca de sustancias químicas preocupantes (COC) en áreas donde se identificaron condiciones ambientales reconocidas (REC) en una evaluación ambiental del sitio la cual se llevó a cabo anteriormente relacionada con la primera fase. Estas áreas se encuentran en lugares del campus donde se demolerán edificios actuales, se construirán edificios nuevos y en los lugares históricos de las estructuras rurales y los antiguos edificios escolares.

Se prevé que el trabajo relacionado con el muestreo comience durante la semana del 28 de agosto de 2023 y se finalice en el transcurso de cinco (5) días en el sitio. Todo el trabajo de campo está programado para llevarse a cabo cuando los estudiantes estén fuera de la escuela, entre las 7:00 a.m. y las 5:00 p.m.

Los resultados de la investigación se presentarán al LAUSD-OEHS en un informe que estará disponible al público para su revisión. El informe incluirá una evaluación confirmando o descartando si alguno de los productos químicos mencionados anteriormente está presente en el suelo en concentraciones que requerirían una evaluación adicional o una acción de respuesta antes de que el sitio sea autorizado para las actividades de construcción. Una vez finalizada la revisión por parte de OEHS, OEHS emitirá una determinación con respecto a la evaluación.

Si tiene alguna pregunta sobre las investigaciones ambientales de este proyecto, comuníquese con Andrew Modugno, Coordinador de Evaluación Ambiental en OEHS de LAUSD, al (213) 241-3433 (correo electrónico: andrew.modugno@lausd.net).

Si desea información sobre cualquier otro aspecto del proyecto, comuníquese con Jocelyn Chávez de FSD *Community Relations* al (213) 241-3793 o por correo electrónico a jocelyn.chavez@lausd.net.

APPENDIX D GEOPHYSICAL UTILITY SURVEY REPORT



SAN DIEGO/ LA / SACRAMENTO WWW.ULSSERVICES.COM

CORPORATE ADDRESS

4275 37th St., Suite 232 San Diego, CA 92105 619-991-4222

FIELD SERVICES FOR

Work Order Agreement

ronk order rigidentient		I ILLD SLIVICES I OK	
Job Site Location SYLMAR HIGH SCHOOL			CALIFORNIA, ARIZONA AND NEVADA
City, State	Job Date		7
SYLMAR, CA	AUGUST 10 & 11, 2023		
CLIENT CSC	FIELD TIME 12	REPORT 4	LABOR HOURS W/REPORT HRS TOTAL HRS 16
ADDRESS			FAXED
CITY, STATE, ZIP			TELEPHONED
PHONE/FAX			HAND DELIVERED
E-MAIL			E-MAILED
WORK REQUESTED: UTILITY SURV	ΈΥ		
WORK PERFORMED		PRELIMINARY REVIEW OF CLIENT PROVIDED UTILITY DRAWINGS/AS-BUILTS: NONE	
VISUAL SITE INSPECTION (MANHOLES, DRAINS): YES		EMPCL CONDUCTIVE UTILITY SURVEY: CHECKED	
SURFACE ONLY		GAS: X ELECTRIC: X COMM.: X WATER: X	
EMIMD METAL DETECTION SURVEY: YES		EM INSERTION: NF - INSERTION METHODS	
AMBIENT NOISE AND SETTINGS		NOT PROVIDED DUE TO HEALTH AND SAFETY.	
LOW NOISE GAIN 6	ELEV LOW	SEE NOTES BELOW REGARDING LATERALS	
REBAR IN CONCRETE?	200	01 15115 011 0155 5 5 5	
GPR NON-CONDUCTIVE SURVEY: POOR		CLIENT ON-SITE REVIEW OF FINDINGS: YES	

GENE GENERAL LIMITATIONS

NOTE: The work described herein is performed to industry standards (or higher) using multiple methodology and QA/QC protocol. ULS cannot guarantee the accuracy or the ability to detect all underground facilities and potential interferences. Non-conductive or conductive utilities/facilities may not be detected due to variables and constraints beyond ULS control. Where known, constraints and limitations will be brought to the client's attention. Excavation work may result in injury to persons and/or damage to facilities. Client and/or excavator are advised to take all steps necessary to avoid contact with underground facilities. This includes, but is not limited to, safe digging practices, hand tooling in congested areas and within two feet on side of marked utilities (distance may vary by law), utility drawing review, site facilities representative review, and "one-call" utilities notification. ULS and its representatives are not responsible for injury to persons or damage to facilities. This document and accompanying pages will be delivered to the client before commencement of intrusive work for the client's review. If any questions arise, please notify our office immediately.

NOTE: Specific comments/limitations/constraints, known and recognized will be recorded on attached pages (field notes). Caution some facilities (conductive or non- conductive) may not be detected. Not all limitations and constraints may be recognized.

ULS REPRESENTATIVE ON-SITE	



.....

CLIENT CSC

LOCATION SYLMAR HIGH SCHOOL

DATE 8-10 & 8-11-23

METHODS AND GENERAL OBSERVATIONS:

ARRIVED SITE AND COMPLETED H&S TAILGATE AND/OR PERMIT TO WORK
WITH CLIENT. SET UP DELINEATORS AROUND VEHICLE AND NEAR BLINDSPOTS
AND ENTRY WAYS. MADE GENERAL SITE WALK TO REVIEW SURVEY AREAS (PROPOSED ZONES). CHECKED FOR
SURFACE UTILITY MANIFESTATIONS SUCH AS VALVES, METERS, CONDUITS, TRENCHING SEAMS, VAULT LIDS
AND EXISTING ONE CALL MARKINGS. BEGAN MARKOUT WORK.

METHODS UTILIZED INCLUDE: EM PIPE AND CABLE LOCATOR USING AMBIENT, GROUND INDUCTION AND CONNNECTION MODE SWEEPS. EM INDUCTION METAL DETECTOR AND GPR. A CARTISIAN GRID PATH IS WALKED AT EACH PROPOSED ZONE USING ALL METHODOLOGY. OBSERVATIONS ARE MARKED WITH WHITE AND/OR PINK PAINT. ZONE IS MARKED OUT WITH WHITE AND/OR PINK MARKINGS (REFER TO PHOTOS).

SITE CALIBRATION - GENERAL OBSERVATIONS

EM PIPE AND CABLE TRANSMITTER TO RECIEVER (GROUND INDUCTION AND CONNECTION) BROADCASTING IS _GOOD____ATTENUATION EFFECTS FROM CONCRETE STEEL REINFORCEMENT NIL_____ EMIMD METAL DETECTOR BACKGROUND EM NOISE IS _LOW_____ GPR PENETRATION AND RESOLUTION IS __POOR_____.

SEE QA / QC OBSERVATION COMMENTS TO RIGHT SIDE AND SPECIFIC OBSERVATIONS / COMMENTS BELOW



CLIENT CSC

LOCATION SYLMAR HIGH SCHOOL

DATE 8-10 & 8-11-23

SPECIFIC OBSERVATIONS AND COMMENTS OR CONCERNS:

PROPOSED :

- 45 SEWER AT 9' SOUTH. UNKNOWN SIGNAL AT 9' EAST
- 44 SEWER AT 9' SOUTH
- 43, 42, 41 AND 40 POINTS MOVED 3' TO 4' NORTH OFF OF WATER AND GAS
- 39 POINT MOVED 8' SOUTH CAUTION FOR SEWER AT 3' SOUTH AND WATER/GAS AT 3' NORTH
- 34 AND 33 POINTS MOVED 5' NORTH AWAY FROM MULTIPLE LINES, S/SD/E/T
- 27 GAS LINE AT 3' SOUTH
- 26 GAS LINE AT 3' SOUTH. UNKNOWN AT 9' EAST
- **25 AND 24 GAS LINE AT 10' SOUTH**
- 23 POINT MOVED 2' TO 3' NORTH OFF GAS LINE. SD INLET TRENDS EAST
- 09 GAS LINE AT 3' SOUTH
- 04 AND 3 POINTS MOVED 6' SOUTH OFF SEWER LINE
- 02 POINT MOVED 6' NORTH OFF OF UNKNOWN SIGNAL
- 01 UNKNOWN AT 6' SOUTH OF POINT
- 10, 11 AND 12 NO SIGNALS FOUND IN CONFLICT
- 5 UNKNOWN TRENCH PATCHING AT 3' WEST
- 6 POINT MOVED 6' SOUTH OFF OF UNKNOWN SIGNAL
- 7 POINT MOVED 5' WEST OFF OF ELECTRIC
- 8 ELECTRIC/TELEPHONE TRENCH PATCHING AT 6' EAST
- 22 POINT MOVED 10' NORTH OFF TRENCH PATCHING WITH ELECT/COMM/FIRE ALARM
- 13 WATER AT 6' WEST. MULTIPLE CONDUIT AT 6' SOUTH
- 14 EXTREME CAUTION. INTERFERENCE FROM ELECTRICAL AND MACHINERY MADE EM LOCATING INEFFECTIVE.
- 15 AND 16 NO SIGNALS FOUND IN CONFLICT

QA/QC
SITE WALK
VISUALS
UTILITY MAINS
ELECTRIC – TO AND FROM VAULTS AND BLDGS
TELEPHONE – TO AND FROM VAULTS AND BLDGS
NAT GAS – BETWEEN BLDGS
WATER – BETWEEN BLDGS, USE CAUTION FOR PVC
SEWER/STORM – VISUALS ON MANHOLES AND INLETS
SEWER LATERAL – CAUTION, LIMITED C/O'S WITH NO VISUALS
OTHER
FUELS SYSTEM
USTS
PIPING
VENTS



CLIENT CSC

LOCATION SYLMAR HIGH SCHOOL

DATE 8-10 & 8-11-23

SPECIFIC OBSERVATIONS AND COMMENTS OR CONCERNS:

PROPOSED :

- 32 ELECTRIC TO STREET LIGHTING 4' NORTH, UNKNOWN 4' SOUTH
- 31 AND 38 NO SIGNALS FOUND IN CONFLICT
- 30 STORM DRAIN AT 5' NORTH AND UNKNOWN AT 4' SOUTH
- 37 WATER MAIN IN TRENCH PATCHING 2' TO 4' WEST. UNKNOWN TRENCH PATCHING AT POINT? POINT MOVED 1' TO 2' NORTHEAST
- 36 AND 36– WATER IN TRENCH PATCHING 2° WESTOF POINT. UNKNOWN TRENCH PATCHING ALSO IN AREA
- 29 ELECTRIC AT 3' TO 6' NORTH
- 28 ELECTRIC AND TELEPHONE AT 10' SOUTH
- 17 UNKNOWN TRENCH PATCHING AND ELECTRIC AT 3' TO 6' NORTH OF POINT
- 18 AND 19 NO SIGNALS FOUND IN CONFLICT
- 20 UNKNOWN AT 3' WEST
- 21 POSSIBLE STORM DRAIN AT 3' WEST

END REPORT/ PHOTO EDITS ATTACHED

LOCATE ENERGY ISOLATION POINTS FOR ALL UTILITIES AT THIS SITE AS WELL AS CONTACT USA/DIG ALERT BEFORE ANY INTRUSIVE WORK















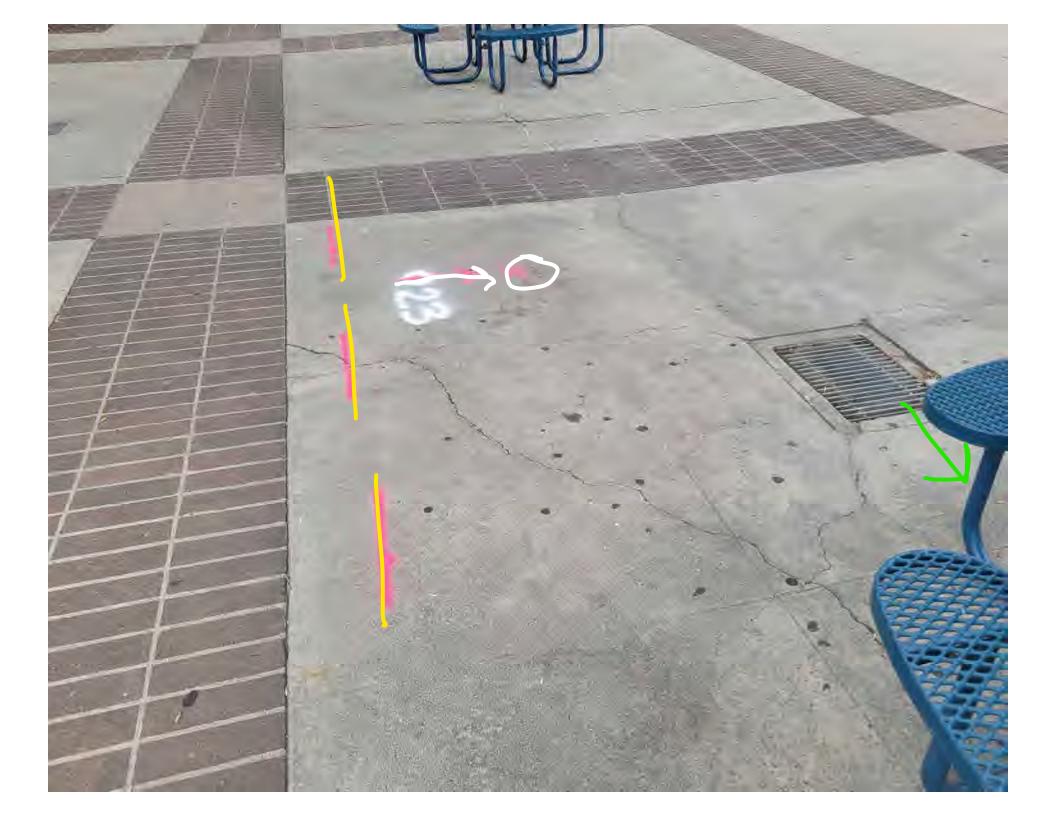














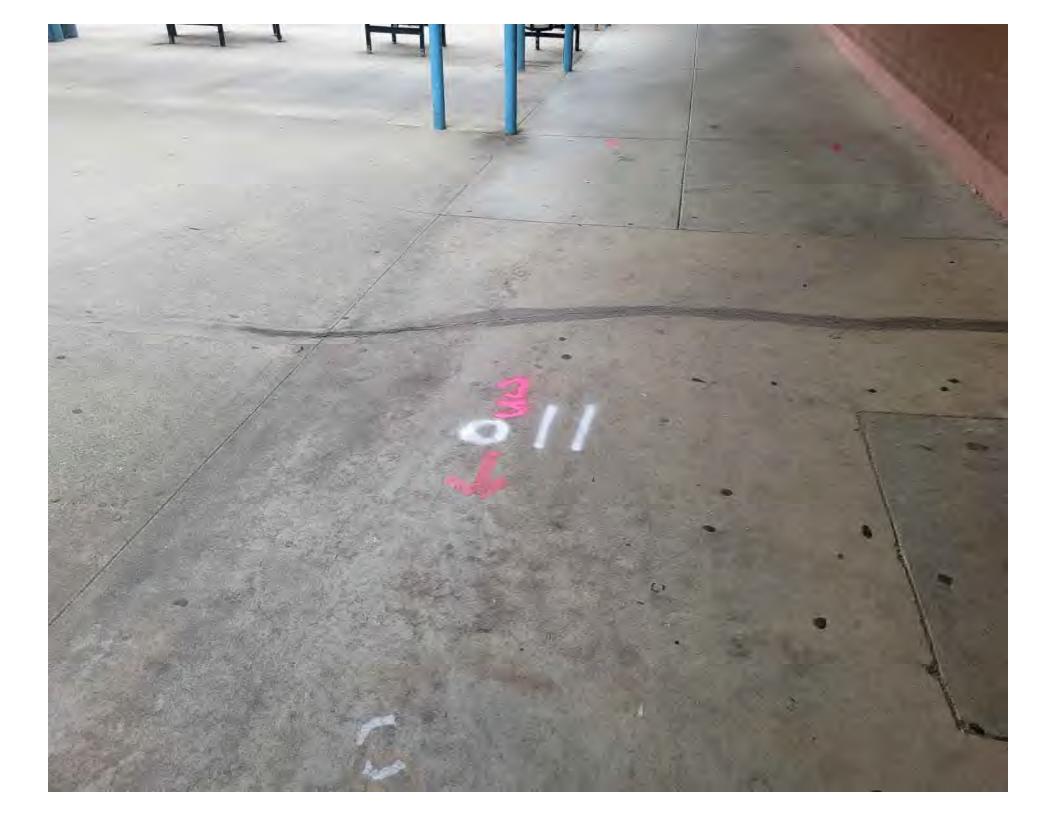


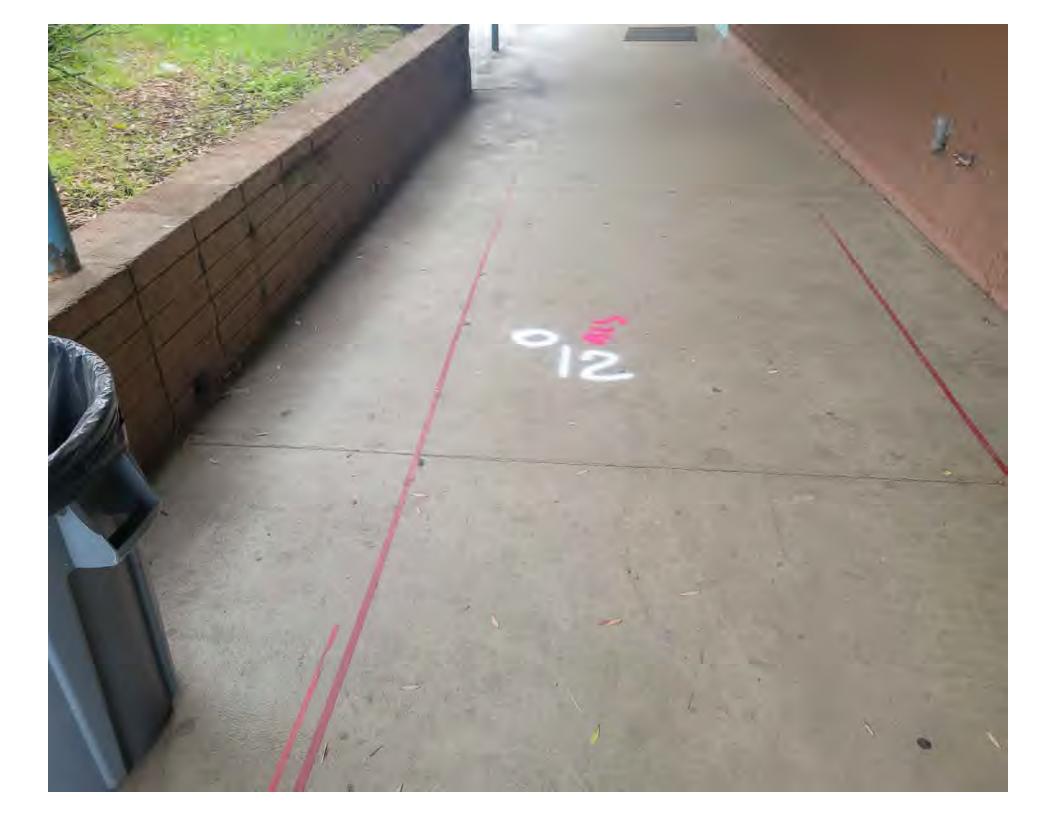


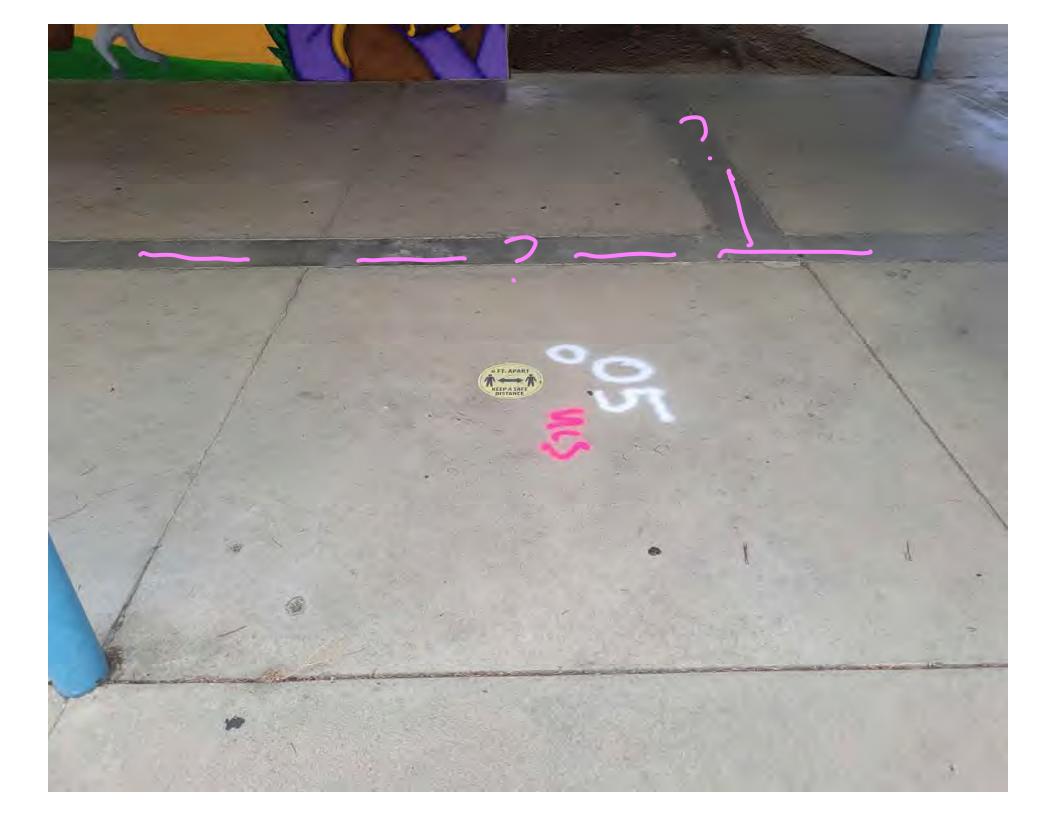


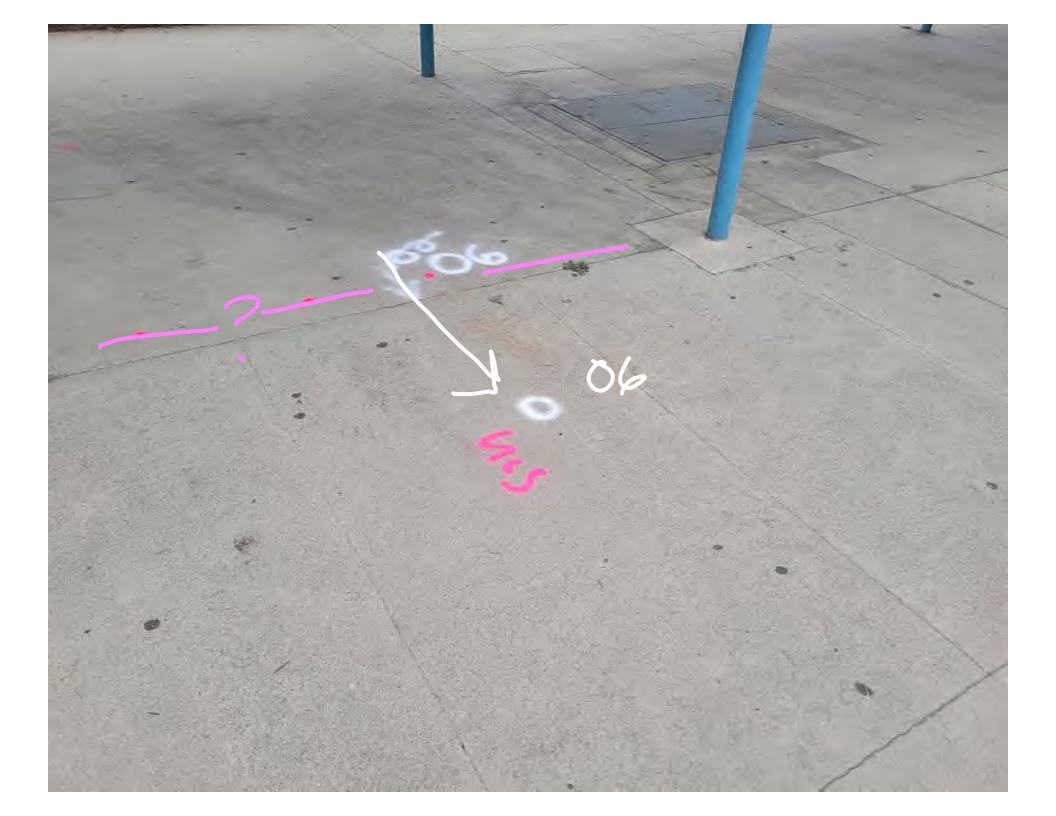


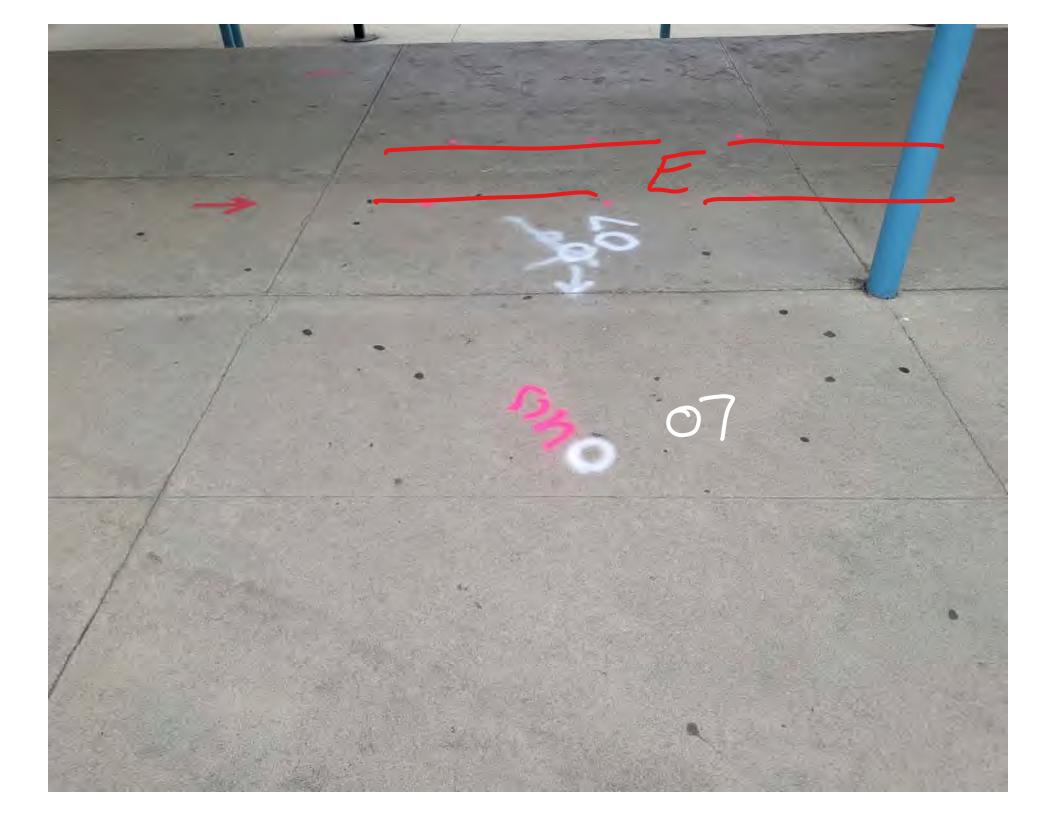










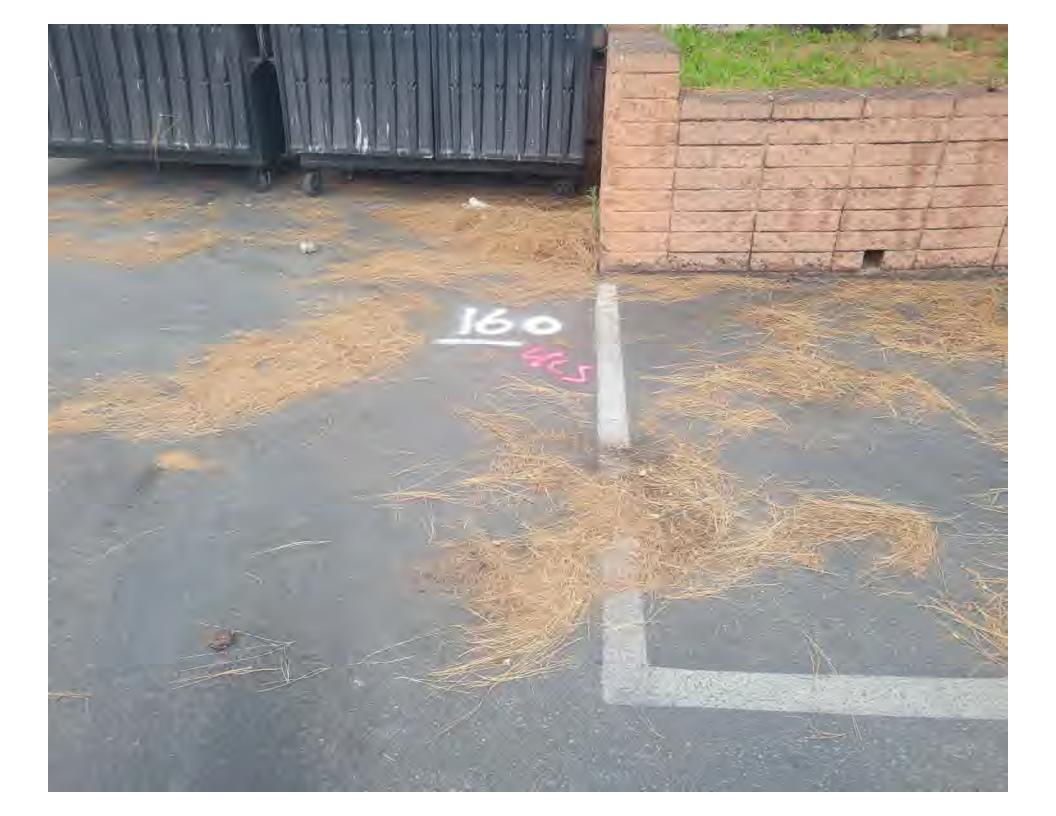








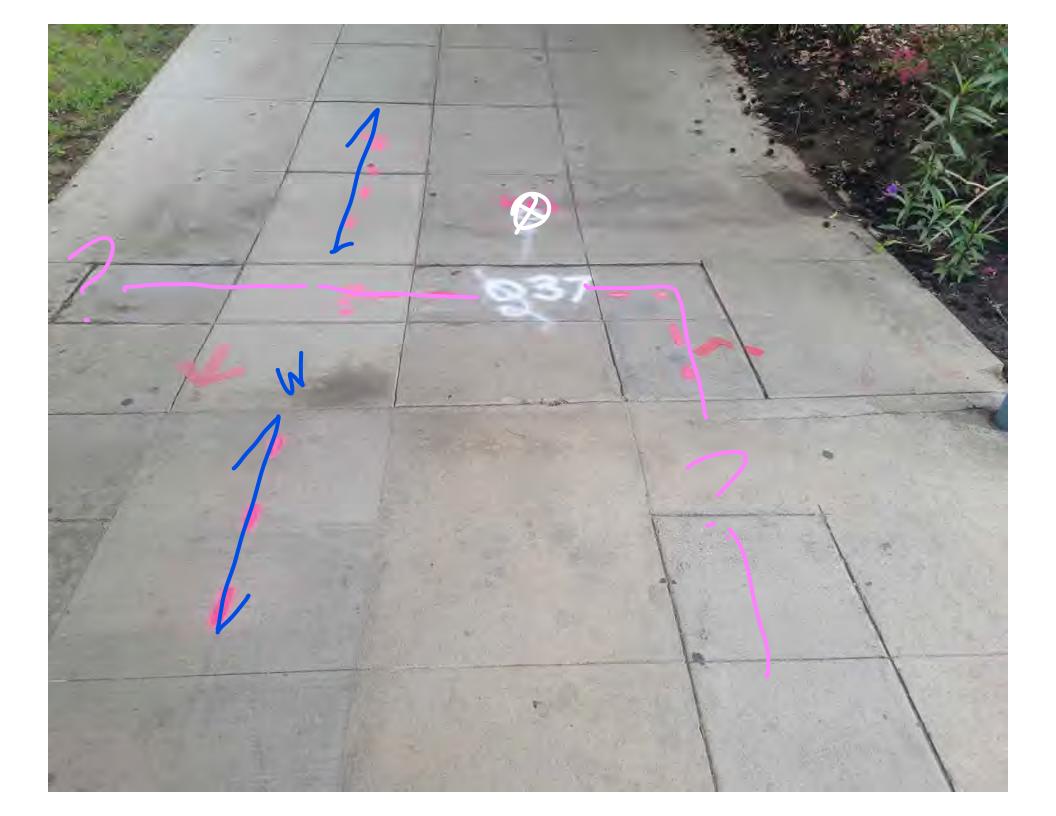




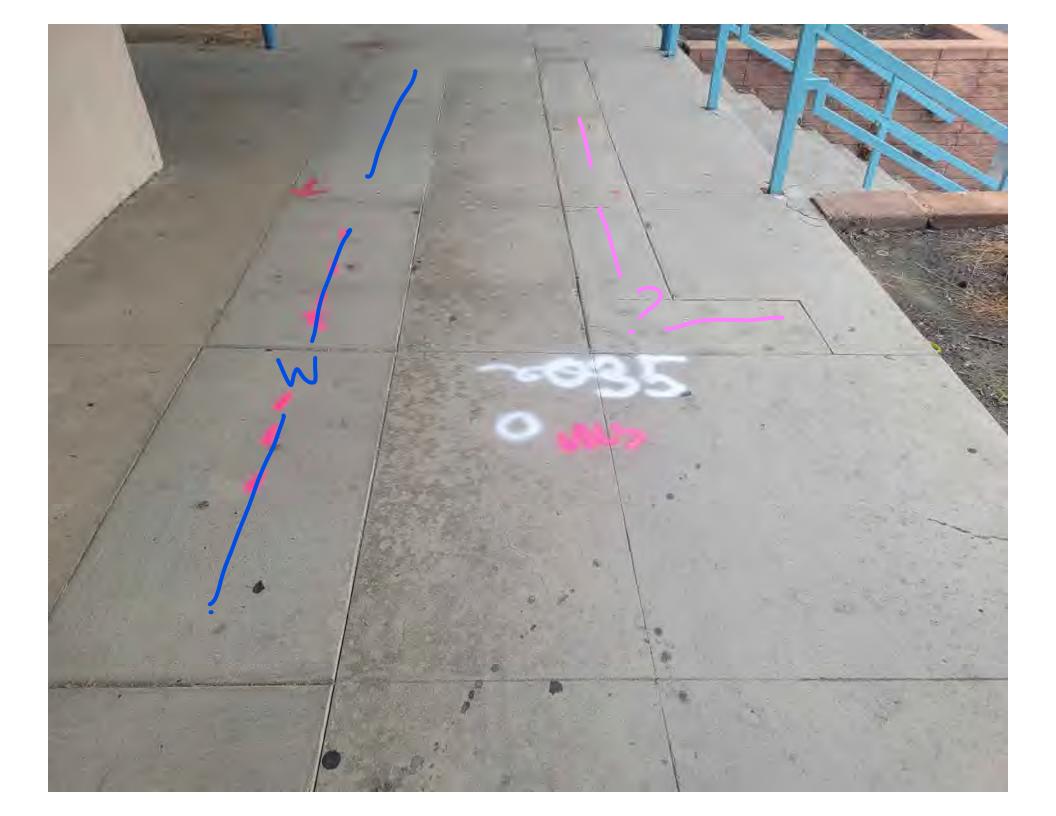






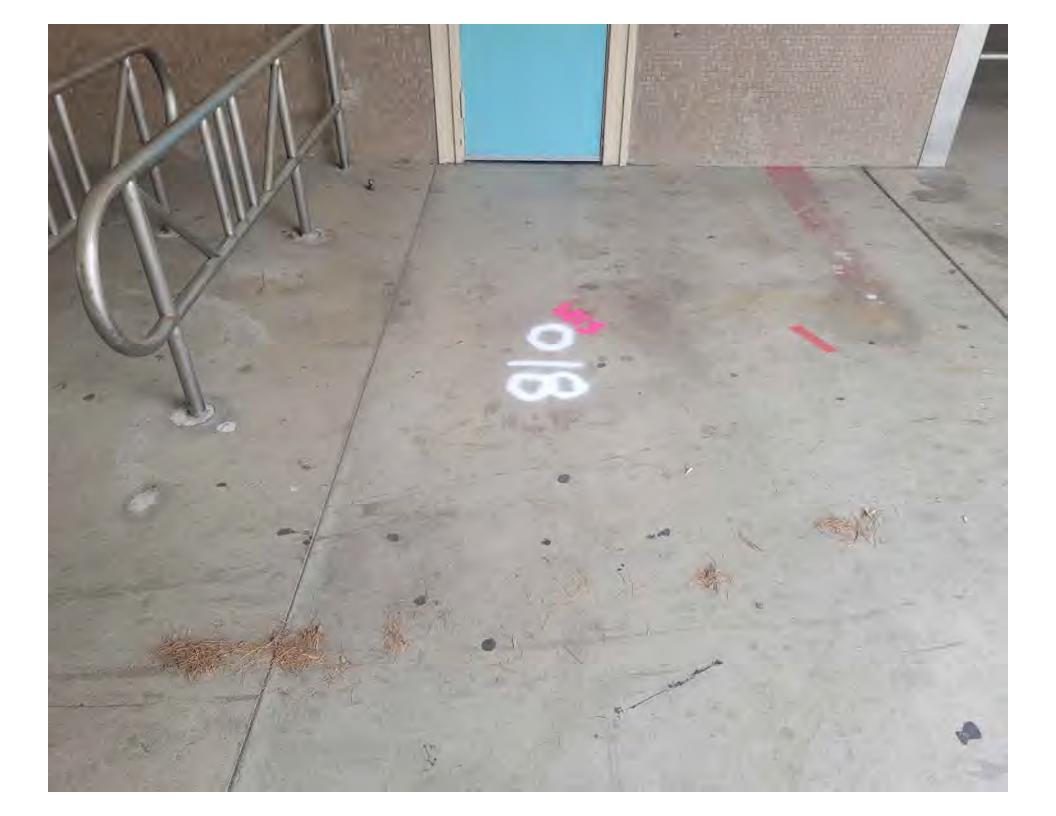


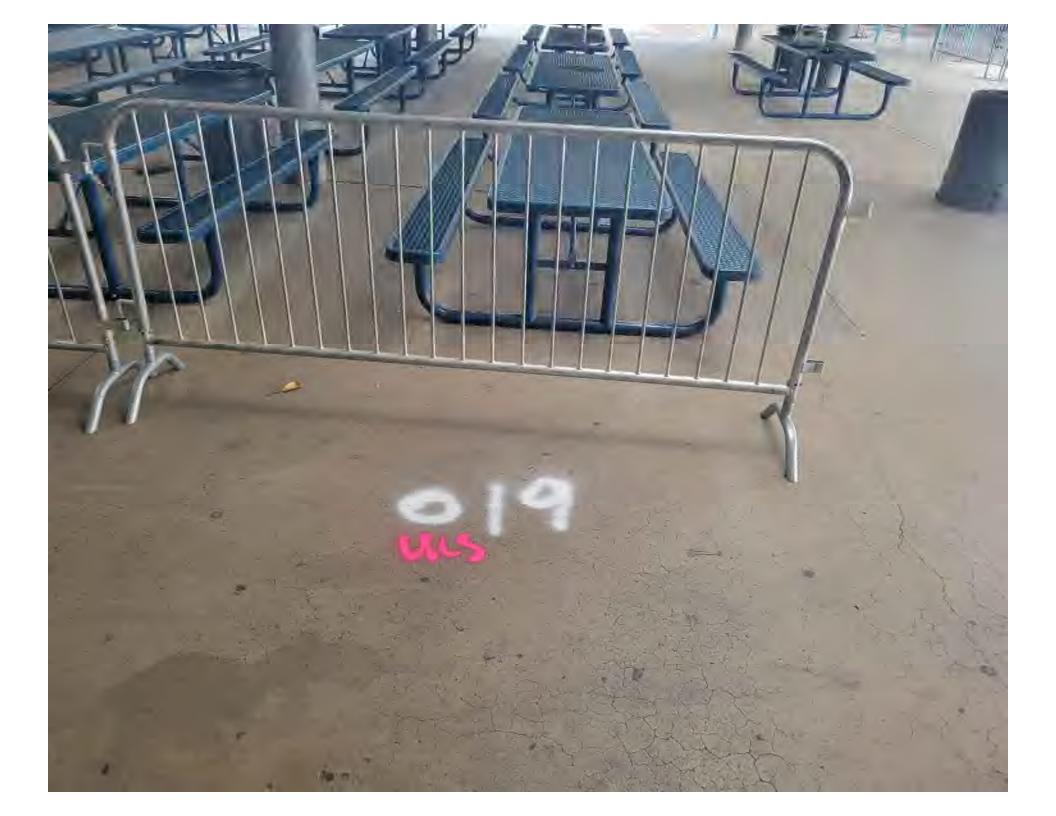




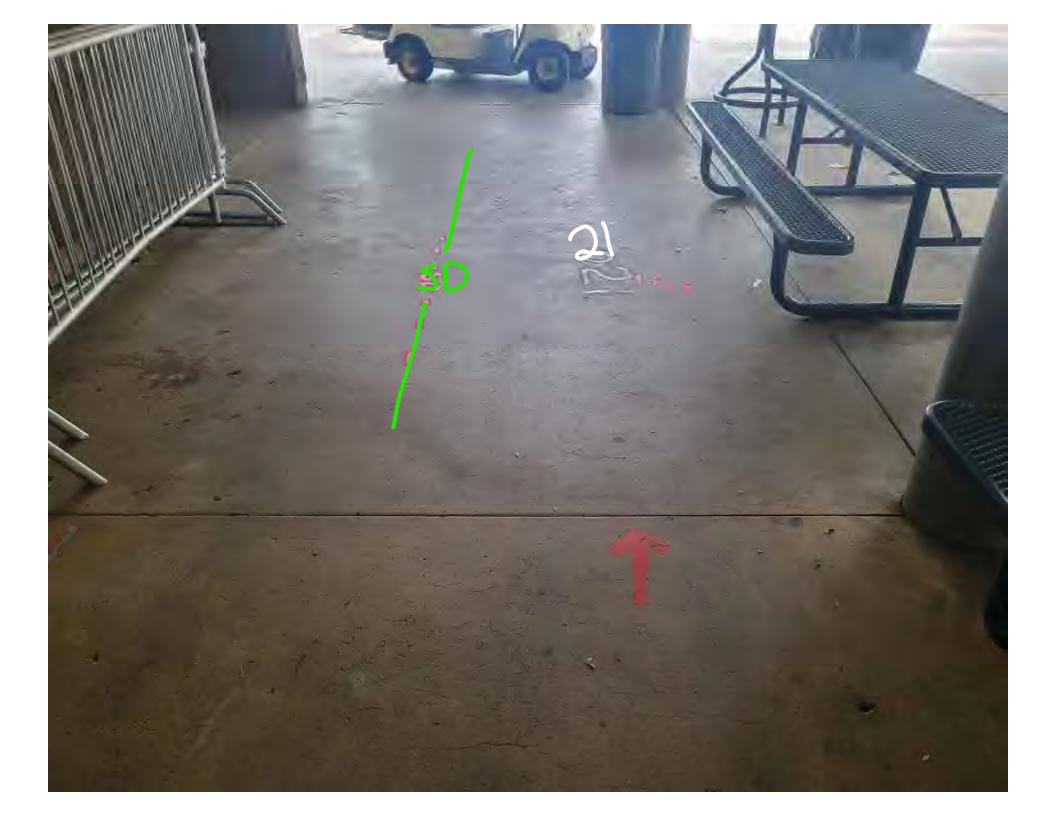












APPENDIX E LABORATORY ANALYTICAL RESULTS



11 September 2023

Jeff Bannon
Clark Seif Clark - Chatsworth
21732 Devonshire Street, 2nd Floor
Chatsworth, CA 91311

RE: Sylmar High School PEA-E

Joann Marroquin

Enclosed are the results of analyses for samples received by the laboratory on 09/05/23 15:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joann Marroquin

Director of Operations



Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SHS-01-0.5	T232544-01	Soil	09/01/23 13:15	09/05/23 15:00
SHS-01-0.5D	T232544-02	Soil	09/01/23 13:17	09/05/23 15:00
SHS-09-0.5	T232544-05	Soil	09/01/23 11:30	09/05/23 15:00
SHS-09-0.5D	T232544-06	Soil	09/01/23 11:32	09/05/23 15:00
SHS-10-0.5	T232544-09	Soil	09/01/23 13:05	09/05/23 15:00
SHS-11-0.5	T232544-12	Soil	09/01/23 12:45	09/05/23 15:00
SHS-12-0.5	T232544-15	Soil	09/01/23 12:20	09/05/23 15:00
SHS-17-0.5	T232544-18	Soil	09/01/23 09:30	09/05/23 15:00
SHS-17-0.5D	T232544-19	Soil	09/01/23 09:32	09/05/23 15:00
SHS-18-0.5	T232544-22	Soil	09/01/23 10:05	09/05/23 15:00
SHS-19-0.5	T232544-25	Soil	09/01/23 09:30	09/05/23 15:00
SHS-20-0.5	T232544-27	Soil	09/01/23 10:03	09/05/23 15:00
SHS-21-0.5	T232544-30	Soil	09/01/23 10:45	09/05/23 15:00
SHS-22-0.5	T232544-32	Soil	09/01/23 10:45	09/05/23 15:00
SHS-23-0.5	T232544-35	Soil	09/01/23 11:03	09/05/23 15:00
SHS-24-0.5	T232544-38	Soil	09/01/23 11:45	09/05/23 15:00
SHS-25-0.5	T232544-41	Soil	09/01/23 12:05	09/05/23 15:00
SHS-33-0.5	T232544-43	Soil	09/01/23 08:05	09/05/23 15:00
SHS-34-0.5	T232544-46	Soil	09/01/23 07:40	09/05/23 15:00
SHS-35-0.5	T232544-49	Soil	09/01/23 08:57	09/05/23 15:00
SHS-36-0.5	T232544-52	Soil	09/01/23 08:32	09/05/23 15:00
SHS-37-0.5	T232544-55	Soil	09/01/23 08:40	09/05/23 15:00
SHS-38-0.5	T232544-58	Soil	09/01/23 08:12	09/05/23 15:00

SunStar Laboratories, Inc.

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



Clark Seif Clark - Chatsworth

Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Chatsworth CA, 91311 Project Number: 3000107
Project Manager: Jeff Bannon

Reported:

09/11/23 17:13

DETECTIONS SUMMARY

ample ID: SHS-01-0.5	Labora	tory ID:	T232544-01		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
C29-C40 (MORO)	47	10	mg/kg	EPA 8015B	D-06
Arsenic	7.7	2.0	mg/kg	EPA 6010b	
Barium	160	1.0	mg/kg	EPA 6010b	
Chromium	16	2.0	mg/kg	EPA 6010b	
Cobalt	12	2.0	mg/kg	EPA 6010b	
Copper	24	1.0	mg/kg	EPA 6010b	
Lead	16	3.0	mg/kg	EPA 6010b	
Nickel	15	2.0	mg/kg	EPA 6010b	
Vanadium	48	5.0	mg/kg	EPA 6010b	
Zinc	82	1.0	mg/kg	EPA 6010b	
Arsenic	8.1	0.050	mg/kg	6020 ICP-MS	
4,4´-DDE	6.8	5.0	ug/kg	EPA 8081A	
Dieldrin	9.1	5.0	ug/kg	EPA 8081A	
A	24	1.9	ug/kg	EDA 9260D/5025	5035A
Acetone CLIC 01 0 5D	34			EPA 8260B/5035	3033A
		tory ID:	T232544-02	EFA 6200D/3033	3033A
ample ID: SHS-01-0.5D				Method	
	Labora	tory ID: Reporting Limit	T232544-02 Units		Notes
Analyte	Labora Result	tory ID:	T232544-02	Method	Notes
Analyte C29-C40 (MORO)	Labora Result 52	tory ID: Reporting Limit	T232544-02 Units mg/kg	Method EPA 8015B	Notes
Analyte C29-C40 (MORO) Arsenic	Labora Result 52 5.7	tory ID: Reporting Limit 10 2.0	T232544-02 Units mg/kg mg/kg	Method EPA 8015B EPA 6010b	Notes
Analyte C29-C40 (MORO) Arsenic Barium	Labora Result 52 5.7 120	Reporting Limit 10 2.0 1.0	Units mg/kg mg/kg mg/kg	Method EPA 8015B EPA 6010b EPA 6010b	Notes
Analyte C29-C40 (MORO) Arsenic Barium Chromium	Labora Result 52 5.7 120 12	Reporting Limit 10 2.0 1.0 2.0	Units mg/kg mg/kg mg/kg mg/kg	Method EPA 8015B EPA 6010b EPA 6010b EPA 6010b	Notes
Analyte C29-C40 (MORO) Arsenic Barium Chromium Cobalt	Labora Result 52 5.7 120 12 8.9	Reporting Limit 10 2.0 1.0 2.0 2.0	Units mg/kg mg/kg mg/kg mg/kg mg/kg	Method EPA 8015B EPA 6010b EPA 6010b EPA 6010b EPA 6010b	Notes
Analyte C29-C40 (MORO) Arsenic Barium Chromium Cobalt Copper	Labora Result 52 5.7 120 12 8.9 16	tory ID: Reporting Limit 10 2.0 1.0 2.0 2.0 1.0	Units mg/kg mg/kg mg/kg mg/kg mg/kg	Method EPA 8015B EPA 6010b EPA 6010b EPA 6010b EPA 6010b EPA 6010b	Notes
Analyte C29-C40 (MORO) Arsenic Barium Chromium Cobalt Copper Lead	Labora Result 52 5.7 120 12 8.9 16 10	tory ID: Reporting Limit 10 2.0 1.0 2.0 2.0 1.0 3.0	Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Method EPA 8015B EPA 6010b EPA 6010b EPA 6010b EPA 6010b EPA 6010b EPA 6010b	Notes
Analyte C29-C40 (MORO) Arsenic Barium Chromium Cobalt Copper Lead Nickel	Labora Result 52 5.7 120 12 8.9 16 10 11	tory ID: Reporting Limit 10 2.0 1.0 2.0 2.0 1.0 3.0 2.0	Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Method EPA 8015B EPA 6010b	Notes
Analyte C29-C40 (MORO) Arsenic Barium Chromium Cobalt Copper Lead Nickel Vanadium	Labora Result 52 5.7 120 12 8.9 16 10 11 36	Reporting Limit 10 2.0 1.0 2.0 2.0 3.0 2.0 5.0	Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Method EPA 8015B EPA 6010b	Notes
Analyte C29-C40 (MORO) Arsenic Barium Chromium Cobalt Copper Lead Nickel Vanadium Zinc	Labora Result 52 5.7 120 12 8.9 16 10 11 36 55	Reporting Limit 10 2.0 1.0 2.0 2.0 2.0 2.0 5.0 1.0	Units mg/kg	Method EPA 8015B EPA 6010b	Notes
Analyte C29-C40 (MORO) Arsenic Barium Chromium Cobalt Copper Lead Nickel Vanadium Zinc Arsenic	Result 52 5.7 120 12 8.9 16 10 11 36 55	tory ID: Reporting Limit 10 2.0 1.0 2.0 2.0 1.0 3.0 2.0 5.0 1.0 0.050	Units mg/kg	Method EPA 8015B EPA 6010b	Notes D-06

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21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

ample ID: SHS-09-0.5		Laborat	Laboratory ID:			
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		120	1.0	mg/kg	EPA 6010b	
Chromium		11	2.0	mg/kg	EPA 6010b	
Cobalt		11	2.0	mg/kg	EPA 6010b	
Copper		12	1.0	mg/kg	EPA 6010b	
Nickel		13	2.0	mg/kg	EPA 6010b	
Vanadium		41	5.0	mg/kg	EPA 6010b	
Zinc		36	1.0	mg/kg	EPA 6010b	
Arsenic		0.56	0.050	mg/kg	6020 ICP-MS	
Sample ID:	SHS-09-0.5D	Laborat	tory ID:	T232544-06		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		82	1.0	mg/kg	EPA 6010b	
Chromium		7.1	2.0	mg/kg	EPA 6010b	
Cobalt		7.7	2.0	mg/kg	EPA 6010b	
Copper		9.8	1.0	mg/kg	EPA 6010b	
Nickel		11	2.0	mg/kg	EPA 6010b	
Vanadium		29	5.0	mg/kg	EPA 6010b	
Zinc		24	1.0	mg/kg	EPA 6010b	
Arsenic		0.81	0.050	mg/kg	6020 ICP-MS	
Sample ID:	SHS-10-0.5	Laborat	tory ID:	T232544-09		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		120	1.0	mg/kg	EPA 6010b	
Chromium		10	2.0	mg/kg	EPA 6010b	
Cobalt		10	2.0	mg/kg	EPA 6010b	
Copper		12	1.0	mg/kg	EPA 6010b	
		6.0	3.0	mg/kg	EPA 6010b	
Lead					ED + 60101	
Lead Nickel		12	2.0	mg/kg	EPA 6010b	
		12 42	2.0 5.0	mg/kg mg/kg	EPA 6010b EPA 6010b	
Nickel						

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21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
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		T232544-12	tory ID:	Labor	SHS-11-0.5	Sample ID:
	·		Reporting			
N	Method	Units	Limit	Result		Analyte
	EPA 6010b	mg/kg	1.0	120		Barium
	EPA 6010b	mg/kg	2.0	11		Chromium
	EPA 6010b	mg/kg	2.0	10		Cobalt
	EPA 6010b	mg/kg	1.0	13		Copper
	EPA 6010b	mg/kg	3.0	3.9		Lead
	EPA 6010b	mg/kg	2.0	11		Nickel
	EPA 6010b	mg/kg	5.0	38		Vanadium
	EPA 6010b	mg/kg	1.0	42		Zinc
	6020 ICP-MS	mg/kg	0.050	1.3		Arsenic
		T232544-15	itory ID:	Labor	SHS-12-0.5	Sample ID:
			Reporting			
N	Method	Units	Limit	Result		Analyte
	EPA 6010b	mg/kg	1.0	160		Barium
	EPA 6010b	mg/kg	2.0	12		Chromium
	EPA 6010b	mg/kg	2.0	11		Cobalt
	EPA 6010b	mg/kg	1.0	15		Copper
	EPA 6010b	mg/kg	2.0	11		Nickel
	EPA 6010b	mg/kg	5.0	46		Vanadium
	EPA 6010b	mg/kg	1.0	49		Zinc
	6020 ICP-MS	mg/kg	0.050	2.9		Arsenic
		T232544-18	tory ID:	Labor	SHS-17-0.5	Sample ID:
			Reporting			
N	Method	Units	Limit	Result		Analyte
	EPA 6010b	mg/kg	1.0	150		Barium
	EPA 6010b	mg/kg	2.0	12		Chromium
	EPA 6010b	mg/kg	2.0	11		Cobalt
	EPA 6010b	mg/kg	1.0	14		Copper
	EPA 6010b	mg/kg	2.0	15		Nickel
	EPA 6010b	mg/kg	5.0	42		Vanadium
	EPA 6010b	mg/kg	1.0	43		Zinc

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21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported: Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Sample ID:	SHS-17-0.5D	Labora	tory ID:	T232544-19		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		190	1.0	mg/kg	EPA 6010b	
Chromium		15	2.0	mg/kg	EPA 6010b	
Cobalt		13	2.0	mg/kg	EPA 6010b	
Copper		18	1.0	mg/kg	EPA 6010b	
Nickel		17	2.0	mg/kg	EPA 6010b	
Vanadium		53	5.0	mg/kg	EPA 6010b	
Zinc		55	1.0	mg/kg	EPA 6010b	
Arsenic		2.3	0.050	mg/kg	6020 ICP-MS	
Sample ID:	SHS-18-0.5	Labora	tory ID:	T232544-22		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		240	1.0	mg/kg	EPA 6010b	
Chromium		14	2.0	mg/kg	EPA 6010b	
Cobalt		14	2.0	mg/kg	EPA 6010b	
Copper		18	1.0	mg/kg	EPA 6010b	
Nickel		11	2.0	mg/kg	EPA 6010b	
Vanadium		56	5.0	mg/kg	EPA 6010b	
Zinc		59	1.0	mg/kg	EPA 6010b	
Arsenic		4.3	0.050	mg/kg	6020 ICP-MS	
Sample ID:	SHS-19-0.5	Labora	tory ID:	T232544-25		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		150	1.0	mg/kg	EPA 6010b	
Chromium		11	2.0	mg/kg	EPA 6010b	
Cobalt		10	2.0	mg/kg	EPA 6010b	
Copper		13	1.0	mg/kg	EPA 6010b	
Nickel		9.8	2.0	mg/kg	EPA 6010b	
Vanadium		40	5.0	mg/kg	EPA 6010b	
Zinc		41	1.0	mg/kg	EPA 6010b	

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		T232544-27	tory ID:	Labora	SHS-20-0.5	Sample ID:
			Reporting			
Notes	Method	Units	Limit	Result		Analyte
	EPA 6010b	mg/kg	1.0	230		Barium
	EPA 6010b	mg/kg	2.0	16		Chromium
	EPA 6010b	mg/kg	2.0	14		Cobalt
	EPA 6010b	mg/kg	1.0	20		Copper
	EPA 6010b	mg/kg	3.0	4.5		Lead
	EPA 6010b	mg/kg	2.0	13		Nickel
	EPA 6010b	mg/kg	5.0	58		Vanadium
	EPA 6010b	mg/kg	1.0	62		Zinc
	6020 ICP-MS	mg/kg	0.050	3.4		Arsenic
		T232544-30	tory ID:	Labora	SHS-21-0.5	Sample ID:
			Reporting			
Notes	Method	Units	Limit	Result		Analyte
	EPA 6010b	mg/kg	1.0	160		Barium
	EPA 6010b	mg/kg	2.0	12		Chromium
	EPA 6010b	mg/kg	2.0	11		Cobalt
	EPA 6010b	mg/kg	1.0	15		Copper
	EPA 6010b	mg/kg	2.0	12		Nickel
	EPA 6010b	mg/kg	5.0	44		Vanadium
	EPA 6010b	mg/kg	1.0	45		Zinc
	6020 ICP-MS	mg/kg	0.050	2.0		Arsenic
		T232544-32	tory ID:	Labora	SHS-22-0.5	Sample ID:
			Reporting			
Notes	Method	Units	Limit	Result		Analyte
	EPA 6010b	mg/kg	1.0	140		Barium
	EPA 6010b	mg/kg	2.0	13		Chromium
	EPA 6010b	mg/kg	2.0	11		Cobalt
	EPA 6010b	mg/kg	1.0	14		Copper
	EPA 6010b	mg/kg	2.0	18		Nickel
	EPA 6010b	mg/kg	5.0	47		Vanadium
	EPA 6010b	mg/kg	1.0	43		Zinc

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Sample ID:	SHS-23-0.5	Labora	tory ID:	T232544-35		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		100	1.0	mg/kg	EPA 6010b	
Chromium		9.1	2.0	mg/kg	EPA 6010b	
Cobalt		9.0	2.0	mg/kg	EPA 6010b	
Copper		10	1.0	mg/kg	EPA 6010b	
Nickel		11	2.0	mg/kg	EPA 6010b	
Vanadium		38	5.0	mg/kg	EPA 6010b	
Zinc		32	1.0	mg/kg	EPA 6010b	
Arsenic		1.0	0.050	mg/kg	6020 ICP-MS	
Sample ID:	SHS-24-0.5	Labora	tory ID:	T232544-38		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		130	1.0	mg/kg	EPA 6010b	
Chromium		12	2.0	mg/kg	EPA 6010b	
Cobalt		10	2.0	mg/kg	EPA 6010b	
Copper		14	1.0	mg/kg	EPA 6010b	
Lead		3.9	3.0	mg/kg	EPA 6010b	
Nickel		14	2.0	mg/kg	EPA 6010b	
Vanadium		42	5.0	mg/kg	EPA 6010b	
Zinc		44	1.0	mg/kg	EPA 6010b	
Arsenic		2.1	0.050	mg/kg	6020 ICP-MS	
Sample ID:	SHS-25-0.5	Labora	tory ID:	T232544-41		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		150	1.0	mg/kg	EPA 6010b	
Chromium		13	2.0	mg/kg	EPA 6010b	
Cobalt		11	2.0	mg/kg	EPA 6010b	
Copper		17	1.0	mg/kg	EPA 6010b	
Lead		6.3	3.0	mg/kg	EPA 6010b	
Nickel		17	2.0	mg/kg	EPA 6010b	
Vanadium		49	5.0	mg/kg	EPA 6010b	
		52	1.0	mg/kg	EPA 6010b	
Zinc		53	1.0	mg/kg	L171 00100	

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SHS-33-0.5

Sample ID:

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21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Laboratory ID:

T232544-43

			Reporting			
Analyte		Result	Limit	Units	Method	Notes
C29-C40 (MOI	RO)	34	10	mg/kg	EPA 8015B	D-06
Arsenic		6.3	2.0	mg/kg	EPA 6010b	
Barium		100	1.0	mg/kg	EPA 6010b	
Chromium		11	2.0	mg/kg	EPA 6010b	
Cobalt		7.7	2.0	mg/kg	EPA 6010b	
Copper		19	1.0	mg/kg	EPA 6010b	
Lead		11	3.0	mg/kg	EPA 6010b	
Nickel		15	2.0	mg/kg	EPA 6010b	
Vanadium		34	5.0	mg/kg	EPA 6010b	
Zinc		56	1.0	mg/kg	EPA 6010b	
Arsenic		7.1	0.050	mg/kg	6020 ICP-MS	
Dieldrin		6.3	5.0	ug/kg	EPA 8081A	
Acetone		37	2.5	ug/kg	EPA 8260B/5035	5035A
ample ID: SHS-34-0.5		Laborat	tory ID:	T232544-46		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		98	1.0	mg/kg	EPA 6010b	
Chromium		9.7	2.0	mg/kg	EPA 6010b	
Cobalt		7.4	2.0	mg/kg	EPA 6010b	
Copper		18	1.0	mg/kg	EPA 6010b	
Lead		8.1	3.0	mg/kg	EPA 6010b	
Nickel		13	2.0	mg/kg	EPA 6010b	
Vanadium		32	5.0	mg/kg	EPA 6010b	
Zinc		47	1.0	mg/kg	EPA 6010b	
Arsenic		2.2	0.050	mg/kg	6020 ICP-MS	
Dieldrin		24	5.0	ug/kg	EPA 8081A	
Sample ID:	SHS-35-0.5	Laborat	tory ID:	T232544-49		
Sample ID:	SHS-35-0.5	Labora		T232544-49		
Sample ID:	SHS-35-0.5	Laborat Result	tory ID: Reporting Limit	T232544-49 Units	Method	Notes
•	SHS-35-0.5		Reporting		Method EPA 6010b	Notes
Analyte	SHS-35-0.5	Result	Reporting Limit	Units		Notes
Analyte Barium	SHS-35-0.5	Result 150	Reporting Limit	Units mg/kg	EPA 6010b	Notes

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Sample ID:	SHS-35-0.5	Labora	tory ID:	T232544-49		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		3.7	3.0	mg/kg	EPA 6010b	
Nickel		14	2.0	mg/kg	EPA 6010b	
Vanadium		46	5.0	mg/kg	EPA 6010b	
Zinc		48	1.0	mg/kg	EPA 6010b	
Arsenic		2.0	0.050	mg/kg	6020 ICP-MS	
Sample ID:	SHS-36-0.5	Labora	tory ID:	T232544-52		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		140	1.0	mg/kg	EPA 6010b	
Chromium		12	2.0	mg/kg	EPA 6010b	
Cobalt		10	2.0	mg/kg	EPA 6010b	
Copper		15	1.0	mg/kg	EPA 6010b	
Nickel		11	2.0	mg/kg	EPA 6010b	
Vanadium		43	5.0	mg/kg	EPA 6010b	
Zinc		45	1.0	mg/kg	EPA 6010b	
Arsenic		2.9	0.050	mg/kg	6020 ICP-MS	
Sample ID:	SHS-37-0.5	Labora	tory ID:	T232544-55		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		140	1.0	mg/kg	EPA 6010b	
Chromium		12	2.0	mg/kg	EPA 6010b	
Cobalt		10	2.0	mg/kg	EPA 6010b	
Copper		13	1.0	mg/kg	EPA 6010b	
Nickel		12	2.0	mg/kg	EPA 6010b	
Vanadium		41	5.0	mg/kg	EPA 6010b	
Zinc		44	1.0	mg/kg	EPA 6010b	
Arsenic		3.1	0.050	mg/kg	6020 ICP-MS	
Sample ID:	SHS-38-0.5	Labora	tory ID:	T232544-58		
			Reporting			
		Result	Limit	Units	Method	Notes
Analyte		ixcourt	Limit	Cinto	Michiga	11000

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21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
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Sample ID: SHS-38-0.5	Labor	atory ID:	T232544-58		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Barium	130	1.0	mg/kg	EPA 6010b	
Chromium	12	2.0	mg/kg	EPA 6010b	
Cobalt	9.6	2.0	mg/kg	EPA 6010b	
Copper	13	1.0	mg/kg	EPA 6010b	
Nickel	12	2.0	mg/kg	EPA 6010b	
Vanadium	38	5.0	mg/kg	EPA 6010b	
Zinc	39	1.0	mg/kg	EPA 6010b	
Arsenic	2.3	0.050	mg/kg	6020 ICP-MS	
Acetone	18	2.3	ug/kg	EPA 8260B/5035	5035A

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21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-01-0.5 T232544-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbons	by 8015B								
C6-C12 (GRO)	ND	10	mg/kg	1	23I0065	09/06/23	09/07/23	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	47	10	"	"	"	"	"	n .	D-06
Surrogate: p-Terphenyl		95.5 %	65-1	135	"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	2310070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	7.7	2.0	"	"	"	"	"	"	
Barium	160	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	09/07/23	"	
Cadmium	ND	2.0	"	"	"	"	09/07/23	"	
Chromium	16	2.0	"	"	"	"	"	"	
Cobalt	12	2.0	"	"	"	"	"	"	
Copper	24	1.0	"	"	"	"	"	"	
Lead	16	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	15	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	48	5.0	"	"	"	"	"	"	
Zinc	82	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	8.1	0.050	mg/kg	1	23I0062	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-01-0.5 T232544-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Cold Vapor Extraction EPA 7470/74	171								
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA	Method 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	6.8	5.0	"	"	"	"	"	"	
Dieldrin	9.1	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		55.7 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		18.5 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-01-0.5 T232544-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Polychlorinated Biphenyls by EPA Mo	ethod 8082								
Aroclor-1016	ND	10	ug/kg	1	23I0066	09/06/23	09/06/23	EPA 8082	
Aroclor-1221	ND	10	"	"	"	"	"	"	
Aroclor-1232	ND	10	"	"	"	"	"	"	
Aroclor-1242	ND	10	"	"	"	"	"	"	
Aroclor-1248	ND	10	"	"	"	"	"	"	
Aroclor-1254	ND	10	"	"	"	"	"	"	
Aroclor-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		87.1 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		49.9 %	35-	140	"	"	"	"	
Volatile Organic Compounds by EPA	Method 8260B								
Bromobenzene	ND	1.9	ug/kg	1	23I0050	09/06/23	09/06/23	EPA 8260B/5035	
Bromochloromethane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	1.9	"	"	"	"	"	"	
Bromoform	ND	1.9	"	"	"	"	"	"	
Bromomethane	ND	1.9	"	"	"	"	"	"	
n-Butylbenzene	ND	1.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.9	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Chloroethane	ND	1.9	"	"	"	"	"	"	
Chloroform	ND	1.9	"	"	"	"	"	"	
Chloromethane	ND	1.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
Dibromochloromethane	ND	1.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	3.8	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.9	"	"	"	"	"	"	
Dibromomethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-01-0.5 T232544-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Volatile Organic Compounds by EP.	A Method 8260B								
1,4-Dichlorobenzene	ND	1.9	ug/kg	1	23I0050	09/06/23	09/06/23	EPA 8260B/5035	
Dichlorodifluoromethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.9	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.9	"	"	"	"	"	"	
Isopropylbenzene	ND	1.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.9	"	"	"	"	"	"	
Methylene chloride	ND	7.7	"	"	"	"	"	"	
Naphthalene	ND	1.9	"	"	"	"	"	"	
n-Propylbenzene	ND	1.9	"	"	"	"	"	"	
Styrene	ND	1.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.9	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.9	"	"	"	"	"	"	
Tetrachloroethene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.9	"	"	"	"	"	"	
Trichloroethene	ND	1.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.9	,,	"	"	"	"	,,	
1,2,3-Trichloropropane	ND	1.9	,,	"	"	"	"	,,	
1,3,5-Trimethylbenzene	ND	1.9	"	"	,,	"	,,	,,	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-01-0.5 T232544-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
1,2,4-Trimethylbenzene	ND	1.9	ug/kg	1	23I0050	09/06/23	09/06/23	EPA 8260B/5035	
Vinyl chloride	ND	1.9	"	"	"	"	"	"	
Benzene	ND	1.9	"	"	"	"	"	"	
Toluene	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.9	"	"	"	"	"	"	
m,p-Xylene	ND	3.8	"	"	"	"	"	"	
o-Xylene	ND	1.9	"	"	"	"	"	"	
Acetone	34	1.9	"	"	"	"	"	"	5035A
Methyl ethyl ketone	ND	3.8	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	3.8	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	1.9	"	"	"	"	"	"	
Surrogate: Toluene-d8		94.2 %	76.1	-127	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.7 %	85.9	-114	"	"	"	"	
Surrogate: Dibromofluoromethane		104 %	77.8	-142	"	"	"	"	
			_						
Polynuclear Aromatic Compounds by									
Acenaphthene	ND	10	ug/kg	1	2310059	09/06/23	09/08/23	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-01-0.5 T232544-01 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Pyrene	ND	10	ug/kg	1	23I0059	09/06/23	09/08/23	EPA 8270C SIM	
Surrogate: Terphenyl-dl4		105 %	18-137		"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-01-0.5D T232544-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbons	s by 8015B								
C6-C12 (GRO)	ND	10	mg/kg	1	2310065	09/06/23	09/07/23	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	52	10	"	"	"	"	"	"	D-06
Surrogate: p-Terphenyl		90.9 %	65-1	135	"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	2310070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	5.7	2.0	"	"	"	"	"	"	
Barium	120	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	12	2.0	"	"	"	"	"	"	
Cobalt	8.9	2.0	"	"	"	"	"	"	
Copper	16	1.0	"	"	"	"	"	"	
Lead	10	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	11	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	36	5.0	"	"	"	"	"	"	
Zinc	55	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	9.7	0.050	mg/kg	1	23I0062	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-01-0.5D T232544-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Cold Vapor Extraction EPA 7470/747	1								
Mercury	0.12	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Me	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	8.8	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		70.0 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		24.1 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-01-0.5D T232544-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Polychlorinated Biphenyls by EPA Me	ethod 8082								
Aroclor-1016	ND	10	ug/kg	1	23I0066	09/06/23	09/06/23	EPA 8082	
Aroclor-1221	ND	10	"	"	"	"	"	"	
Aroclor-1232	ND	10	"	"	"	"	"	"	
Aroclor-1242	ND	10	"	"	"	"	"	"	
Aroclor-1248	ND	10	"	"	"	"	"	"	
Aroclor-1254	ND	10	"	"	"	"	"	"	
Aroclor-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		93.1 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		44.8 %	35-	140	"	"	"	"	
Volatile Organic Compounds by EPA	Method 8260B								
Bromobenzene	ND	2.2	ug/kg	1	23I0050	09/06/23	09/06/23	EPA 8260B/5035	
Bromochloromethane	ND	2.2	"	"	"	"	"	"	
Bromodichloromethane	ND	2.2	"	"	"	"	"	"	
Bromoform	ND	2.2	"	"	"	"	"	"	
Bromomethane	ND	2.2	"	"	"	"	"	"	
n-Butylbenzene	ND	2.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.2	"	"	"	"	"	"	
Chlorobenzene	ND	2.2	"	"	"	"	"	"	
Chloroethane	ND	2.2	"	"	"	"	"	"	
Chloroform	ND	2.2	"	"	"	"	"	"	
Chloromethane	ND	2.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
Dibromochloromethane	ND	2.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.2	"	"	"	"	"	"	
Dibromomethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-01-0.5D T232544-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Volatile Organic Compounds by EPA M	Iethod 8260B								
1,4-Dichlorobenzene	ND	2.2	ug/kg	1	23I0050	09/06/23	09/06/23	EPA 8260B/5035	
Dichlorodifluoromethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.2	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.2	"	"	"	"	"	"	
Isopropylbenzene	ND	2.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.2	"	"	"	"	"	"	
Methylene chloride	ND	8.9	"	"	"	"	"	"	
Naphthalene	ND	2.2	"	"	"	"	"	"	
n-Propylbenzene	ND	2.2	"	"	"	"	"	"	
Styrene	ND	2.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.2	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.2	"	"	"	"	"	"	
Tetrachloroethene	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.2	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-01-0.5D T232544-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
1,2,4-Trimethylbenzene	ND	2.2	ug/kg	1	23I0050	09/06/23	09/06/23	EPA 8260B/5035	
Vinyl chloride	ND	2.2	"	"	"	"	"	"	
Benzene	ND	2.2	"	"	"	"	"	"	
Toluene	ND	2.2	"	"	"	"	"	"	
Ethylbenzene	ND	2.2	"	"	"	"	"	"	
m,p-Xylene	ND	4.5	"	"	"	"	"	"	
o-Xylene	ND	2.2	"	"	"	"	"	"	
Acetone	38	2.2	"	"	"	"	"	"	5035A
Methyl ethyl ketone	ND	4.5	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	4.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	2.2	"	"	"	"	"	"	
Surrogate: Toluene-d8		96.3 %	76.1	-127	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.7 %	85.9	-114	"	"	"	"	
Surrogate: Dibromofluoromethane		103 %	77.8	-142	"	"	"	"	
Polynuclear Aromatic Compounds by									
Acenaphthene	ND	10	ug/kg	1	23I0059	09/06/23	09/08/23	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
10010110110	ND								
	ND ND	10	"	"	"	"	"	"	
Fluorene Indeno (1,2,3-cd) pyrene		10 5.0	"	"	"	"	"	"	
Fluorene	ND								

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-01-0.5D T232544-02 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Pyrene	ND	10	ug/kg	1	23I0059	09/06/23	09/08/23	EPA 8270C SIM	
Surrogate: Ternhenvl-dl4		996%	18-137		"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-09-0.5 T232544-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	2310070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	120	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	09/07/23	"	
Cadmium	ND	2.0	"	"	"	"	09/07/23	"	
Chromium	11	2.0	"	"	"	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	12	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	13	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	41	5.0	"	"	"	"	"	"	
Zinc	36	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	0.56	0.050	mg/kg	1	23I0062	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/74	171								
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA N	Method 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	,,	,,	,,	,,	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-09-0.5 T232544-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method	d 8081A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		75.9 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		35.8 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-09-0.5D T232544-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	82	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	7.1	2.0	"	"	"	"	"	"	
Cobalt	7.7	2.0	"	"	"	"	"	"	
Copper	9.8	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	11	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	29	5.0	"	"	"	"	"	"	
Zinc	24	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	0.81	0.050	mg/kg	1	23I0062	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/747	71								
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA M	lethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,	,,	,,	,,	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-09-0.5D T232544-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Metl	10d 8081A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		71.7 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		34.8 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-10-0.5 T232544-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u> </u>		SunStar L				•	<u> </u>		
Metals by EPA 6010B		Sunstai L	aboi atoi i	es, inc.					
Antimony	ND	4.0	mg/kg	1	2310070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	,,	"	"	"	"	"	
Barium	120	1.0	"	"	"	"	"	•	
Beryllium	ND	1.0		"	"	"	,,	,,	
Cadmium	ND	2.0	"	"	"	"	"	•	
Chromium	10	2.0	"	"	"	"	"	•	
Cobalt	10	2.0	"	"	"	"	"	"	
Copper	12	1.0	"	"	"	"	"	"	
Lead	6.0	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	12	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	42	5.0	"	"	"	"	"	"	
Zinc	40	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	1.0	0.050	mg/kg	1	23I0062	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Metho	od 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,	"	,,	,,	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-10-0.5 T232544-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method	8081A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		71.3 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		37.1 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-11-0.5 T232544-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	120	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	09/07/23	"	
Cadmium	ND	2.0	"	"	"	"	09/07/23	"	
Chromium	11	2.0	"	"	"	"	"	"	
Cobalt	10	2.0	"	"	"	"	"	"	
Copper	13	1.0	"	"	"	"	"	"	
Lead	3.9	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	11	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	38	5.0	"	"	"	"	"	"	
Zinc	42	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	1.3	0.050	mg/kg	1	23I0062	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/747	' 1								
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA M	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,	"	,,	,,	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-11-0.5 T232544-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method	8081A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		69.9 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		38.1 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-12-0.5 T232544-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	2310070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	09/07/23	"	
Arsenic	ND	2.0	"	"	"	"	09/07/23	"	
Barium	160	1.0	"	"	"	"	09/07/23	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	09/07/23	"	
Chromium	12	2.0	"	"	"	"	09/07/23	"	
Cobalt	11	2.0	"	"	"	"	09/07/23	"	
Copper	15	1.0	"	"	"	"	09/07/23	"	
Lead	ND	3.0	"	"	"	"	09/07/23	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	11	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	09/07/23	"	
Vanadium	46	5.0	"	"	"	"	"	"	
Zinc	49	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	2.9	0.050	mg/kg	1	23I0062	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/74	71								
Mercury	ND	0.10	mg/kg	1	2310073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA M	1ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,	,,	,,	,,	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-12-0.5 T232544-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method 80)81A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		48.8 %	35	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		15.3 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-17-0.5 T232544-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	150	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	12	2.0	"	"	"	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	14	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	15	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	42	5.0	"	"	"	"	"	"	
Zinc	43	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	2.3	0.050	mg/kg	1	23I0062	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Met	thod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,	,,	,,	,,	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-17-0.5 T232544-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method	d 8081A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		73.3 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		36.4 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-17-0.5D T232544-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	2310070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	190	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	09/07/23	"	
Cadmium	ND	2.0	"	"	"	"	09/07/23	"	
Chromium	15	2.0	"	"	"	"	"	"	
Cobalt	13	2.0	"	"	"	"	"	"	
Copper	18	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	17	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	53	5.0	"	"	"	"	"	"	
Zinc	55	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	2.3	0.050	mg/kg	1	23I0062	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/74	l71								
Mercury	ND	0.10	mg/kg	1	2310073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA M	Method 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	,,	,,	,,	,,	,,	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-17-0.5D T232544-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method	od 8081A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		68.3 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		36.8 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-18-0.5 T232544-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	240	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	14	2.0	"	"	"	"	"	"	
Cobalt	14	2.0	"	"	"	"	"	"	
Copper	18	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	11	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	56	5.0	"	"	"	"	"	"	
Zinc	59	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	4.3	0.050	mg/kg	1	23I0062	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Met	thod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,					

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-18-0.5 T232544-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method 803	81A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		67.8 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		34.2 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-19-0.5 T232544-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	150	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	09/07/23	"	
Cadmium	ND	2.0	"	"	"	"	09/07/23	"	
Chromium	11	2.0	"	"	"	"	"	"	
Cobalt	10	2.0	"	"	"	"	"	"	
Copper	13	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	9.8	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	40	5.0	"	"	"	"	"	"	
Zinc	41	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	2.4	0.050	mg/kg	1	23I0062	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Met	hod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,	,,	,,	,,	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-19-0.5 T232544-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method 8	081A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		68.0 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		35.8 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-20-0.5 T232544-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	230	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	16	2.0	"	"	"	"	"	"	
Cobalt	14	2.0	"	"	"	"	"	"	
Copper	20	1.0	"	"	"	"	"	"	
Lead	4.5	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	13	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	58	5.0	"	"	"	"	"	"	
Zinc	62	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	3.4	0.050	mg/kg	1	23I0062	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471	1								
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Me	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	,,	,,	,,	,,	,,		

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-20-0.5 T232544-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method 8	8081A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		77.0 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		41.0 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-21-0.5 T232544-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	160	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	09/07/23	"	
Cadmium	ND	2.0	"	"	"	"	09/07/23	"	
Chromium	12	2.0	"	"	"	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	15	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	12	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	44	5.0	"	"	"	"	"	"	
Zinc	45	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	2.0	0.050	mg/kg	1	23I0068	09/06/23	09/07/23	6020 ICP-MS	
Гhallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/74	71								
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA N	1ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	,,	"	"	
gamma-Chlordane	ND	5.0	"	,,	,,	,,	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-21-0.5 T232544-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method 8)81A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0067	09/06/23	09/07/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		70.7 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		38.1 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-22-0.5 T232544-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	09/07/23	"	
Arsenic	ND	2.0	"	"	"	"	09/07/23	"	
Barium	140	1.0	"	"	"	"	09/07/23	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	09/07/23	"	
Chromium	13	2.0	"	"	"	"	09/07/23	"	
Cobalt	11	2.0	"	"	"	"	09/07/23	"	
Copper	14	1.0	"	"	"	"	09/07/23	"	
Lead	ND	3.0	"	"	"	"	09/07/23	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	18	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	09/07/23	"	
Vanadium	47	5.0	"	"	"	"	"	"	
Zinc	43	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	1.3	0.050	mg/kg	1	23I0068	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/747	1								
Mercury	ND	0.10	mg/kg	1	2310073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA M									
alpha-BHC	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,	,,	,,	,,	,,	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-22-0.5 T232544-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method 80)81A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		72.1 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		42.9 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-23-0.5 T232544-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	100	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	9.1	2.0	"	"	"	"	"	"	
Cobalt	9.0	2.0	"	"	"	"	"	"	
Copper	10	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	11	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	38	5.0	"	"	"	"	"	"	
Zinc	32	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	1.0	0.050	mg/kg	1	23I0068	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Met	thod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,	,,	,,	,,	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-23-0.5 T232544-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method 8	081A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		68.7 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		42.2 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-24-0.5 T232544-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	130	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	09/07/23	"	
Cadmium	ND	2.0	"	"	"	"	09/07/23	"	
Chromium	12	2.0	"	"	"	"	"	"	
Cobalt	10	2.0	"	"	"	"	"	"	
Copper	14	1.0	"	"	"	"	"	"	
Lead	3.9	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	14	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	42	5.0	"	"	"	"	"	"	
Zinc	44	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	2.1	0.050	mg/kg	1	23I0068	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/74	71								
Mercury	ND	0.10	mg/kg	1	2310073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA M	Method 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	n	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,	"	,,	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-24-0.5 T232544-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Mo	ethod 8081A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		71.6 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		39.7 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-25-0.5 T232544-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	2310070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	150	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	09/07/23	"	
Cadmium	ND	2.0	"	"	"	"	09/07/23	"	
Chromium	13	2.0	"	"	"	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	17	1.0	"	"	"	"	"	"	
Lead	6.3	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	17	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	49	5.0	"	"	"	"	"	"	
Zinc	53	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	2.8	0.050	mg/kg	1	23I0068	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Meth	od 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	n	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
1 1	1.12	5.0							

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-25-0.5 T232544-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method 808	31A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		71.3 %	35	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		33.7 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-33-0.5 T232544-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbon	s by 8015B								
C6-C12 (GRO)	ND	10	mg/kg	1	2310065	09/06/23	09/07/23	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	34	10	"	"	"	"	"	"	D-06
Surrogate: p-Terphenyl		95.8 %	65-1	135	"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	6.3	2.0	"	"	"	"	"	"	
Barium	100	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	11	2.0	"	"	"	"	"	"	
Cobalt	7.7	2.0	"	"	"	"	"	"	
Copper	19	1.0	"	"	"	"	"	"	
Lead	11	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	15	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	34	5.0	"	"	"	"	"	"	
Zinc	56	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	7.1	0.050	mg/kg	1	23I0068	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-33-0.5 T232544-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Cold Vapor Extraction EPA 7470/747	1								
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA M	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	6.3	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		63.6 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		18.4 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-33-0.5 T232544-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Polychlorinated Biphenyls by EPA Met	thod 8082								
Aroclor-1016	ND	10	ug/kg	1	23I0066	09/06/23	09/06/23	EPA 8082	
Aroclor-1221	ND	10	"	"	"	"	"	"	
Aroclor-1232	ND	10	"	"	"	"	"	"	
Aroclor-1242	ND	10	"	"	"	"	"	"	
Aroclor-1248	ND	10	"	"	"	"	"	"	
Aroclor-1254	ND	10	"	"	"	"	"	"	
Aroclor-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		86.4 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		40.6 %	35-	140	"	"	"	"	
Volatile Organic Compounds by EPA M	Aethod 8260B								
Bromobenzene	ND	2.5	ug/kg	1	23I0050	09/06/23	09/06/23	EPA 8260B/5035	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-33-0.5 T232544-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Volatile Organic Compounds by EP.	A Method 8260B								
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	23I0050	09/06/23	09/06/23	EPA 8260B/5035	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	,,	"	"	"	"	,,	
1,2,3-Trichloropropane	ND	2.5	,,	,,	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	,,	,,	,,	,,	,,	,,	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-33-0.5 T232544-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
1,2,4-Trimethylbenzene	ND	2.5	ug/kg	1	23I0050	09/06/23	09/06/23	EPA 8260B/5035	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Acetone	37	2.5	"	"	"	"	"	"	5035A
Methyl ethyl ketone	ND	5.0	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	5.0	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	2.5	"	"	"	"	"	"	
Surrogate: Toluene-d8		97.1 %	76.1	-127	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	85.9	-114	"	"	"	"	
Surrogate: Dibromofluoromethane		103 %	77.8	-142	"	"	"	"	
Polynuclear Aromatic Compounds by	v GC/MS with Selecte	d Ion Monito	ring						
Acenaphthene	ND	10	ug/kg	1	2310059	09/06/23	09/08/23	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
			"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"					
· · · · ·	ND ND	10 5.0	"	"	"	"	"	"	
Chrysene						"	"	"	
Chrysene Dibenz (a,h) anthracene	ND	5.0	"	"	"				
Chrysene Dibenz (a,h) anthracene Fluoranthene	ND ND	5.0 5.0	"	"	"	"	"	"	
Benzo (a) pyrene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene	ND ND ND	5.0 5.0 5.0	" "	" "	"	"	"	" "	
Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene	ND ND ND ND	5.0 5.0 5.0 10	" "	" "	11 11	"	" "	" "	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-33-0.5 T232544-43 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Pyrene	ND	10	ug/kg	1	2310059	09/06/23	09/08/23	EPA 8270C SIM	
Surrogate: Ternhenyl-dl4		102 %	18-137		"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-34-0.5 T232544-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u> </u>						1	, , , , , , , , , , , , , , , , , , , ,		
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	98	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	09/07/23	"	
Cadmium	ND	2.0	"	"	"	"	09/07/23	"	
Chromium	9.7	2.0	"	"	"	"	"	"	
Cobalt	7.4	2.0	"	"	"	"	"	"	
Copper	18	1.0	"	"	"	"	"	"	
Lead	8.1	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	13	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	32	5.0	"	"	"	"	"	"	
Zinc	47	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	2.2	0.050	mg/kg	1	23I0068	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Metho	d 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
1 F		2.0							

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-34-0.5 T232544-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Me	ethod 8081A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	24	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		64.3 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		34.2 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-35-0.5 T232544-49 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0070	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	150	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	13	2.0	"	"	"	"	"	"	
Cobalt	12	2.0	"	"	"	"	"	"	
Copper	16	1.0	"	"	"	"	"	"	
Lead	3.7	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	14	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	46	5.0	"	"	"	"	"	"	
Zinc	48	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	2.0	0.050	mg/kg	1	23I0068	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/74	71								
Mercury	ND	0.10	mg/kg	1	23I0073	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA M	1ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,	"	,,	,,	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-35-0.5 T232544-49 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method 808	1A								
alpha-Chlordane	ND	5.0	ug/kg	1	2310069	09/06/23	09/08/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		72.9 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		40.1 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-36-0.5 T232544-52 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u>. </u>		SunStar L				•			
Metals by EPA 6010B		Sunstai L	avoi atul l	, 111.					
Antimony	ND	4.0	mg/kg	1	2310076	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	140	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	12	2.0	"	"	"	"	"	"	
Cobalt	10	2.0	"	"	"	"	"	"	
Copper	15	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	11	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	43	5.0	"	"	"	"	"	"	
Zinc	45	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	2.9	0.050	mg/kg	1	23I0068	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0077	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method	I 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,	"	,,	,,	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-36-0.5 T232544-52 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Organochlorine Pesticides by EPA Method 808	1A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		62.1 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		34.2 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-37-0.5 T232544-55 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0076	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	140	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	09/07/23	"	
Cadmium	ND	2.0	"	"	"	"	09/07/23	"	
Chromium	12	2.0	"	"	"	"	"	"	
Cobalt	10	2.0	"	"	"	"	"	"	
Copper	13	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	12	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	41	5.0	"	"	"	"	"	"	
Zinc	44	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	3.1	0.050	mg/kg	1	23I0068	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/747	1								
Mercury	ND	0.10	mg/kg	1	2310077	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA M	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,	,,	,,	,,	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-37-0.5 T232544-55 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method 8	081A								
alpha-Chlordane	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		64.3 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		37.1 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-38-0.5 T232544-58 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbons	by 8015B								
C6-C12 (GRO)	ND	10	mg/kg	1	23I0065	09/06/23	09/07/23	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	16	10	"	"	"	"	"	"	D-06
Surrogate: p-Terphenyl		98.2 %	65-	135	"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0076	09/06/23	09/07/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	130	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	09/07/23	"	
Cadmium	ND	2.0	"	"	"	"	09/07/23	"	
Chromium	12	2.0	"	"	"	"	"	"	
Cobalt	9.6	2.0	"	"	"	"	"	"	
Copper	13	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	12	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	38	5.0	"	"	"	"	"	"	
Zinc	39	1.0	"	"	"	"	"	"	
Metals by EPA 6020 Method									
Arsenic	2.3	0.050	mg/kg	1	23I0068	09/06/23	09/07/23	6020 ICP-MS	
Thallium	ND	0.25	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-38-0.5 T232544-58 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1 mary to	Result	Limit	Omis	Dilution	Dateii	1 repared	Allatyzeu	Wicthod	Tioles
		SunStar L	aboratori	es, Inc.					
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0077	09/06/23	09/11/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Me	thod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0069	09/06/23	09/08/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		68.7 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		40.7 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-38-0.5 T232544-58 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Polychlorinated Biphenyls by EPA Met	hod 8082								
Aroclor-1016	ND	10	ug/kg	1	23I0066	09/06/23	09/06/23	EPA 8082	
Aroclor-1221	ND	10	"	"	"	"	"	"	
Aroclor-1232	ND	10	"	"	"	"	"	"	
Aroclor-1242	ND	10	"	"	"	"	"	"	
Aroclor-1248	ND	10	"	"	"	"	"	"	
Aroclor-1254	ND	10	"	"	"	"	"	"	
Aroclor-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		105 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		80.8 %	35-	140	"	"	"	"	
Volatile Organic Compounds by EPA M	1ethod 8260B								
Bromobenzene	ND	2.3	ug/kg	1	23I0050	09/06/23	09/06/23	EPA 8260B/5035	
Bromochloromethane	ND	2.3	"	"	"	"	"	"	
Bromodichloromethane	ND	2.3	"	"	"	"	"	"	
Bromoform	ND	2.3	"	"	"	"	"	"	
Bromomethane	ND	2.3	"	"	"	"	"	"	
n-Butylbenzene	ND	2.3	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.3	"	"	"	"	"	"	
Chlorobenzene	ND	2.3	"	"	"	"	"	"	
Chloroethane	ND	2.3	"	"	"	"	"	"	
Chloroform	ND	2.3	"	"	"	"	"	"	
Chloromethane	ND	2.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
Dibromochloromethane	ND	2.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.3	"	"	"	"	"	"	
Dibromomethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-38-0.5 T232544-58 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Volatile Organic Compounds by EP	A Method 8260B								
1,4-Dichlorobenzene	ND	2.3	ug/kg	1	23I0050	09/06/23	09/06/23	EPA 8260B/5035	
Dichlorodifluoromethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.3	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.3	"	"	"	"	"	"	
Isopropylbenzene	ND	2.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.3	"	"	"	"	"	"	
Methylene chloride	ND	9.0	"	"	"	"	"	"	
Naphthalene	ND	2.3	"	"	"	"	"	"	
n-Propylbenzene	ND	2.3	"	"	"	"	"	"	
Styrene	ND	2.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.3	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.3	"	"	"	"	"	"	
Tetrachloroethene	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.3	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.3	"	"	"	"	"	"	
Trichloroethene	ND	2.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.3	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-38-0.5 T232544-58 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
1,2,4-Trimethylbenzene	ND	2.3	ug/kg	1	23I0050	09/06/23	09/06/23	EPA 8260B/5035	
Vinyl chloride	ND	2.3	"	"	"	"	"	"	
Benzene	ND	2.3	"	"	"	"	"	"	
Toluene	ND	2.3	"	"	"	"	"	"	
Ethylbenzene	ND	2.3	"	"	"	"	"	"	
m,p-Xylene	ND	4.5	"	"	"	"	"	"	
o-Xylene	ND	2.3	"	"	"	"	"	"	
Acetone	18	2.3	"	"	"	"	"	"	5035A
Methyl ethyl ketone	ND	4.5	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	4.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	2.3	"	"	"	"	"	"	
Surrogate: Toluene-d8		95.7 %	76.1	-127	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	85.9	-114	"	"	"	"	
Surrogate: Dibromofluoromethane		105 %	77.8	-142	"	"	"	"	
Polynuclear Aromatic Compounds by	v CC/MS with Soloote	d Ion Monite	rina						
Acenaphthene	ND	10	ug/kg	1	23I0059	09/06/23	09/08/23	EPA 8270C	
								SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
. I WOI WILLIAM			"	"	"	"	"	"	
	ND	10							
Fluorene	ND ND	10 5.0	"	"	"	"	"	"	
Fluorene Indeno (1,2,3-cd) pyrene Naphthalene					"	"	"	"	

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

SHS-38-0.5 T232544-58 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Pyrene	ND	10	ug/kg	1	2310059	09/06/23	09/08/23	EPA 8270C SIM	
Surrogate: Ternhenyl-dl4		94 2 %	18-137		"	"	"	"	

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth

Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Chatsworth CA, 91311 Project Number: 3000107 Project Manager: Jeff Bannon Reported:

09/11/23 17:13

Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 23I0065 - EPA 3550B GC										
Blank (23I0065-BLK1)				Prepared: 0	09/06/23 A	nalyzed: 09	/07/23			
C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	93.1		"	100		93.1	65-135			
LCS (23I0065-BS1)				Prepared: 0	09/06/23 At	nalyzed: 09	/07/23			
C13-C28 (DRO)	550	10	mg/kg	500		111	75-125			
Surrogate: p-Terphenyl	105		"	100		105	65-135			
LCS Dup (23I0065-BSD1)				Prepared: 0	09/06/23 At	nalyzed: 09	/07/23			
C13-C28 (DRO)	550	10	mg/kg	500		111	75-125	0.160	20	
Surrogate: p-Terphenyl	104		"	100		104	65-135			

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RPD

%REC

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Reporting

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Spike

Source

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 23I0070 - EPA 3050B										
Blank (23I0070-BLK1)				Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Antimony	ND	4.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	2.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							
LCS (23I0070-BS1)				Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Arsenic	101	2.0	mg/kg	100		101	75-125			
Barium	101	1.0	"	100		101	75-125			
Cadmium	101	2.0	"	100		101	75-125			
Chromium	102	2.0	"	100		102	75-125			
Lead	102	3.0	"	100		102	75-125			
Matrix Spike (23I0070-MS1)	Sourc	e: T232544-	01	Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Arsenic	77.6	2.0	mg/kg	100	7.67	70.0	75-125			QM-0
Barium	201	1.0	"	100	156	45.2	75-125			QM-0
Cadmium	68.1	2.0	"	100	0.790	67.3	75-125			QM-0
Chromium	91.0	2.0	"	100	16.5	74.6	75-125			QM-0
Lead	83.2	3.0	"	100	16.1	67.2	75-125			QM-0

SunStar Laboratories, Inc.

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RPD

%REC

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Reporting

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Spike

Source

		Keporung		Spike	Source		/OKEC		KFD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 23I0070 - EPA 3050B										
Matrix Spike Dup (23I0070-MSD1)	Sou	rce: T232544-	01	Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Arsenic	64.2	2.0	mg/kg	100	7.67	56.5	75-125	19.0	20	QM-0
Barium	176	1.0	"	100	156	20.3	75-125	13.2	20	QM-0
Cadmium	58.1	2.0	"	100	0.790	57.4	75-125	15.7	20	QM-0
Chromium	70.7	2.0	"	100	16.5	54.2	75-125	25.2	20	QM-0
Lead	69.5	3.0	"	100	16.1	53.4	75-125	18.0	20	QM-0
Batch 23I0076 - EPA 3050B										
Blank (23I0076-BLK1)				Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Antimony	ND	4.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	2.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							
LCS (2310076-BS1)				Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Arsenic	100	2.0	mg/kg	100		100	75-125			
Barium	99.8	1.0	"	100		99.8	75-125			
Cadmium	99.6	2.0	"	100		99.6	75-125			
Chromium	100	2.0	"	100		100	75-125			
Lead	101	3.0	"	100		101	75-125			

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
z mary co	resuit	Limit	Onits	PEACI	Resuit	/UKEC	Lillits	KED	Lillit	110168
Batch 2310076 - EPA 3050B										
Matrix Spike (23I0076-MS1)	Sour	rce: T232544-	52	Prepared: (09/06/23 At	nalyzed: 09	/07/23			
Arsenic	74.3	2.0	mg/kg	100	ND	74.3	75-125			QM-05
Barium	205	1.0	"	100	143	62.1	75-125			QM-07
Cadmium	71.7	2.0	"	100	0.525	71.2	75-125			QM-05
Chromium	83.3	2.0	"	100	12.0	71.3	75-125			QM-05
Lead	75.4	3.0	"	100	2.71	72.7	75-125			QM-05
Matrix Spike Dup (23I0076-MSD1)	Sour	rce: T232544-	52	Prepared: (09/06/23 At	nalyzed: 09	/07/23			
Arsenic	71.4	2.0	mg/kg	100	ND	71.4	75-125	4.06	20	QM-03
Barium	226	1.0	"	100	143	82.6	75-125	9.50	20	
Cadmium	70.7	2.0	"	100	0.525	70.2	75-125	1.44	20	QM-0
Chromium	84.4	2.0	"	100	12.0	72.4	75-125	1.30	20	QM-0
Lead	73.0	3.0	"	100	2.71	70.3	75-125	3.24	20	QM-0

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth

Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Chatsworth CA, 91311 Project Number: 3000107 Project Manager: Jeff Bannon **Reported:** 09/11/23 17:13

Metals by EPA 6020 Method - Quality Control

SunStar Laboratories, Inc.

		Danasti		G., II.	C		0/DEC		DDD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 23I0062 - EPA 3050B										
Blank (23I0062-BLK1)				Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Arsenic	ND	0.050	mg/kg							
Thallium	ND	0.25	"							
LCS (23I0062-BS1)				Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Arsenic	23.4	0.050	mg/kg	25.0		93.7	80-120			
Matrix Spike (23I0062-MS1)	Sour	ce: T232542-	-01	Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Arsenic	21.8	0.050	mg/kg	25.0	5.47	65.5	75-125			QM-05
Matrix Spike Dup (23I0062-MSD1)	Sour	ce: T232542-	-01	Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Arsenic	20.8	0.050	mg/kg	25.0	5.47	61.3	75-125	4.88	20	QM-05
Post Spike (23I0062-PS1)	Sour	ce: T232542-	-01	Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Arsenic	27.0		mg/kg	25.0	5.47	86.2	80-120			QM-PS
Batch 23I0068 - EPA 3050B										
Blank (23I0068-BLK1)				Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Arsenic	ND	0.050	mg/kg							
Thallium	ND	0.25	"							
LCS (23I0068-BS1)				Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Arsenic	24.5	0.050	mg/kg	25.0		98.2	80-120			
Matrix Spike (23I0068-MS1)	Sour	ce: T232544-	-30	Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Arsenic	19.3	0.050	mg/kg	25.0	2.05	69.0	75-125			QM-05

SunStar Laboratories, Inc.

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RPD

%REC

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Reporting

Metals by EPA 6020 Method - Quality Control

SunStar Laboratories, Inc.

Spike

Source

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2310068 - EPA 3050B										
Matrix Spike Dup (23I0068-MSD1)	Sourc	e: T232544-30)	Prepared: (09/06/23 A	nalyzed: 09	/07/23			
Arsenic	18.9	0.050	mg/kg	25.0	2.05	67.5	75-125	1.94	20	QM-05
Post Spike (23I0068-PS1)	Sourc	e: T232544-30)	Prepared: ()9/06/23 A	nalyzed: 09	/07/23			
Arsenic	24.3	1	mg/kg	25.0	2.05	89.2	80-120			QM-PS

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 23I0073 - EPA 7471A Soil										
Blank (23I0073-BLK1)				Prepared: (09/06/23 A	nalyzed: 09	/11/23			
Mercury	ND	0.10	mg/kg	-						
LCS (23I0073-BS1)				Prepared: ()9/06/23 A	nalyzed: 09	/11/23			
Mercury	0.384	0.10	mg/kg	0.403		95.3	80-120			
Matrix Spike (23I0073-MS1)	Sourc	e: T232544-	01	Prepared: (09/06/23 A	nalyzed: 09	/11/23			
Mercury	0.426	0.10	mg/kg	0.397	ND	107	80-120			
Matrix Spike Dup (23I0073-MSD1)	Sourc	e: T232544-	01	Prepared: (09/06/23 A	nalyzed: 09	/11/23			
Mercury	0.459	0.10	mg/kg	0.397	ND	116	80-120	7.58	20	
Batch 23I0077 - EPA 7471A Soil										
Blank (23I0077-BLK1)				Prepared: (09/06/23 A	nalyzed: 09	/11/23			
Mercury	ND	0.10	mg/kg							
LCS (23I0077-BS1)				Prepared: (09/06/23 A	nalyzed: 09	/11/23			
Mercury	0.381	0.10	mg/kg	0.397		95.9	80-120			
Matrix Spike (2310077-MS1)	Sourc	e: T232544-	-52	Prepared: (09/06/23 A	nalyzed: 09	/11/23			
Mercury	0.435	0.10	mg/kg	0.417	ND	104	80-120			
Matrix Spike Dup (23I0077-MSD1)	Sourc	e: T232544-	-52	Prepared: (09/06/23 A	nalyzed: 09	/11/23			
Mercury	0.438	0.10	mg/kg	0.403	ND	109	80-120	0.705	20	

SunStar Laboratories, Inc.

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RPD

%REC

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd FloorProject Number: 3000107Reported:Chatsworth CA, 91311Project Manager: Jeff Bannon09/11/23 17:13

Reporting

$Organochlorine\ Pesticides\ by\ EPA\ Method\ 8081A-Quality\ Control$

SunStar Laboratories, Inc.

Spike

Source

		Reporting		Spike	Source		70KEC		KPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Note
Batch 2310067 - EPA 3550C ECD/GCM	IS									
Blank (23I0067-BLK1)				Prepared: (09/06/23 A	nalyzed: 09	/07/23			
alpha-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	"							
beta-BHC	ND	5.0	"							
delta-BHC	ND	5.0	"							
Heptachlor	ND	5.0	"							
Aldrin	ND	5.0	"							
Heptachlor epoxide	ND	5.0	"							
gamma-Chlordane	ND	5.0	"							
alpha-Chlordane	ND	5.0	"							
Endosulfan I	ND	5.0	"							
4,4´-DDE	ND	5.0	"							
Dieldrin	ND	5.0	"							
Endrin	ND	5.0	"							
4,4′-DDD	ND	5.0	"							
Endosulfan II	ND	5.0	"							
4,4′-DDT	ND	5.0	"							
Endrin aldehyde	ND	5.0	"							
Endosulfan sulfate	ND	5.0	"							
Methoxychlor	ND	5.0	"							
Endrin ketone	ND	5.0	"							
Toxaphene	ND	20	"							
Surrogate: Tetrachloro-meta-xylene	7.28		"	10.0		72.8	35-140			
Surrogate: Decachlorobiphenyl	4.10		"	10.0		41.0	35-140			
LCS (23I0067-BS1)				Prepared: (09/06/23 At	nalyzed: 09	/07/23			
gamma-BHC (Lindane)	33.4	5.0	ug/kg	40.4		82.6	40-120			
Heptachlor	33.7	5.0	"	40.0		84.2	40-120			
Aldrin	30.0	5.0	"	40.0		75.1	40-120			
Dieldrin	34.0	5.0	"	40.2		84.6	40-120			
Endrin	35.1	5.0	"	40.2		87.4	40-120			
4,4´-DDT	34.4	5.0	"	40.4		85.2	33-147			
Surrogate: Tetrachloro-meta-xylene	7.11		"	10.0		71.1	35-140			
Surrogate: Decachlorobiphenyl	3.68		"	10.0		36.8	35-140			

SunStar Laboratories, Inc.

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RPD

%REC

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Reporting

$Organochlorine\ Pesticides\ by\ EPA\ Method\ 8081A-Quality\ Control$

SunStar Laboratories, Inc.

Spike

Source

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 23I0067 - EPA 3550C ECD/GCMS										
LCS Dup (23I0067-BSD1)				Prepared: (09/06/23 A	nalyzed: 09	/07/23			
gamma-BHC (Lindane)	31.9	5.0	ug/kg	40.4		79.1	40-120	4.39	30	
Heptachlor	32.4	5.0	"	40.0		81.1	40-120	3.78	30	
Aldrin	29.4	5.0	"	40.0		73.6	40-120	2.03	30	
Dieldrin	33.0	5.0	"	40.2		82.0	40-120	3.17	30	
Endrin	34.1	5.0	"	40.2		84.7	40-120	3.15	30	
4,4´-DDT	32.9	5.0	"	40.4		81.5	33-147	4.37	30	
Surrogate: Tetrachloro-meta-xylene	6.65		"	10.0		66.5	35-140			
Surrogate: Decachlorobiphenyl	4.22		"	10.0		42.2	35-140			

Batch 23I0069 - EPA 3550C ECD/GCMS

Blank (23I0069-BLK1)				Prepared: 09/06/23 Analyzed: 09/08/23
alpha-BHC	ND	5.0	ug/kg	
gamma-BHC (Lindane)	ND	5.0	"	
beta-BHC	ND	5.0	"	
delta-BHC	ND	5.0	"	
Heptachlor	ND	5.0	"	
Aldrin	ND	5.0	"	
Heptachlor epoxide	ND	5.0	"	
gamma-Chlordane	ND	5.0	"	
alpha-Chlordane	ND	5.0	"	
Endosulfan I	ND	5.0	"	
4,4′-DDE	ND	5.0	"	
Dieldrin	ND	5.0	"	
Endrin	ND	5.0	"	
4,4′-DDD	ND	5.0	"	
Endosulfan II	ND	5.0	"	
4,4′-DDT	ND	5.0	"	
Endrin aldehyde	ND	5.0	"	
Endosulfan sulfate	ND	5.0	"	
Methoxychlor	ND	5.0	"	
Endrin ketone	ND	5.0	"	
Toxaphene	ND	20	"	
Surrogate: Tetrachloro-meta-xylene	6.74		"	10.0 67.4 35-140
Surrogate: Decachlorobiphenyl	4.24		"	10.0 42.4 35-140

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

$Organochlorine\ Pesticides\ by\ EPA\ Method\ 8081A-Quality\ Control$

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 23I0069 - EPA 3550C ECD/GCMS										
LCS (23I0069-BS1)				Prepared: 0	9/06/23 A	nalyzed: 09	/08/23			
gamma-BHC (Lindane)	38.9	5.0	ug/kg				40-120			
Heptachlor	37.6	5.0	"				40-120			
Aldrin	33.9	5.0	"				40-120			
Dieldrin	38.3	5.0	"				40-120			
Endrin	40.5	5.0	"				40-120			
4,4'-DDT	40.5	5.0	"				33-147			
Surrogate: Tetrachloro-meta-xylene	7.28		"	10.0		72.8	35-140			
Surrogate: Decachlorobiphenyl	5.17		"	10.0		51.7	35-140			
LCS Dup (23I0069-BSD1)				Prepared: 0	09/06/23 A	nalyzed: 09	/08/23			
gamma-BHC (Lindane)	38.7	5.0	ug/kg				40-120		30	
Heptachlor	37.7	5.0	"				40-120		30	
Aldrin	33.8	5.0	"				40-120		30	
Dieldrin	40.2	5.0	"				40-120		30	
Endrin	42.9	5.0	"				40-120		30	
4,4´-DDT	43.6	5.0	"				33-147		30	
Surrogate: Tetrachloro-meta-xylene	7.04		"	10.0		70.4	35-140			
Surrogate: Decachlorobiphenyl	5.56		"	10.0		55.6	35-140			

SunStar Laboratories, Inc.

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RPD

%REC

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Reporting

${\bf Polychlorinated\ Biphenyls\ by\ EPA\ Method\ 8082-Quality\ Control}$

SunStar Laboratories, Inc.

Spike

Source

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 23I0066 - EPA 3550C ECD/GCMS										
Blank (2310066-BLK1)				Prepared &	& Analyzed:	09/06/23				
Aroclor-1016	ND	10	ug/kg							
Aroclor-1221	ND	10	"							
Aroclor-1232	ND	10	"							
Aroclor-1242	ND	10	"							
Aroclor-1248	ND	10	"							
Aroclor-1254	ND	10	"							
Aroclor-1260	ND	10	"							
Surrogate: Tetrachloro-meta-xylene	9.11		"	10.0		91.1	35-140			
Surrogate: Decachlorobiphenyl	7.84		"	10.0		78.4	35-140			
LCS (23I0066-BS1)				Prepared &	& Analyzed:	09/06/23				
Aroclor-1016	105	10	ug/kg	101		104	40-130			
Aroclor-1260	115	10	"	100		115	40-130			
Surrogate: Tetrachloro-meta-xylene	10.3		"	10.0		103	35-140			
Surrogate: Decachlorobiphenyl	9.18		"	10.0		91.8	35-140			
LCS Dup (23I0066-BSD1)				Prepared &	& Analyzed:	09/06/23				
Aroclor-1016	105	10	ug/kg	101		104	40-130	0.187	30	
Aroclor-1260	109	10	"	100		109	40-130	5.44	30	
Surrogate: Tetrachloro-meta-xylene	8.80		"	10.0		88.0	35-140			
Surrogate: Decachlorobiphenyl	11.3		"	10.0		113	35-140			

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

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

Ratch	2310050	- FPA	5035	CCMS

Blank (23I0050-BLK1)				Prepared: 09/05/23 Analyzed: 09/06/23
Bromobenzene	ND	2.5	ug/kg	
Bromochloromethane	ND	2.5	"	
Bromodichloromethane	ND	2.5	"	
Bromoform	ND	2.5	"	
Bromomethane	ND	2.5	"	
n-Butylbenzene	ND	2.5	"	
sec-Butylbenzene	ND	2.5	"	
tert-Butylbenzene	ND	2.5	"	
Carbon tetrachloride	ND	2.5	"	
Chlorobenzene	ND	2.5	"	
Chloroethane	ND	2.5	"	
Chloroform	ND	2.5	"	
Chloromethane	ND	2.5	"	
2-Chlorotoluene	ND	2.5	"	
4-Chlorotoluene	ND	2.5	"	
Dibromochloromethane	ND	2.5	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	
Dibromomethane	ND	2.5	"	
1,2-Dichlorobenzene	ND	2.5	"	
1,3-Dichlorobenzene	ND	2.5	"	
1,4-Dichlorobenzene	ND	2.5	"	
Dichlorodifluoromethane	ND	2.5	"	
1,1-Dichloroethane	ND	2.5	"	
1,2-Dichloroethane	ND	2.5	"	
1,1-Dichloroethene	ND	2.5	"	
cis-1,2-Dichloroethene	ND	2.5	"	
trans-1,2-Dichloroethene	ND	2.5	"	
1,2-Dichloropropane	ND	2.5	"	
1,3-Dichloropropane	ND	2.5	"	
2,2-Dichloropropane	ND	2.5	"	
1,1-Dichloropropene	ND	2.5	"	
cis-1,3-Dichloropropene	ND	2.5	"	
trans-1,3-Dichloropropene	ND	2.5	"	
Hexachlorobutadiene	ND	2.5	"	
Isopropylbenzene	ND	2.5	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

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

Ratch	2310050	- FPA	5035	CCMS
Daten	2310050	- r/r/A	วบวว	CIVIO

Blank (23I0050-BLK1)				Prepared: 09/05/23 Analyzed: 09/06/23
p-Isopropyltoluene	ND	2.5	ug/kg	
Methylene chloride	ND	10	"	
Naphthalene	ND	2.5	"	
n-Propylbenzene	ND	2.5	"	
Styrene	ND	2.5	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	
Tetrachloroethene	ND	2.5	"	
1,2,3-Trichlorobenzene	ND	2.5	"	
1,2,4-Trichlorobenzene	ND	2.5	"	
1,1,2-Trichloroethane	ND	2.5	"	
1,1,1-Trichloroethane	ND	2.5	"	
Trichloroethene	ND	2.5	"	
Trichlorofluoromethane	ND	2.5	"	
1,2,3-Trichloropropane	ND	2.5	"	
1,3,5-Trimethylbenzene	ND	2.5	"	
1,2,4-Trimethylbenzene	ND	2.5	"	
Vinyl chloride	ND	2.5	"	
Benzene	ND	2.5	"	
Toluene	ND	2.5	"	
Ethylbenzene	ND	2.5	"	
m,p-Xylene	ND	5.0	"	
o-Xylene	ND	2.5	"	
Acetone	ND	2.5	"	
Methyl ethyl ketone	ND	5.0	"	
Methyl isobutyl ketone	ND	5.0	"	
2-Hexanone (MBK)	ND	2.5	"	
Surrogate: Toluene-d8	48.1		"	50.0 96.2 76.1-127
Surrogate: 4-Bromofluorobenzene	51.0		"	50.0 102 85.9-114
Surrogate: Dibromofluoromethane	51.5		"	50.0 103 77.8-142

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2310050 - EPA 5035 GCMS										
LCS (23I0050-BS1)				Prepared: (09/05/23 A1	nalyzed: 09	/06/23			
Chlorobenzene	55.0	2.5	ug/kg	50.0		110	79.1-117			
1,1-Dichloroethene	49.5	2.5	"	50.0		99.1	68-126			
Trichloroethene	55.8	2.5	"	50.0		112	80.6-119			
Benzene	48.1	2.5	"	50.0		96.1	79.1-117			
Toluene	52.1	2.5	"	50.0		104	79.5-118			
Surrogate: Toluene-d8	48.6		"	50.0		97.1	76.1-127			
Surrogate: 4-Bromofluorobenzene	50.4		"	50.0		101	85.9-114			
Surrogate: Dibromofluoromethane	49.4		"	50.0		98.7	77.8-142			
LCS Dup (23I0050-BSD1)				Prepared: (09/05/23 Aı	nalyzed: 09	/06/23			
Chlorobenzene	52.4	2.5	ug/kg	50.0		105	79.1-117	4.69	20	
1,1-Dichloroethene	47.6	2.5	"	50.0		95.1	68-126	4.04	20	
Trichloroethene	52.4	2.5	"	50.0		105	80.6-119	6.19	20	
Benzene	45.3	2.5	"	50.0		90.6	79.1-117	5.89	20	
Toluene	49.4	2.5	"	50.0		98.7	79.5-118	5.48	20	
Surrogate: Toluene-d8	48.7		"	50.0		97.3	76.1-127			
Surrogate: 4-Bromofluorobenzene	51.9		"	50.0		104	85.9-114			
Surrogate: Dibromofluoromethane	49.5		"	50.0		99.1	77.8-142			

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RPD

%REC

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Reporting

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control SunStar Laboratories, Inc.

Spike

Source

	D 1.	Reporting	TT 1.	Spike	D. I.	0/DEG	70KEC	DDD	KI D	3.7
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 23I0059 - EPA 3550 ECD/GCMS										
Blank (23I0059-BLK1)				Prepared: (09/06/23 A	nalyzed: 09	9/08/23			
Acenaphthene	ND	10	ug/kg							
Acenaphthylene	ND	5.0	"							
Anthracene	ND	5.0	"							
Benzo (a) anthracene	ND	5.0	"							
Benzo (b) fluoranthene	ND	10	"							
Benzo (k) fluoranthene	ND	10	"							
Benzo (g,h,i) perylene	ND	5.0	"							
Benzo (a) pyrene	ND	10	"							
Chrysene	ND	5.0	"							
Dibenz (a,h) anthracene	ND	5.0	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	10	"							
Indeno (1,2,3-cd) pyrene	ND	5.0	"							
Naphthalene	ND	5.0	"							
Phenanthrene	ND	5.0	"							
Pyrene	ND	10	"							
Surrogate: Terphenyl-dl4	324		"	333		97.1	18-137			
LCS (23I0059-BS1)				Prepared: (09/06/23 A	nalyzed: 09	9/08/23			
Acenaphthene	237	10	ug/kg	333		71.0	50-130			
Pyrene	196	10	"	333		58.7	33.8-100			
Surrogate: Terphenyl-dl4	320		"	333		95.9	18-137			
LCS Dup (23I0059-BSD1)				Prepared: (09/06/23 A	nalyzed: 09	9/08/23			
Acenaphthene	276	10	ug/kg	333		82.7	50-130	15.2	31	
Pyrene	220	10	"	333		66.1	33.8-100	11.9	30	
Surrogate: Terphenyl-dl4	356		"	333		107	18-137			

SunStar Laboratories, Inc.

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



Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Jeff Bannon 09/11/23 17:13

Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

QM-PS The percent recovery and/or RPD are outside acceptance criteria. Results accepted based upon percent recovery results in the post spike

and/or serial dilution.

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

LCS recovery.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within

acceptance criteria. The data is acceptable as no negative impact on data is expected.

D-06 The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

5035A Acetone formation/presence suspected from acidification of soil. See Method EPA 5035 Section A.5.3.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.

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

## Sample Date Time Sample Container Oxyonation Oxyonation	Indushed by: (signature) piect Manager: Jeff Bannon Fax: Collector: Aai Collector: Aai Collector: Aai Collector: Aai Collector: Aai Collector: Aai Project Name Collector: Aai Batch #: 7	
Sample Date Time Sample Container Containe	Sample ID Date Time Sample Container Collector Aal	Turn around time: Standard 6020 only
Date Sample Date Sample Container Sample Sampl	Date Time Type	*T22 Metals – As & TI by
Sample ID Date Time Sample Container Oxy Only SHS-01-0.5 9-1-23 1315 Soil 8-oz, 5035 X 8260 BTEX, OXY Only SHS-01-0.5 1325 88-02 X 8260 BTEX, OXY Only SHS-09-0.5 1315 SHS-09-0.5 1315 SHS-09-0.5 1315 SHS-09-0.5 1315 SHS-09-0.5 1315 SHS-09-0.5 1325 SHS-09-0.5 1325 SHS-09-0.5 1325 SHS-10-0.5 1325 SHS-10-0.5 1325 SHS-11-0.5 1325 SHS-11-0.5 1325 SHS-11-0.5 1325 SHS-11-0.5 1325 SHS-11-0.5 1325 SHS-11-0.5 SHS-11-	Date Time Date	S S
SHS-01-0.5 SHS-10-0.5 SHS-11-0.5 SHS-11	one: 818-727-2553 one: 818-727-2553 Fax: Collector: Batch #: Batch #: Sample ID Sample ID Sample ID Sample ID Sylv-01-0.5 SHS-01-0.5 SHS-01-0.5 SHS-01-0.5 SHS-01-0.5 SHS-09-0.5 SHS-01-0.5 SHS-09-0.5 SHS-09-0.5 SHS-09-0.5 SHS-09-0.5 SHS-11-0.5	Seals intact? Y/NNA samples.
Sample ID Date Time Sample Container 60 GO SHS-01-0.5 9-1-23 1315 Soil 8-0z, 5035 X 826 GO BTEX, OPAHS 8021 BTEX SHS-01-0.5 1132	one: 818-727-2553 one: 818-727-2553 Fax: ject Manager: Jeff Bannon Date Sample ID SHS-01-0.5 SHS-01-0.5 SHS-01-1.5 SHS-01-1.5 SHS-01-1.5 SHS-09-0.5 SHS-09-0.5 SHS-10-1.5 SHS-10-1.5 SHS-10-1.5 SHS-10-1.5 SHS-10-1.5 SHS-10-1.5 SHS-11-1.5 SHS-11-1.5 SHS-11-1.5 SHS-11-1.5 SHS-11-1.5 SHS-11-1.5 SHS-11-1.5 SHS-11-1.5 SHS-11-1.5 SHS-11-2.0.5 Date / Time Received by: (signature) Pake Inquished by: (signature) Pake	hain of Custody seals YIMNA Please archive unchecked
Sample ID Sample Time Sample Container ShS-01-0.5 9-1-23 1315 Soil 8-0z, 5035 X 8260 + Q-XY SHS-01-3.0 1325 SHS-01-3.0 1335 SHS-10-3.0 1335 SHS-10-3.0 1335 SHS-10-3.0 1335 SHS-11-3.0 1325 SHS-11-3.0	dress: P.O. Box 4299, Chatsworth, CA 91313 one: 818-727-2553 Fax: ject Manager: Jeff Bannon Date Sample ID Sample ID Sample ID SHS-01-0.5 SHS-01-0.5 SHS-01-0.5 SHS-01-0.5 SHS-01-0.5 SHS-01-0.5 SHS-01-0.5 SHS-01-0.5 SHS-01-1.5 SHS-01-1.5 SHS-01-1.5 SHS-01-1.5 SHS-01-1.5 SHS-10-0.5 SHS-10-0.5 SHS-10-0.5 SHS-11-1.5 SHS-11-	Total # of containers Notes
SHS-01-0.5 SHS-09-0.5 SHS-09-0.5 SHS-09-0.5 SHS-09-0.5 SHS-09-0.5 SHS-10-0.5 SHS-10-0.5 SHS-10-1.5 SHS-10-1.5 SHS-11-0.5 SHS-11	dress: P.O. Box 4299, Chatsworth, CA 91313 one: 818-727-2553 Fax: ject Manager: Jeff Bannon Date Sample ID Sample Time Type 22 22 22 22 22 22 22 22 22 22 22 22 22	XXX
Sample iD Sample Container Sample SHS-01-0.5 9-1-23 1315 Soil 8-oz, 5035 X 8260 + O-XY 815-01-0.5 1310 1132 X 8260 BTEX, OXY only SHS-10-1.5 1315 1245 SHS-11-0.5 1324 8270C SIM PAHs 8021 BTEX	dress: P.O. Box 4299, Chatsworth, CA 91313 one: 818-727-2553 Fax: ject Manager: Jeff Bannon Pate Pa	
Sample ID Sample Type Container Systematics Shipped Time Type Container Type Type Sample Container Type Type Sample Shipped Sh	dress: P.O. Box 4299, Chatsworth, CA 91313 one: 818-727-2553 Fax: ject Manager: Jeff Bannon Date	
Sample ID Sample Time Sample Container SHS-01-0.5 9-1-23 1315 Soil 8-0z, 5035 X 8260 + QXY 815-09-0.5 1310 1310	one: 818-727-2553 Fax: ject Manager: Jeff Bannon Part	×××
Date Sample ID Sample Container Sample	one: 818-727-2553 Fax: ject Manager: Jeff Bannon Date Sampled Time Type Type 22 22 22 22 23 23 23 23 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	
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Sample iD Date Sample Container SHS-01-0.5 9-1-23 1315 Soil 8-oz, 5035 X 8260 BTEX, OXY only SHS-09-0.5 1132	one: 818-727-2553 Fax: ject Manager: Jeff Bannon Date Sample ID Sample ID SHS-01-0.5 SHS-01-1.5 SHS-01-3.0 SHS-09-0.5 SHS-09-0.5 SHS-09-0.5 SHS-09-1.5 SHS-09-1.5 SHS-09-1.5 SHS-09-1.5 SHS-09-1.5 SHS-09-1.5 SHS-09-1.5 SHS-09-1.5 SHS-09-1.5 SHS-09-3.0 SHS-09-3.0 SHS-09-3.0 SHS-09-3.0	XXX
Sample ID Sample Container 60 HT SHS-01-0.5 9-1-23 1315 Soil 8-0z, 5035 X 8260 BTEX, OXY only SHS-09-0.5 1132	one: 818-727-2553 pject Manager: Jeff Bannon Date	
Sample ID Sample Container 60 SHS-01-0.5 9-1-23 1315 Soil 8-0z, 5035 X 8260 BTEX, OXY only SHS-09-0.5 1130 1325	one: 818-727-2553 Fax: ject Manager: Jeff Bannon Part	
Sample iD Sample Container 60 SHS-01-0.5 9-1-23 1315 Soil 8-0z, 5035 X 8260 BTEX, OXY only SHS-01-3.0 1325 8260 BTEX, OXY ONLY SHS-09-0.5 1310 X 8270C SIM PAHs 8021 BTEX	dress: P.O. Box 4299, Chatsworth, CA 91313 Fax: ject Manager: Jeff Bannon Parity of the property of the p	×××
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Date Sample Container	one: 818-727-2553 Fax: ject Manager: Jeff Bannon Date Sample (D Sample (D Sample O) 1315 Soil 8-oz, 5035 X SHS-01-0.5D 1317 Soil 8-oz X SHS-01-0.5D 1317 SHS-01-0	
Sample iD Date Sample Container Con	Fax: Fax: Fax: Fax: Fax: Sample Container OP	X X X X X X
Sample iD Sample Container Sample Container 8260 8260 + QXY 8260 BTEX, OXY only 8270C SIM PAHs 8021 BTEX	Fax: Fax: Fax: Type	×
	tsworth, CA 91313	8015M Ext./Carbon Chain 6010/7000 Title 22 Metals *Note: 6020 ICP-MS Metals As & TI 8081A OCPs 8082 PCBs
	Chatsworth, CA 91313	ron Garrett Client Project #: 3000107
Fax:		Sylmar High School PEA-E

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE
25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Sample disposal Instructions:

Disposal @ \$2.00 each X

Return to client

Pickup

Chain of Custody Record

949-297-5020

25712 Commercentre Drive, Lake Forest, CA 92630

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

Laboratories, Inc.

SunStar

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Pickup		D	Ŭ	Ď	23	 D	┝	_	H	-	_	L	┞	-	_	-	┝	-	┝		H	8260 BTEX, OXY only
		Date / Time		Date / Time		Date / Time	H	-	×	-	-	\vdash	├	H	-	H	H	H	-	-	H	<u> </u>
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	Turn around time: Standard		<u> </u>	Seals intact? Y/N(NA)	Ž)	Total # of containers	Γ		×				Ţ		Γ							PLM Asbestos
	d		Received good condition/cold 23		Ĭ	ľ	t	T	t		 	t	t	t	T	t	t	H	t	T	T	8081A OCPs 8082 PCBs PLM Asbestos PEDF #_ N
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Laboratories, Inc. **Chain of Custody Record**

Date: 9-1-2023

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE 25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020

SunStar

Laboratories, Inc. Chain of Custody Record

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

SunStar

25712 Commercentre Drive, Lake Forest, CA 92630

949-297-5020

♀



SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #:	1232544			
Client Name:	Clark Seif Clark;	Inc-Project:	Sylmar H	igh School PE
Delivered by:	☐ Client ☑ SunStar Cou		☐ FedEx ☐ Other	
If Courier, Received by:	Mike	Date/Time C Received:	9-5-23	10:49
Lab Received by:	Dave	Date/Time Language Received:	ab 9-5-23	15:00
Total number of coolers re	eceived: Thermometer	ID:SC-1	Calibration due :	8/2/24
Temperature: Cooler #1	2.0 °C +/- the CF (+ 0.3	°C) = 2.3	°C corrected temperature	
Temperature: Cooler #2	°C +/- the CF (+ 0.3	°C) =	°C corrected temperature	
Temperature: Cooler #3	°C +/- the CF (+ 0.3	°C) =	°C corrected temperature	
Temperature criteria = 5 (no frozen containers)	≤6°C With	in criteria?	Yes No]N/A
If NO:			□No→	
Samples received		es	Complete Non-Confe	ormance Sheet
If on ice, samples collected?	s received same day	es → Acceptable	□No → Complete Non-Confe	ormance Sheet
Custody seals intact on co	ooler/sample		□Yes □No* □	ZN/A
Sample containers intact			✓Yes □No*	
Sample labels match Chai	in of Custody IDs		✓Yes □No*	
Total number of container	rs received match COC		✓Yes □No*	
Proper containers received	d for analyses requested on CO			
Proper preservative indica	ated on COC/containers for anal	yses requested	✓Yes □No* □	□N/A
	ved in good condition with correct preservatives and within methods.		✓ Yes □No*	
* Complete Non-Conforman	nce Receiving Sheet if checked	Cooler/Sample Rev	view - Initials and date: The	B 9-5-23
Comments:				



This report contains data that are not covered by the

NVLAP accreditation

Asbestos Laboratory Report, Page 1 of 1

2211 West Orangewood Avenue Orange, CA 92868 Tel: (714) 937-0750

Fax: (714) 937-0750 Fax: (714) 937-0755 www.envirocheck.com (800) 665-7586

Customer: SunStar Labs Job Location: T232544

25712 Commercentre Drive Lake Forest, CA 92630

	1123090216	1123090217	1123090218	1123090219			
Sample #	1	2	3	4			
Asbestos	No	No	No	No			
Total	N.D.	N.D.	N.D.	N.D.			
1° Type							
2° Type							
3° Type							
Location	NA	NA	NA	NA			
Material	Soil***	Soil***	Soil***	Soil***			
Notes	T232544-01	T232544-02	T232544-43	T232544-58			
Color	Brown	Brown	Brown	Brown			
Homogeneous	No	No	No	No			
Components: Non-fibrous Material	x	х	х	х			
Paint							
Tar							
Cellulose							
Fiberglass							
Synthetic							
Fibers							
Other 1							
Other 2 Comments/							
Method Departures	None	None	None	None			
Receiv				Analyzed:	9/8/2023		 ort Date: 09/08

Analyst: Admin QC: MG
Lab QC: EE

Samples were analyzed in accordance with EPA - Appendix E to Subpart E of 40 CFR Part 763: "Interim Method of the Determination of Asbestos in Bulk Insulation Samples" and EPA/600/R-93/116: "Test Method for the Determination of Asbestos in Bulk Building Materials". The limit of detection for asbestos is <1%, and the limit of quantification is 1.0% or greater. The State of California defines an asbestos-containing construction material as having more than 0.1% asbestos. All samples are disposed of after 30 days unless the customer requests otherwise. This report shall not be reproduced except in full, without the written approval of the laboratory. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government. Test results apply to the sample as received. Asbestos percentage obtained through calibrated visual estimate. Components of inhomogeneous samples not analyzed separately unless listed as a sub-sample.

Various sample locations combined for composite purposes. *Not covered by NVLAP accreditation. Standard Deviation is ± 1.5% for mean concentrations of 2-10% asbestos and ± 6.7% for mean concentrations of >10% asbestos (1 Standard Deviation).

Printed: 9/6/2023 9:52:24AM



WORK ORDER

T232544

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Project: Sylmar High School PEA-E Project Number: 3000107

Report To:

Clark Seif Clark - Chatsworth

Jeff Bannon

21732 Devonshire Street, 2nd Floor

Chatsworth, CA 91311

Date Due: 09/12/23 17:00 (5 day TAT)

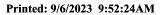
Received By: Dave Berner Date Received: 09/05/23 15:00
Logged In By: Joann Marroquin Date Logged In: 09/05/23 16:47

Samples Received at: 2.3°€

Custody Seals No Received On Ice Yes

COC/Labels Agree Yes
Preservation Confirme Yes

Analysis	Due	TAT	Expires	Comments
T232544-01 SHS-01-0.5 [Soil	Sampled 09/01/23 13:15	(GMT-08:00) Pacific	
Time (US &				
6010 Title 22	09/12/23 15:00	5	02/28/24 13:15	
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 13:15	As and Tl Only
8015 Carbon Chain	09/08/23 15:00	3	09/15/23 13:15	
8081 Pesticides	09/12/23 15:00	5	09/15/23 13:15	
8082 PCB	09/12/23 15:00	5	09/15/23 13:15	
8260 5035	09/08/23 15:00	3	09/15/23 23:59	
8270C PAH SIM	09/12/23 15:00	5	09/15/23 13:15	
Time (US & 6010 Title 22	09/12/23 15:00	5	02/28/24 13:17	
6010 Title 22	09/12/23 15:00	5	02/28/24 13:17	
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 13:17	As and Tl Only
8015 Carbon Chain	09/08/23 15:00	3	09/15/23 13:17	
8081 Pesticides	09/12/23 15:00	5	09/15/23 13:17	
8082 PCB	09/12/23 15:00	5	09/15/23 13:17	
8260 5035	09/08/23 15:00	3	09/15/23 23:59	
8270C PAH SIM	09/12/23 15:00	5	09/15/23 13:17	
T232544-03 SHS-01-1.5 [Soil] Sampled 09/01/23 13:20	(GMT-08:00) Pacific	HOLD
Time (US &				
[NO ANALYSES]				





WORK ORDER

T232544

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Project: Sylmar High School PEA-E Project Number: 3000107

Analysis	Due	TAT	Expires	Comments
T232544-04 SHS-01-3.0 [Soi Time (US & [NO ANALYSES]	il] Sampled 09/01/23 13:25	(GMT-08:00) Pacific	HOLD
T232544-05 SHS-09-0.5 [Soi Time (US &	il] Sampled 09/01/23 11:30	(GMT-08:00) Pacific	
6010 Title 22	09/12/23 15:00	5	02/28/24 11:30	
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 11:30	As and Tl Only
8081 Pesticides	09/12/23 15:00	5	09/15/23 11:30	
T232544-06 SHS-09-0.5D [S Time (US &	oil] Sampled 09/01/23 11:3	2 (GMT-08:	00) Pacific	
6010 Title 22	09/12/23 15:00	5	02/28/24 11:32	
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 11:32	As and Tl Only
8081 Pesticides	09/12/23 15:00	5	09/15/23 11:32	
T232544-07 SHS-09-1.5 [Soi Time (US & [NO ANALYSES]	il] Sampled 09/01/23 11:35	(GMT-08:00) Pacific	HOLD
T232544-08 SHS-09-3.0 [Soi Time (US &	II] Sampled 09/01/23 11:40	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232544-09 SHS-10-0.5 [Soi Time (US &	il] Sampled 09/01/23 13:05	(GMT-08:00) Pacific	
6010 Title 22	09/12/23 15:00	5	02/28/24 13:05	
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 13:05	As and Tl Only
8081 Pesticides	09/12/23 15:00	5	09/15/23 13:05	
T232544-10 SHS-10-1.5 [Soi Time (US &	il] Sampled 09/01/23 13:10	HOLD		
[NO ANALYSES]				
T232544-11 SHS-10-3.0 [Soi Time (US & [NO ANALYSES]	l] Sampled 09/01/23 13:15	HOLD		

Printed: 9/6/2023 9:52:24AM



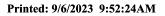
WORK ORDER

T232544

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Project: Sylmar High School PEA-E Project Number: 3000107

Analysis	Due	ТАТ	Expires	Comments
T232544-12 SHS-11-0.5 [Soil] S Time (US &	ampled 09/01/23 12:45	(GMT-08:00)) Pacific	
6010 Title 22	09/12/23 15:00	5	02/28/24 12:45	
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 12:45	As and Tl Only
8081 Pesticides	09/12/23 15:00	5	09/15/23 12:45	
T232544-13 SHS-11-1.5 [Soil] S Time (US & [NO ANALYSES]	ampled 09/01/23 12:49	HOLD		
T232544-14 SHS-11-3.0 [Soil] S Time (US & [NO ANALYSES]	ampled 09/01/23 12:54	HOLD		
T232544-15 SHS-12-0.5 [Soil] S Time (US &	sampled 09/01/23 12:20	(GMT-08:00)) Pacific	
6010 Title 22	09/12/23 15:00	5	02/28/24 12:20	
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 12:20	As and Tl Only
8081 Pesticides	09/12/23 15:00	5	09/15/23 12:20	
T232544-16 SHS-12-1.5 [Soil] S Time (US &	sampled 09/01/23 12:25	HOLD		
[NO ANALYSES]				
T232544-17 SHS-12-3.0 [Soil] S Time (US & [NO ANALYSES]	Sampled 09/01/23 12:30	HOLD		
T232544-18 SHS-17-0.5 [Soil] S Time (US &	Sampled 09/01/23 09:30	(GMT-08:00) Pacific	
6010 Title 22	09/12/23 15:00	5	02/28/24 09:30	
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 09:30	As and Tl Only
8081 Pesticides	09/12/23 15:00	5	09/15/23 09:30	
T232544-19 SHS-17-0.5D [Soil] Time (US &	Sampled 09/01/23 09:3	32 (GMT-08:0	00) Pacific	
6010 Title 22	09/12/23 15:00	5	02/28/24 09:32	
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 09:32	As and Tl Only
8081 Pesticides				· · · · · · · · · · · · · · · · · · ·

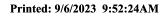




T232544

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments	
T232544-20 SHS-17-1.5 [Soil] Time (US &	Sampled 09/01/23 09:3	5 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232544-21 SHS-17-3.0 [Soil] Time (US &	Sampled 09/01/23 09:40	0 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232544-22 SHS-18-0.5 [Soil] Time (US &	Sampled 09/01/23 10:0:	5 (GMT-08:00) Pacific		
6010 Title 22	09/12/23 15:00	5	02/28/24 10:05		
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 10:05	As and Tl Only	
8081 Pesticides	09/12/23 15:00	5	09/15/23 10:05		
T232544-23 SHS-18-1.5 [Soil] Time (US &	Sampled 09/01/23 10:10	0 (GMT-08:00)) Pacific	HOLD	
[NO ANALYSES]					
T232544-24 SHS-18-3.0 [Soil] Time (US &	Sampled 09/01/23 10:20	0 (GMT-08:00)) Pacific	HOLD	
[NO ANALYSES]					
T232544-25 SHS-19-0.5 [Soil] Time (US &	Sampled 09/01/23 09:30	0 (GMT-08:00) Pacific		
6010 Title 22	09/12/23 15:00	5	02/28/24 09:30		
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 09:30	As and Tl Only	
8081 Pesticides	09/12/23 15:00	5	09/15/23 09:30		
T232544-26 SHS-19-1.5 [Soil] Time (US &	Sampled 09/01/23 09:3	5 (GMT-08:00)) Pacific	HOLD	
[NO ANALYSES]					
T232544-27 SHS-20-0.5 [Soil] Time (US &	Sampled 09/01/23 10:0	3 (GMT-08:00)) Pacific		
6010 Title 22	09/12/23 15:00	5	02/28/24 10:03		
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 10:03	As and Tl Only	
8081 Pesticides	09/12/23 15:00	5	09/15/23 10:03		
T232544-28 SHS-20-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/01/23 10:03	8 (GMT-08:00)) Pacific	HOLD	

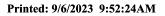




T232544

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments	
T232544-29 SHS-20-3.0 [Soil Time (US &	l] Sampled 09/01/23 10:15	(GMT-08:0	D) Pacific	HOLD	
[NO ANALYSES]					
T232544-30 SHS-21-0.5 [Soil	ll Sampled 09/01/23 10:45	(GMT-08:0	n) Pacific		
Time (US &	-,	(0	.,		
6010 Title 22	09/12/23 15:00	5	02/28/24 10:45		
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 10:45	As and Tl Only	
8081 Pesticides	09/12/23 15:00	5	09/15/23 10:45		
T232544-31 SHS-21-1.5 [Soil	l] Sampled 09/01/23 10:55	(GMT-08:0	0) Pacific	HOLD	
Time (US &					
[NO ANALYSES]					
T232544-32 SHS-22-0.5 [Soil	l] Sampled 09/01/23 10:45	(GMT-08:0	0) Pacific		
Time (US &					
6010 Title 22	09/12/23 15:00	5	02/28/24 10:45		
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 10:45	As and Tl Only	
8081 Pesticides	09/12/23 15:00	5	09/15/23 10:45		
T232544-33 SHS-22-1.5 [Soil	l] Sampled 09/01/23 10:50	(GMT-08:0	D) Pacific	HOLD	
Time (US &					
[NO ANALYSES]					
T232544-34 SHS-22-3.0 [Soil Time (US &	l] Sampled 09/01/23 10:55	(GMT-08:0	D) Pacific	HOLD	
[NO ANALYSES]					
		(67.57.00.0)			
T232544-35 SHS-23-0.5 [Soil Time (US &	IJ Sampled 09/01/23 11:03	(GMT-08:00	J) Pacific		
6010 Title 22	09/12/23 15:00	5	02/28/24 11:03		
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 11:03	As and Tl Only	
8081 Pesticides	09/12/23 15:00	5	09/15/23 11:03	110 4110 1110 1119	
	33. 12m 20 10100		33,10,20 11,00		
T232544-36 SHS-23-1.5 [Soil Time (US &	l] Sampled 09/01/23 11:10	(GMT-08:00)) Pacific	HOLD	
[NO ANALYSES]					
T232544-37 SHS-23-3.0 [Soil	Il Sampled 09/01/23 11:15	(GMT-08:00)) Pacific	HOLD	
Time (US &	., ~mipion 07/01/20 11:10	(5	,		
[NO ANALYSES]					

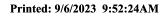




T232544

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments	
T232544-38 SHS-24-0.5 [Soil] Time (US &	Sampled 09/01/23 11:45	(GMT-08:00) Pacific		
6010 Title 22	09/12/23 15:00	5	02/28/24 11:45		
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 11:45	As and Tl Only	
8081 Pesticides	09/12/23 15:00	5	09/15/23 11:45		
T232544-39 SHS-24-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/01/23 11:50	(GMT-08:00) Pacific	HOLD	
T232544-40 SHS-24-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/01/23 11:55	(GMT-08:00) Pacific	HOLD	
T232544-41 SHS-25-0.5 [Soil] Time (US &	Sampled 09/01/23 12:05	(GMT-08:00) Pacific		
6010 Title 22	09/12/23 15:00	5	02/28/24 12:05		
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 12:05	As and Tl Only	
8081 Pesticides	09/12/23 15:00	5	09/15/23 12:05		
T232544-42 SHS-25-1.5 [Soil] Time (US &	Sampled 09/01/23 12:15	(GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232544-43 SHS-33-0.5 [Soil] Time (US &	Sampled 09/01/23 08:05	(GMT-08:00) Pacific		
6010 Title 22	09/12/23 15:00	5	02/28/24 08:05		
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 08:05	As and Tl Only	
8015 Carbon Chain	09/08/23 15:00	3	09/15/23 08:05		
8081 Pesticides	09/12/23 15:00	5	09/15/23 08:05		
8082 PCB	09/12/23 15:00	5	09/15/23 08:05		
8260 5035	09/08/23 15:00	3	09/15/23 23:59		
8270C PAH SIM	09/12/23 15:00	5	09/15/23 08:05		
T232544-44 SHS-33-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/01/23 08:10	(GMT-08:00) Pacific	HOLD	
T232544-45 SHS-33-3.0 [Soil] Time (US &	Sampled 09/01/23 08:15	(GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					





T232544

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments	
T232544-46 SHS-34-0.5 [Soil] Time (US &	Sampled 09/01/23 07:40	(GMT-08:00) Pacific		
6010 Title 22	09/12/23 15:00	5	02/28/24 07:40		
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 07:40	As and Tl Only	
8081 Pesticides	09/12/23 15:00	5	09/15/23 07:40		
T232544-47 SHS-34-1.5 [Soil] Time (US &	Sampled 09/01/23 07:45	(GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232544-48 SHS-34-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/01/23 07:50	(GMT-08:00) Pacific	HOLD	
T232544-49 SHS-35-0.5 [Soil] Time (US &	Sampled 09/01/23 08:57	(GMT-08:00) Pacific		
6010 Title 22	09/12/23 15:00	5	02/28/24 08:57		
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 08:57	As and Tl Only	
8081 Pesticides	09/12/23 15:00	5	09/15/23 08:57		
T232544-50 SHS-35-1.5 [Soil] Time (US &	Sampled 09/01/23 09:02	(GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232544-51 SHS-35-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/01/23 09:07	(GMT-08:00) Pacific	HOLD	
T232544-52 SHS-36-0.5 [Soil] Time (US &	Sampled 09/01/23 08:32	(GMT-08:00) Pacific		
6010 Title 22	09/12/23 15:00	5	02/28/24 08:32		
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 08:32	As and Tl Only	
8081 Pesticides	09/12/23 15:00	5	09/15/23 08:32		
T232544-53 SHS-36-1.5 [Soil] Time (US & [NO ANALYSES]					
T232544-54 SHS-36-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/01/23 08:43	(GMT-08:00) Pacific	HOLD	

Printed: 9/6/2023 9:52:24AM



WORK ORDER

T232544

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232544-55 SHS-37-0.5 [Soil] Time (US &	Sampled 09/01/23 08:40	(GMT-08:00) Pacific	
6010 Title 22	09/12/23 15:00	5	02/28/24 08:40	
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 08:40	As and Tl Only
8081 Pesticides	09/12/23 15:00	5	09/15/23 08:40	
T232544-56 SHS-37-1.5 [Soil] Time (US &	Sampled 09/01/23 08:45	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232544-57 SHS-37-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/01/23 08:50	(GMT-08:00) Pacific	HOLD
T232544-58 SHS-38-0.5 [Soil] : Time (US &	Sampled 09/01/23 08:12	(GMT-08:00) Pacific	
6010 Title 22	09/12/23 15:00	5	02/28/24 08:12	
6020 Metals by ICP-MS	09/12/23 15:00	5	12/30/23 08:12	As and Tl Only
8015 Carbon Chain	09/08/23 15:00	3	09/15/23 08:12	
8081 Pesticides	09/12/23 15:00	5	09/15/23 08:12	
8082 PCB	09/12/23 15:00	5	09/15/23 08:12	
8260 5035	09/08/23 15:00	3	09/15/23 23:59	
8270C PAH SIM	09/12/23 15:00	5	09/15/23 08:12	
T232544-59 SHS-38-1.5 [Soil] : Time (US & [NO ANALYSES]	Sampled 09/01/23 08:17	(GMT-08:00) Pacific	HOLD
T232544-60 SHS-38-3.0 [Soil] Time (US &	Sampled 09/01/23 08:22	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
Envirocheck, Inc. T232544-01 SHS-01-0.5 [Soil] : Time (US &	Sampled 09/01/23 13:15	(GMT-08:00) Pacific	
Misc. Subcontract (see notes)	09/12/23 15:00	5	02/28/24 13:15	Asbestos PLM
T232544-02 SHS-01-0.5d [Soil] Time (US &	Sampled 09/01/23 13:1	7 (GMT-08:0	0) Pacific	
Misc. Subcontract (see notes)	09/12/23 15:00	5	02/28/24 13:17	Asbestos PLM

Printed: 9/6/2023 9:52:24AM



WORK ORDER

T232544

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Project: Sylmar High School PEA-E Project Number: 3000107

Analysis Due TAT Expires Comments

Envirocheck, Inc.

T232544-43 SHS-33-0.5 [Soil] Sampled 09/01/23 08:05 (GMT-08:00) Pacific
Time (US &

02/28/24 08:05

Asbestos PLM

09/12/23 15:00

T232544-58 SHS-38-0.5 [Soil] Sampled 09/01/23 08:12 (GMT-08:00) Pacific

Time (US &

Misc. Subcontract (see notes)

Misc. Subcontract (see notes) 09/12/23 15:00 5 02/28/24 08:12 Asbestos PLM

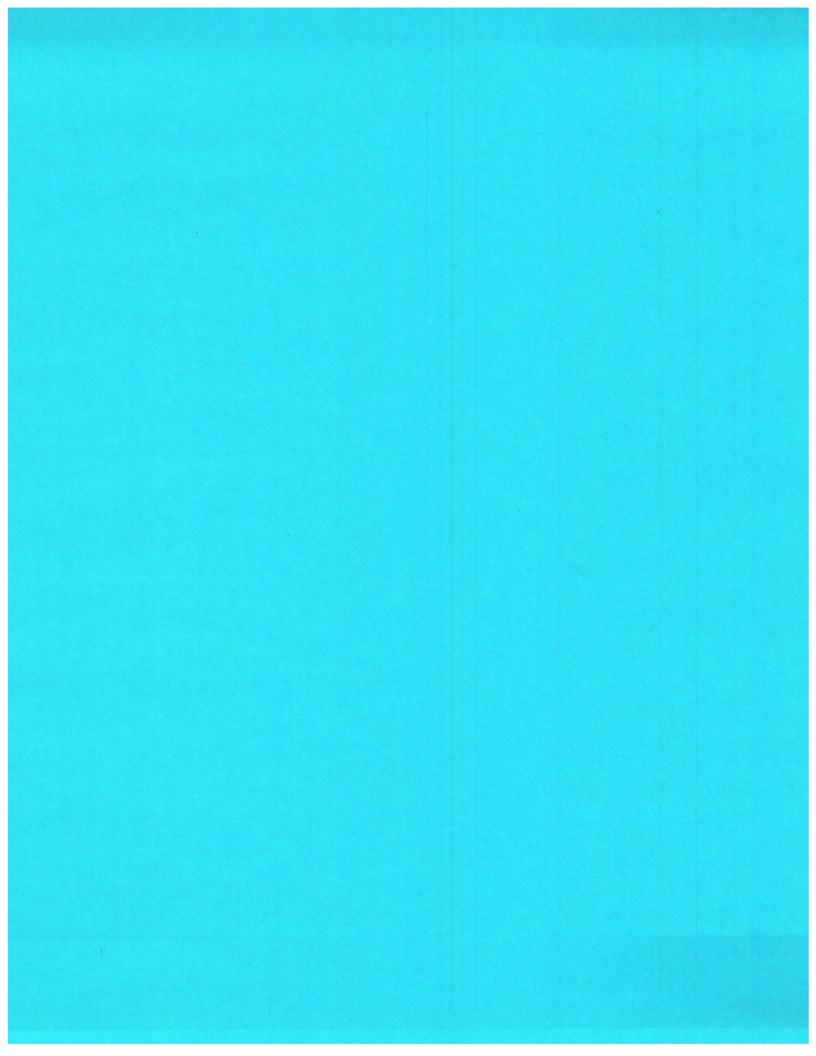
Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By

Date





SunStar
Laboratories, Inc.

Providing Quality Analytical Services Nationwide

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

04 October 2023

Bill Clarke
Clark Seif Clark - Chatsworth
21732 Devonshire Street, 2nd Floor
Chatsworth, CA 91311

RE: Sylmar High School PEA-E

Joann Marroquin

Enclosed are the results of analyses for samples received by the laboratory on 09/27/23 10:47. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joann Marroquin

Director of Operations



Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SHS-02-0.5	T232845-01	Soil	09/26/23 08:30	09/27/23 10:47
SHS-03-0.5	T232845-04	Soil	09/26/23 09:10	09/27/23 10:47
SHS-04-0.5	T232845-07	Soil	09/26/23 09:30	09/27/23 10:47
SHS-05-0.5	T232845-10	Soil	09/26/23 09:00	09/27/23 10:47
SHS-06-0.5	T232845-13	Soil	09/26/23 08:25	09/27/23 10:47
SHS-07-0.5	T232845-16	Soil	09/26/23 08:10	09/27/23 10:47
SHS-08-0.5	T232845-19	Soil	09/26/23 09:05	09/27/23 10:47
SHS-13-0.5	T232845-22	Soil	09/26/23 12:40	09/27/23 10:47
SHS-14-0.5	T232845-25	Soil	09/26/23 11:55	09/27/23 10:47
SHS-15-0.5	T232845-28	Soil	09/26/23 13:35	09/27/23 10:47
SHS-16-0.5	T232845-31	Soil	09/26/23 13:05	09/27/23 10:47
SHS-30-0.5	T232845-34	Soil	09/26/23 13:55	09/27/23 10:47
SHS-30-0.5D	T232845-35	Soil	09/26/23 13:57	09/27/23 10:47
SHS-31-0.5	T232845-38	Soil	09/26/23 13:35	09/27/23 10:47
SHS-32-0.5	T232845-40	Soil	09/26/23 12:50	09/27/23 10:47
SHS-39-0.5	T232845-43	Soil	09/26/23 11:30	09/27/23 10:47
SHS-40-0.5	T232845-46	Soil	09/26/23 11:20	09/27/23 10:47
SHS-41-0.5	T232845-49	Soil	09/26/23 11:05	09/27/23 10:47
SHS-42-0.5	T232845-51	Soil	09/26/23 10:50	09/27/23 10:47
SHS-43-0.5	T232845-54	Soil	09/26/23 10:25	09/27/23 10:47
SHS-44-0.5	T232845-57	Soil	09/26/23 10:30	09/27/23 10:47
SHS-45-0.5	T232845-60	Soil	09/26/23 10:10	09/27/23 10:47

SunStar Laboratories, Inc.

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



Clark Seif Clark - Chatsworth

Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Chatsworth CA, 91311 Project Number: 3000107
Project Manager: Bill Clarke

Reported: 10/04/23 16:49

DETECTIONS SUMMARY

Sample ID:	SHS-02-0.5	Labora	tory ID:	T232845-01		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Arsenic		5.1	2.0	mg/kg	EPA 6010b	
Barium		150	1.0	mg/kg	EPA 6010b	
Chromium		22	2.0	mg/kg	EPA 6010b	
Cobalt		11	2.0	mg/kg	EPA 6010b	
Copper		30	1.0	mg/kg	EPA 6010b	
Lead		29	3.0	mg/kg	EPA 6010b	
Nickel		16	2.0	mg/kg	EPA 6010b	
Vanadium		44	5.0	mg/kg	EPA 6010b	
Zinc		120	1.0	mg/kg	EPA 6010b	
Dieldrin		11	5.0	ug/kg	EPA 8081A	
Sample ID:	SHS-03-0.5	Labora	tory ID:	T232845-04		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		140	1.0	mg/kg	EPA 6010b	
Chromium		15	2.0	mg/kg	EPA 6010b	
Cobalt		11	2.0	mg/kg	EPA 6010b	
Copper		27	1.0	mg/kg	EPA 6010b	
Lead		27	3.0	mg/kg	EPA 6010b	
Nickel		15	2.0	mg/kg	EPA 6010b	
Vanadium		44	5.0	mg/kg	EPA 6010b	
Zinc		99	1.0	mg/kg	EPA 6010b	
Dieldrin		32	5.0	ug/kg	EPA 8081A	
Sample ID:	SHS-04-0.5	Labora	tory ID:	T232845-07		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		110	1.0	mg/kg	EPA 6010b	
Chromium		13	2.0	mg/kg	EPA 6010b	
Cobalt		9.1	2.0	mg/kg	EPA 6010b	
		22	1.0	mg/kg	EPA 6010b	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Sample ID:	SHS-04-0.5	Laborat	tory ID:	T232845-07		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		29	3.0	mg/kg	EPA 6010b	
Nickel		13	2.0	mg/kg	EPA 6010b	
Vanadium		36	5.0	mg/kg	EPA 6010b	
Zinc		90	1.0	mg/kg	EPA 6010b	
Dieldrin		100	5.0	ug/kg	EPA 8081A	
Sample ID:	SHS-05-0.5	Labora	tory ID:	T232845-10		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		180	1.0	mg/kg	EPA 6010b	
Chromium		15	2.0	mg/kg	EPA 6010b	
Cobalt		13	2.0	mg/kg	EPA 6010b	
Copper		19	1.0	mg/kg	EPA 6010b	
Lead		3.5	3.0	mg/kg	EPA 6010b	
Nickel		17	2.0	mg/kg	EPA 6010b	
Vanadium		53	5.0	mg/kg	EPA 6010b	
Zinc		59	1.0	mg/kg	EPA 6010b	
Sample ID:	SHS-06-0.5	Laborat	tory ID:	T232845-13		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		180	1.0	mg/kg	EPA 6010b	
Chromium		15	2.0	mg/kg	EPA 6010b	
Cobalt		13	2.0	mg/kg	EPA 6010b	
Copper		18	1.0	mg/kg	EPA 6010b	
Lead		4.3	3.0	mg/kg	EPA 6010b	
Nickel		18	2.0	mg/kg	EPA 6010b	
Vanadium		52	5.0	mg/kg	EPA 6010b	
Zinc		60	1.0	mg/kg	EPA 6010b	
Sample ID:	SHS-07-0.5	Labora	tory ID:	T232845-16		
			Reporting			
			Keporting			
Analyte		Result	Limit	Units	Method	Notes

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Sample ID:	SHS-07-0.5	Labora	tory ID:	T232845-16		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Chromium		15	2.0	mg/kg	EPA 6010b	
Cobalt		13	2.0	mg/kg	EPA 6010b	
Copper		18	1.0	mg/kg	EPA 6010b	
Nickel		16	2.0	mg/kg	EPA 6010b	
Vanadium		52	5.0	mg/kg	EPA 6010b	
Zinc		55	1.0	mg/kg	EPA 6010b	
Sample ID:	SHS-08-0.5	Labora	tory ID:	T232845-19		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		160	1.0	mg/kg	EPA 6010b	
Chromium		15	2.0	mg/kg	EPA 6010b	
Cobalt		13	2.0	mg/kg	EPA 6010b	
Copper		18	1.0	mg/kg	EPA 6010b	
Lead		4.2	3.0	mg/kg	EPA 6010b	
Nickel		14	2.0	mg/kg	EPA 6010b	
Vanadium		50	5.0	mg/kg	EPA 6010b	
Zinc		57	1.0	mg/kg	EPA 6010b	
Sample ID:	SHS-13-0.5	Labora	tory ID:	T232845-22		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		190	1.0	mg/kg	EPA 6010b	
Chromium		15	2.0	mg/kg	EPA 6010b	
Cobalt		13	2.0	mg/kg	EPA 6010b	
Copper		21	1.0	mg/kg	EPA 6010b	
Lead		5.3	3.0	mg/kg	EPA 6010b	
Nickel		14	2.0	mg/kg	EPA 6010b	
Vanadium		52	5.0	mg/kg	EPA 6010b	
		66	1.0	mg/kg	EPA 6010b	
Zinc		**		2 2		

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

mple ID: SHS-14-0.5	Labora	tory ID:	T232845-25		
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
C29-C40 (MORO)	71	10	mg/kg	EPA 8015B	D-06
Barium	150	1.0	mg/kg	EPA 6010b	
Chromium	14	2.0	mg/kg	EPA 6010b	
Cobalt	12	2.0	mg/kg	EPA 6010b	
Copper	17	1.0	mg/kg	EPA 6010b	
Lead	4.0	3.0	mg/kg	EPA 6010b	
Nickel	14	2.0	mg/kg	EPA 6010b	
Vanadium	47	5.0	mg/kg	EPA 6010b	
Zinc	53	1.0	mg/kg	EPA 6010b	
p-Isopropyltoluene	6.4	2.5	ug/kg	EPA 8260B/5035	
Toluene	2.7	2.5	ug/kg	EPA 8260B/5035	
Acetone	35	2.5	ug/kg	EPA 8260B/5035	5035A
Benzo (a) anthracene	380	5.0	ug/kg	EPA 8270C SIM	
Benzo (b) fluoranthene	450	10	ug/kg	EPA 8270C SIM	
Benzo (k) fluoranthene	99	10	ug/kg	EPA 8270C SIM	
Benzo (g,h,i) perylene	150	5.0	ug/kg	EPA 8270C SIM	
Benzo (a) pyrene	300	10	ug/kg	EPA 8270C SIM	
Chrysene	420	5.0	ug/kg	EPA 8270C SIM	
Fluoranthene	470	5.0	ug/kg	EPA 8270C SIM	
Indeno (1,2,3-cd) pyrene	110	5.0	ug/kg	EPA 8270C SIM	
Phenanthrene	39	5.0	ug/kg	EPA 8270C SIM	
Pyrene	440	10	ug/kg	EPA 8270C SIM	

Sample ID:	SHS-15-0.5	Laboratory ID:	T232845-28

		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Barium	140	1.0	mg/kg	EPA 6010b	
Chromium	14	2.0	mg/kg	EPA 6010b	
Cobalt	11	2.0	mg/kg	EPA 6010b	
Copper	23	1.0	mg/kg	EPA 6010b	
Lead	7.7	3.0	mg/kg	EPA 6010b	
Nickel	13	2.0	mg/kg	EPA 6010b	
Vanadium	43	5.0	mg/kg	EPA 6010b	
Zinc	55	1.0	mg/kg	EPA 6010b	

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

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported: Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Sample ID:	SHS-16-0.5	Laborat	tory ID:	T232845-31		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		160	1.0	mg/kg	EPA 6010b	
Chromium		17	2.0	mg/kg	EPA 6010b	
Cobalt		14	2.0	mg/kg	EPA 6010b	
Copper		27	1.0	mg/kg	EPA 6010b	
Lead		10	3.0	mg/kg	EPA 6010b	
Nickel		15	2.0	mg/kg	EPA 6010b	
Vanadium		52	5.0	mg/kg	EPA 6010b	
Zinc		69	1.0	mg/kg	EPA 6010b	
Sample ID:	SHS-30-0.5	Laborat	tory ID:	T232845-34		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Arsenic		6.3	2.0	mg/kg	EPA 6010b	
Barium		130	1.0	mg/kg	EPA 6010b	
Chromium		12	2.0	mg/kg	EPA 6010b	
Cobalt		9.7	2.0	mg/kg	EPA 6010b	
Copper		21	1.0	mg/kg	EPA 6010b	
Lead		15	3.0	mg/kg	EPA 6010b	
Nickel		14	2.0	mg/kg	EPA 6010b	
Vanadium		39	5.0	mg/kg	EPA 6010b	
Zinc		79	1.0	mg/kg	EPA 6010b	
Sample ID:	SHS-30-0.5D	Laborat	tory ID:	T232845-35		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Arsenic		7.2	2.0	mg/kg	EPA 6010b	
Barium		140	1.0	mg/kg	EPA 6010b	
Chromium		13	2.0	mg/kg	EPA 6010b	
Cobalt		11	2.0	mg/kg	EPA 6010b	
Copper		22	1.0	mg/kg	EPA 6010b	
Lead		10	3.0	mg/kg	EPA 6010b	
		16	2.0	mg/kg	EPA 6010b	
Nickel						
Nickel Vanadium		44	5.0	mg/kg	EPA 6010b	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Sample ID:	ample ID: SHS-31-0.5	Labora	tory ID:	T232845-38		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		110	1.0	mg/kg	EPA 6010b	
Chromium		10	2.0	mg/kg	EPA 6010b	
Cobalt		8.1	2.0	mg/kg	EPA 6010b	
Copper		15	1.0	mg/kg	EPA 6010b	
Lead		5.3	3.0	mg/kg	EPA 6010b	
Nickel		11	2.0	mg/kg	EPA 6010b	
Vanadium		35	5.0	mg/kg	EPA 6010b	
Zinc		42	1.0	mg/kg	EPA 6010b	
Sample ID:	SHS-32-0.5	Labora	tory ID:	T232845-40		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Arsenic		6.8	2.0	mg/kg	EPA 6010b	
Barium		150	1.0	mg/kg	EPA 6010b	
Chromium		13	2.0	mg/kg	EPA 6010b	
Cobalt		11	2.0	mg/kg	EPA 6010b	
Copper		20	1.0	mg/kg	EPA 6010b	
Lead		6.2	3.0	mg/kg	EPA 6010b	
Nickel		15	2.0	mg/kg	EPA 6010b	
Vanadium		45	5.0	mg/kg	EPA 6010b	
Zinc		54	1.0	mg/kg	EPA 6010b	
Dieldrin		22	5.0	ug/kg	EPA 8081A	
Sample ID:	SHS-39-0.5	Labora	tory ID:	T232845-43		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		180	1.0	mg/kg	EPA 6010b	
Chromium		16	2.0	mg/kg	EPA 6010b	
Cobalt		13	2.0	mg/kg	EPA 6010b	
Copper		22	1.0	mg/kg	EPA 6010b	
Lead		24	3.0	mg/kg	EPA 6010b	
Nickel		17	2.0	mg/kg	EPA 6010b	
Vanadium		53	5.0	mg/kg	EPA 6010b	

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

		T232845-46	ole ID: SHS-40-0.5 Laboratory ID:	Sample ID:		
			Reporting			
Not	Method	Units	Limit	Result		Analyte
	EPA 6010b	mg/kg	2.0	2.1		Arsenic
	EPA 6010b	mg/kg	1.0	110		Barium
	EPA 6010b	mg/kg	2.0	12		Chromium
	EPA 6010b	mg/kg	2.0	8.7		Cobalt
	EPA 6010b	mg/kg	1.0	25		Copper
	EPA 6010b	mg/kg	3.0	18		Lead
	EPA 6010b	mg/kg	2.0	12		Nickel
	EPA 6010b	mg/kg	5.0	34		Vanadium
	EPA 6010b	mg/kg	1.0	110		Zinc
		T232845-49	tory ID:	Labor	SHS-41-0.5	Sample ID:
			Reporting			
Not	Method	Units	Limit	Result		Analyte
	EPA 6010b	mg/kg	1.0	75		Barium
	EPA 6010b	mg/kg	2.0	7.9		Chromium
	EPA 6010b	mg/kg	2.0	5.9		Cobalt
	EPA 6010b	mg/kg	1.0	18		Copper
	EPA 6010b	mg/kg	3.0	14		Lead
	EPA 6010b	mg/kg	2.0	7.5		Nickel
	EPA 6010b	mg/kg	5.0	23		Vanadium
	EPA 6010b	mg/kg	1.0	74		Zinc
		T232845-51	tory ID:	Labor	SHS-42-0.5	Sample ID:
			Reporting			
Not	Method	Units	Limit	Result		Analyte
	EPA 6010b	mg/kg	1.0	140		Barium
	EPA 6010b	mg/kg	2.0	14		Chromium
	EPA 6010b	mg/kg	2.0	10		Cobalt
	EPA 6010b	mg/kg	1.0	24		Copper
	EPA 6010b	mg/kg	3.0	16		Lead
	EPA 6010b	mg/kg	2.0	13		Nickel
	EPA 6010b	mg/kg	5.0	39		Vanadium
		mg/kg	1.0	91		Zinc
	EPA 6010b	mg/kg	1.0	71		Zinc

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Sample ID: S	HS-43-0.5	Labora	tory ID:	T232845-54		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Arsenic		13	2.0	mg/kg	EPA 6010b	
Barium		140	1.0	mg/kg	EPA 6010b	
Chromium		14	2.0	mg/kg	EPA 6010b	
Cobalt		10	2.0	mg/kg	EPA 6010b	
Copper		34	1.0	mg/kg	EPA 6010b	
Lead		29	3.0	mg/kg	EPA 6010b	
Nickel		13	2.0	mg/kg	EPA 6010b	
Vanadium		40	5.0	mg/kg	EPA 6010b	
Zinc		150	1.0	mg/kg	EPA 6010b	
Mercury		0.13	0.10	mg/kg	EPA 7471A Soil	
Sample ID: Si	HS-44-0.5	Labora	tory ID:	T232845-57		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
C29-C40 (MORO	0)	47	10	mg/kg	EPA 8015B	D-06
Barium		180	1.0	mg/kg	EPA 6010b	
Chromium		15	2.0	mg/kg	EPA 6010b	
Cobalt		13	2.0	mg/kg	EPA 6010b	
Copper		21	1.0	mg/kg	EPA 6010b	
Lead		4.7	3.0	mg/kg	EPA 6010b	
Nickel		14	2.0	mg/kg	EPA 6010b	
Vanadium		52	5.0	mg/kg	EPA 6010b	
Zinc		62	1.0	mg/kg	EPA 6010b	
Mercury		0.18	0.10	mg/kg	EPA 7471A Soil	
Acetone		21	2.0	ug/kg	EPA 8260B/5035	5035A
Sample ID: Si	HS-45-0.5	Labora	tory ID:	T232845-60		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		170	1.0	mg/kg	EPA 6010b	
Chromium		16	2.0	mg/kg	EPA 6010b	
Cobalt		13	2.0	mg/kg	EPA 6010b	
Copper		26	1.0	mg/kg	EPA 6010b	
Lead		10	3.0	mg/kg	EPA 6010b	
Nickel		15	2.0	mg/kg	EPA 6010b	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Sample ID: SHS-45-0.5	Laboratory	ID:	T232845-60		
	Re	porting			
Analyte	Result	Limit	Units	Method	Notes
Vanadium	51	5.0	mg/kg	EPA 6010b	
Zinc	75	1.0	mg/kg	EPA 6010b	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-02-0.5 T232845-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	ahoratori	es. Inc.					
Metals by EPA 6010B				,					
Antimony	ND	4.0	mg/kg	1	23I0457	09/28/23	10/02/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	5.1	2.0	"	"	,,	"	"	"	
Barium	150	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/02/23	,,	
Cadmium	ND	2.0	"	"	"	"	10/02/23	"	
Chromium	22	2.0	"	"	,,	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	30	1.0	"	"	"	"	"	"	
Lead	29	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	16	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	44	5.0	"	"	"	"	"	"	
Zinc	120	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/74	17 1								
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA	Method 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/02/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	,,	
gamma-Chlordane	ND	5.0	"	"	"	"	"	,,	
alpha-Chlordane	ND	5.0	"	"	"	"	"	,,	
Endosulfan I	ND	5.0	"	"	,,	,,	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	11	5.0	"	,,	,,	,,	,,	,,	

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21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-02-0.5 T232845-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Meth	od 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/02/23	EPA 8081A	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		41.4 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		22.5 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-03-0.5 T232845-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0457	09/28/23	10/02/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	140	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	15	2.0	"	"	"	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	27	1.0	"	"	"	"	"	"	
Lead	27	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	15	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	44	5.0	"	"	"	"	"	"	
Zinc	99	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method	8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	32	5.0	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-03-0.5 T232845-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratorio	es, Inc.					
Organochlorine Pesticides by EPA	Method 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		31.7 %	35-1	'40	"	"	"	"	S-GC
Surrogate: Decachlorobiphenyl		14.0 %	35-1	'40	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-04-0.5 T232845-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0457	09/28/23	10/02/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	110	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/02/23	"	
Cadmium	ND	2.0	"	"	"	"	10/02/23	"	
Chromium	13	2.0	"	"	"	"	"	"	
Cobalt	9.1	2.0	"	"	"	"	"	"	
Copper	22	1.0	"	"	"	"	"	"	
Lead	29	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	13	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	36	5.0	"	"	"	"	"	"	
Zinc	90	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method	8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"		,,	"	"	
alpha-Chlordane	ND	5.0	"	"	,,	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	,,	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	100	5.0	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-04-0.5 T232845-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA M	1ethod 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		37.9 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		16.5 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-05-0.5 T232845-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0457	09/28/23	10/02/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	180	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	15	2.0	"	"	"	"	"	"	
Cobalt	13	2.0	"	"	"	"	"	"	
Copper	19	1.0	"	"	"	"	"	"	
Lead	3.5	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	17	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	53	5.0	"	"	"	"	"	"	
Zinc	59	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method	l 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	,,	"	"	
alpha-Chlordane	ND	5.0	"	"	"	,,	,,	,,	
Endosulfan I	ND	5.0	"	"	"	"	,,	"	
	ND	5.0	"	"	,,	,	,,	,,	
4,4'-DDE	NI)	7 11		"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-05-0.5 T232845-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratorio	es, Inc.					
Organochlorine Pesticides by EPA	Method 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		56.7 %	35-1	40	"	"	"	"	
Surrogate: Decachlorobiphenyl		53.3 %	35-1	40	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-06-0.5 T232845-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0457	09/28/23	10/02/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	180	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/02/23	"	
Cadmium	ND	2.0	"	"	"	"	10/02/23	"	
Chromium	15	2.0	"	"	"	"	"	"	
Cobalt	13	2.0	"	"	"	"	"	"	
Copper	18	1.0	"	"	"	"	"	"	
Lead	4.3	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	18	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	52	5.0	"	"	"	"	"	"	
Zinc	60	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method	d 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	,,	
Dieldrin	ND	5.0	,,	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-06-0.5 T232845-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA M	Iethod 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		53.8 %	35-1	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		45.1 %	35-1	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-07-0.5 T232845-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0457	09/28/23	10/02/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/02/23	"	
Arsenic	ND	2.0	"	"	"	"	10/02/23	"	
Barium	180	1.0	"	"	"	"	10/02/23	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/02/23	"	
Chromium	15	2.0	"	"	"	"	10/02/23	"	
Cobalt	13	2.0	"	"	"	"	10/02/23	"	
Copper	18	1.0	"	"	"	"	10/02/23	"	
Lead	ND	3.0	"	"	"	"	10/02/23	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	16	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	10/02/23	"	
Vanadium	52	5.0	"	"	"	"	"	"	
Zinc	55	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method	d 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-07-0.5 T232845-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA M	Iethod 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		54.8 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		44.0 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-08-0.5 T232845-19 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0457	09/28/23	10/02/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	160	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	15	2.0	"	"	"	"	"	"	
Cobalt	13	2.0	"	"	"	"	"	"	
Copper	18	1.0	"	"	"	"	"	"	
Lead	4.2	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	14	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	50	5.0	"	"	"	"	"	"	
Zinc	57	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Met	thod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	,,	"	"	
4,4'-DDE	ND	5.0	"	"	"	,,	"	,,	
Dieldrin	ND	5.0	"	,,	"	,,	,,	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-08-0.5 T232845-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratorio	es, Inc.					
Organochlorine Pesticides by EPA	Method 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		61.6 %	35-1	'40	"	"	"	"	
Surrogate: Decachlorobiphenyl		55.7 %	35-1	'40	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-13-0.5 T232845-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0457	09/28/23	10/02/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	190	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/02/23	"	
Cadmium	ND	2.0	"	"	"	"	10/02/23	"	
Chromium	15	2.0	"	"	"	"	"	"	
Cobalt	13	2.0	"	"	"	"	"	"	
Copper	21	1.0	"	"	"	"	"	"	
Lead	5.3	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	14	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	52	5.0	"	"	"	"	"	"	
Zinc	66	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Metho	d 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	,,	
4,4'-DDE	14	5.0	,,	,,	"	"	"	"	
Dieldrin	ND	5.0	,,	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-13-0.5 T232845-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA M	ethod 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		67.3 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		64.4 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-14-0.5 T232845-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbons by 80	15B								
C6-C12 (GRO)	ND	10	mg/kg	1	23I0500	09/28/23	09/28/23	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	D-06
C29-C40 (MORO)	71	10	"	"	"	"	"	"	D-06
Surrogate: p-Terphenyl		94.3 %	65-	135	"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0457	09/28/23	10/02/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/02/23	"	
Arsenic	ND	2.0	"	"	"	"	10/02/23	"	
Barium	150	1.0	"	"	"	"	10/02/23	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/02/23	"	
Chromium	14	2.0	"	"	"	"	10/02/23	"	
Cobalt	12	2.0	"	"	"	"	10/02/23	"	
Copper	17	1.0	"	"	"	"	10/02/23	"	
Lead	4.0	3.0	"	"	"	"	10/02/23	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	14	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	10/02/23	"	
Vanadium	47	5.0	"	"	"	"	"	"	
Zinc	53	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A	

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Joann Marroquin

Soil



Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-14-0.5 T232845-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Me	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		66.9 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		72.1 %	35-	140	"	"	"	"	
Polychlorinated Biphenyls by EPA Mo	ethod 8082								
Aroclor-1016	ND	10	ug/kg	1	23I0511	09/28/23	09/29/23	EPA 8082	
Aroclor-1221	ND	10	"	"	"	"	"	"	
Aroclor-1232	ND	10	"	"	"	"	"	"	
Aroclor-1242	ND	10	"	"	"	"	"	"	
Aroclor-1248	ND	10	"	"	"	"	"	"	
Aroclor-1254	ND	10	"	"	"	"	"	"	
Aroclor-1260	ND	10	"	"	"	,,	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-14-0.5 T232845-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Polychlorinated Biphenyls by EPA M	ethod 8082								
Surrogate: Tetrachloro-meta-xylene		92.2 %	35-	140	2310511	09/28/23	09/29/23	EPA 8082	
Surrogate: Decachlorobiphenyl		88.4 %	35-	140	"	"	"	"	
Volatile Organic Compounds by EPA	Method 8260B								
Bromobenzene	ND	2.5	ug/kg	1	23I0429	09/28/23	09/29/23	EPA 8260B/5035	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-14-0.5 T232845-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Volatile Organic Compounds by EP	A Method 8260B								
1,2-Dichloropropane	ND	2.5	ug/kg	1	23I0429	09/28/23	09/29/23	EPA 8260B/5035	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	6.4	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	2.7	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Acetone	35	2.5	"	"	"	"	"	"	5035A

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-14-0.5 T232845-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
Methyl ethyl ketone	ND	5.0	ug/kg	1	23I0429	09/28/23	09/29/23	EPA 8260B/5035	
Methyl isobutyl ketone	ND	5.0	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	2.5	"	"	"	"	"	"	
Surrogate: Toluene-d8		99.8 %	76.1	-127	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.8 %	85.9	-114	"	"	"	"	
Surrogate: Dibromofluoromethane		90.3 %	77.8	-142	"	"	"	"	
Dalvanalaan Anamatia Campa J- b	CC/MC with Calt-	d Ion Mor!4-							
Polynuclear Aromatic Compounds by	ND	<u>a ion Monito</u> 10		1	23I0504	09/28/23	09/28/23	EPA 8270C	
Acenaphthene	ND	10	ug/kg	1	2310304	09/28/23	09/28/23	SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	380	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	450	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	99	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	150	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	300	10	"	"	"	"	"	"	
Chrysene	420	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	470	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	110	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	39	5.0	"	"	"	"	"	"	
Pyrene	440	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		90.0 %	18-	137	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-15-0.5 T232845-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0457	09/28/23	10/02/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	140	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	14	2.0	"	"	"	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	23	1.0	"	"	"	"	"	"	
Lead	7.7	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	13	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	43	5.0	"	"	"	"	"	"	
Zinc	55	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7-	471								
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA	Method 8081A								
alpha-BHC	ND	50	ug/kg	10	23I0507	09/28/23	10/03/23	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	R-07
beta-BHC	ND	50	"	"	"	"	"	"	R-07
delta-BHC	ND	50	"	"	"	"	"	"	R-07
Heptachlor	ND	50	"	"	"	"	"	"	R-07
Aldrin	ND	50	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	50	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	50	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	50	"	"	"	"	"	"	R-07
Endosulfan I	ND	50	"	"	"	"	"	"	R-07
4,4'-DDE	ND	50	"	"	"	"	"	"	R-07
Dieldrin	ND	50	"	,,	,,	,,	"	"	R-07

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-15-0.5 T232845-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA	Method 8081A								
Endrin	ND	50	ug/kg	10	23I0507	09/28/23	10/03/23	EPA 8081A	R-07
4,4'-DDD	ND	50	"	"	"	"	"	"	R-07
Endosulfan II	ND	50	"	"	"	"	"	"	R-07
4,4'-DDT	ND	50	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	50	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	50	"	"	"	"	"	"	R-07
Methoxychlor	ND	50	"	"	"	"	"	"	R-07
Endrin ketone	ND	50	"	"	"	"	"	"	R-07
Toxaphene	ND	200	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		85.3 %	35-	140	"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		59.7 %	35-	140	"	"	"	"	R-07

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-16-0.5 T232845-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0457	09/28/23	10/02/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	160	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/02/23	"	
Cadmium	ND	2.0	"	"	"	"	10/02/23	"	
Chromium	17	2.0	"	"	"	"	"	"	
Cobalt	14	2.0	"	"	"	"	"	"	
Copper	27	1.0	"	"	"	"	"	"	
Lead	10	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	15	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	52	5.0	"	"	"	"	"	"	
Zinc	69	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7	471								
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA	Method 8081A								
alpha-BHC	ND	50	ug/kg	10	23I0507	09/28/23	10/03/23	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	R-07
beta-BHC	ND	50	"	"	"	"	"	"	R-07
delta-BHC	ND	50	"	"	"	"	"	"	R-07
Heptachlor	ND	50	"	"	"	"	"	"	R-07
Aldrin	ND	50	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	50	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	50	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	50	"	"	"	"	"	"	R-07
Endosulfan I	ND	50	"	"	"	"	"	"	R-07
4,4'-DDE	ND	50	"	"	"	"	"	"	R-07
Dieldrin	ND	50	"	,,	,,	"	"	"	R-07

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-16-0.5 T232845-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA	Method 8081A								
Endrin	ND	50	ug/kg	10	23I0507	09/28/23	10/03/23	EPA 8081A	R-07
4,4'-DDD	ND	50	"	"	"	"	"	"	R-07
Endosulfan II	ND	50	"	"	"	"	"	"	R-07
4,4'-DDT	ND	50	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	50	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	50	"	"	"	"	"	"	R-07
Methoxychlor	ND	50	"	"	"	"	"	"	R-07
Endrin ketone	ND	50	"	"	"	"	"	"	R-07
Toxaphene	ND	200	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		72.6 %	35-	140	"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		36.4 %	35-	140	"	"	"	"	R-07

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-30-0.5 T232845-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0457	09/28/23	10/02/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	6.3	2.0	"	"	"	"	"	"	
Barium	130	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	12	2.0	"	"	"	"	"	"	
Cobalt	9.7	2.0	"	"	"	"	"	"	
Copper	21	1.0	"	"	"	"	"	"	
Lead	15	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	14	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	39	5.0	"	"	"	"	"	"	
Zinc	79	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/74	171								
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA	Method 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	,,	"	"	"	
Heptachlor	ND	5.0	"	"	,,	"	"	"	
Aldrin	ND	5.0	"	"	"	"	,,	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	,,	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"		,,	"	"	
Endosulfan I	ND ND	5.0	"	,,	,,	,,	"	"	
4,4'-DDE	ND ND	5.0	"	"	"	"	"	"	
			"	,,	.,	,	,,	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-30-0.5 T232845-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA M	Method 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		33.3 %	35-	140	"	"	"	"	S-03
Surrogate: Decachlorobiphenyl		13.7 %	35-	140	"	"	"	"	S-03

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-30-0.5D T232845-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0457	09/28/23	10/02/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	7.2	2.0	"	"	"	"	"	"	
Barium	140	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/02/23	"	
Cadmium	ND	2.0	"	"	"	"	10/02/23	"	
Chromium	13	2.0	"	"	"	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	22	1.0	"	"	"	"	"	"	
Lead	10	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	16	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	44	5.0	"	"	"	"	"	"	
Zinc	71	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Met	hod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	,,	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-30-0.5D T232845-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA	Method 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		45.9 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		22.6 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-31-0.5 T232845-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0505	09/28/23	10/03/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/03/23	"	
Arsenic	ND	2.0	"	"	"	"	10/03/23	"	
Barium	110	1.0	"	"	"	"	10/03/23	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/03/23	"	
Chromium	10	2.0	"	"	"	"	"	"	
Cobalt	8.1	2.0	"	"	"	"	"	"	
Copper	15	1.0	"	"	"	"	10/03/23	"	
Lead	5.3	3.0	"	"	"	"	10/03/23	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	11	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	10/03/23	"	
Vanadium	35	5.0	"	"	"	"	"	"	
Zinc	42	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Met	thod 8081A								
alpha-BHC	ND	50	ug/kg	10	23I0507	09/28/23	10/03/23	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	R-07
beta-BHC	ND	50	"	"	"	"	"	"	R-07
delta-BHC	ND	50	"	"	"	"	"	"	R-07
Heptachlor	ND	50	"	"	"	"	"	"	R-07
Aldrin	ND	50	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	50	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	50	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	50	"	"	"	"	"	"	R-07
Endosulfan I	ND	50	"	"	"	"	"	"	R-07
4,4'-DDE	ND	50	"	"	"	"	"	"	R-07
Dieldrin	ND	50	"	"	"	"	"	"	R-07

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-31-0.5 T232845-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA	Method 8081A								
Endrin	ND	50	ug/kg	10	23I0507	09/28/23	10/03/23	EPA 8081A	R-07
4,4'-DDD	ND	50	"	"	"	"	"	"	R-07
Endosulfan II	ND	50	"	"	"	"	"	"	R-07
4,4'-DDT	ND	50	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	50	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	50	"	"	"	"	"	"	R-07
Methoxychlor	ND	50	"	"	"	"	"	"	R-07
Endrin ketone	ND	50	"	"	"	"	"	"	R-07
Toxaphene	ND	200	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		84.2 %	35-	140	"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		72.1 %	35-	140	"	"	"	"	R-07

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-32-0.5 T232845-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0505	09/28/23	10/03/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	6.8	2.0	"	"	"	"	"	"	
Barium	150	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	13	2.0	"	"	"	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	20	1.0	"	"	"	"	"	"	
Lead	6.2	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	15	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	45	5.0	"	"	"	"	"	"	
Zinc	54	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/74	71								
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA N	Method 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	,,	
Dieldrin	22	5.0	,,	,,	,,	,,	,,	,,	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-32-0.5 T232845-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA M	1ethod 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		68.8 %	35-1	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		64.8 %	35-1	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-39-0.5 T232845-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0505	09/28/23	10/03/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	180	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/03/23	"	
Cadmium	ND	2.0	"	"	"	"	10/03/23	"	
Chromium	16	2.0	"	"	"	"	"	"	
Cobalt	13	2.0	"	"	"	"	"	"	
Copper	22	1.0	"	"	"	"	"	"	
Lead	24	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	17	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	53	5.0	"	"	"	"	"	"	
Zinc	66	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method	d 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	,,	
Dieldrin	ND	5.0	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-39-0.5 T232845-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA M	1ethod 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		58.0 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		42.2 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-40-0.5 T232845-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0505	09/28/23	10/03/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	2.1	2.0	"	"	"	"	"	"	
Barium	110	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	12	2.0	"	"	"	"	"	"	
Cobalt	8.7	2.0	"	"	"	"	"	"	
Copper	25	1.0	"	"	"	"	"	"	
Lead	18	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	12	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	34	5.0	"	"	"	"	"	"	
Zinc	110	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0499	09/28/23	10/04/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Metho	od 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	,,	
Endosulfan I	ND	5.0	"	"	,,	,,	"	"	
4,4'-DDE	ND	5.0	,,	"	"	,,	,,	,,	
4 4 -DDE									

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-40-0.5 T232845-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method	8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		50.7 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		27.7 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-41-0.5 T232845-49 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0505	09/28/23	10/03/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	75	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/03/23	"	
Cadmium	ND	2.0	"	"	"	"	10/03/23	"	
Chromium	7.9	2.0	"	"	"	"	"	"	
Cobalt	5.9	2.0	"	"	"	"	"	"	
Copper	18	1.0	"	"	"	"	"	"	
Lead	14	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	7.5	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	23	5.0	"	"	"	"	"	"	
Zinc	74	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0508	09/28/23	10/02/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method	8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-41-0.5 T232845-49 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA M	ethod 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		24.9 %	35-	140	"	"	"	"	S-03
Surrogate: Decachlorobiphenyl		13.5 %	35-	140	"	"	"	"	S-03

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-42-0.5 T232845-51 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0505	09/28/23	10/03/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	140	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	14	2.0	"	"	"	"	"	"	
Cobalt	10	2.0	"	"	"	"	"	"	
Copper	24	1.0	"	"	"	"	"	"	
Lead	16	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	13	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	39	5.0	"	"	"	"	"	"	
Zinc	91	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	0.16	0.10	mg/kg	1	2310508	09/28/23	10/02/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method	8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-42-0.5 T232845-51 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA M	Iethod 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		60.8 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		47.5 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-43-0.5 T232845-54 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0505	09/28/23	10/03/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	13	2.0	"	"	"	"	"	"	
Barium	140	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/03/23	"	
Cadmium	ND	2.0	"	"	"	"	10/03/23	"	
Chromium	14	2.0	"	"	"	"	"	"	
Cobalt	10	2.0	"	"	"	"	"	"	
Copper	34	1.0	"	"	"	"	"	"	
Lead	29	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	13	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	40	5.0	"	"	"	"	"	"	
Zinc	150	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/747	1								
Mercury	0.13	0.10	mg/kg	1	23I0508	09/28/23	10/02/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Mo	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	,,	
4,4'-DDE	ND	5.0	"	,,	"	"	"	"	
Dieldrin	ND	5.0	"	,,	,,	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-43-0.5 T232845-54 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratorie	es, Inc.					
Organochlorine Pesticides by EPA Mo	ethod 8081A								
Endrin	ND	5.0	ug/kg	1	23I0507	09/28/23	10/03/23	EPA 8081A	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		44.5 %	35-1	40	"	"	"	"	
Surrogate: Decachlorobiphenyl		18.2 %	35-1	40	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-44-0.5 T232845-57 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Extractable Petroleum Hydrocarbo	ons by 8015B								
C6-C12 (GRO)	ND	10	mg/kg	1	23I0500	09/28/23	09/28/23	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	47	10	"	"	"	"	"	"	D-06
Surrogate: p-Terphenyl		96.6 %	65-	135	"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0505	09/28/23	10/03/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/03/23	"	
Arsenic	ND	2.0	"	"	"	"	10/03/23	"	
Barium	180	1.0	"	"	"	"	10/03/23	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/03/23	"	
Chromium	15	2.0	"	"	"	"	10/03/23	"	
Cobalt	13	2.0	"	"	"	"	10/03/23	"	
Copper	21	1.0	"	"	"	"	10/03/23	"	
Lead	4.7	3.0	"	"	"	"	10/03/23	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	14	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	10/03/23	"	
Vanadium	52	5.0	"	"	"	"	"	"	
Zinc	62	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7	471								
Mercury	0.18	0.10	mg/kg	1	23I0508	09/28/23	10/02/23	EPA 7471A Soil	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-44-0.5 T232845-57 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Me	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0510	09/28/23	09/29/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		66.3 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		55.6 %	35-	140	"	"	"	"	
Polychlorinated Biphenyls by EPA Mo	ethod 8082								
Aroclor-1016	ND	10	ug/kg	1	23I0511	09/28/23	09/29/23	EPA 8082	
Aroclor-1221	ND	10	"	"	"	"	"	"	
Aroclor-1232	ND	10	"	"	"	"	"	"	
Aroclor-1242	ND	10	"	"	"	"	"	"	
Aroclor-1248	ND	10	"	"	"	"	"	"	
Aroclor-1254	ND	10	"	"	"	"	"	"	
Aroclor-1260	ND	10	"	"	"	,,	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-44-0.5 T232845-57 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Polychlorinated Biphenyls by EPA Me	ethod 8082								
Surrogate: Tetrachloro-meta-xylene		97.5 %	35-	140	2310511	09/28/23	09/29/23	EPA 8082	
Surrogate: Decachlorobiphenyl		74.2 %	35-	140	"	"	"	"	
Volatile Organic Compounds by EPA	Method 8260B								
Bromobenzene	ND	2.0	ug/kg	1	23I0429	09/28/23	09/29/23	EPA 8260B/5035	
Bromochloromethane	ND	2.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.0	"	"	"	"	"	"	
Bromoform	ND	2.0	"	"	"	"	"	"	
Bromomethane	ND	2.0	"	"	"	"	"	"	
n-Butylbenzene	ND	2.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.0	"	"	"	"	"	"	
Chlorobenzene	ND	2.0	"	"	"	"	"	"	
Chloroethane	ND	2.0	"	"	"	"	"	"	
Chloroform	ND	2.0	"	"	"	"	"	"	
Chloromethane	ND	2.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
Dibromochloromethane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.0	"	"	"	"	"	"	
Dibromomethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	•	
1,1-Dichloroethene	ND	2.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-44-0.5 T232845-57 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Volatile Organic Compounds by EPA	A Method 8260B								
1,2-Dichloropropane	ND	2.0	ug/kg	1	23I0429	09/28/23	09/29/23	EPA 8260B/5035	
1,3-Dichloropropane	ND	2.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.0	"	"	"	"	"	"	
Isopropylbenzene	ND	2.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.0	"	"	"	"	"	"	
Methylene chloride	ND	8.0	"	"	"	"	"	"	
Naphthalene	ND	2.0	"	"	"	"	"	"	
n-Propylbenzene	ND	2.0	"	"	"	"	"	"	
Styrene	ND	2.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	
Tetrachloroethene	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.0	"	"	"	"	"	"	
Trichloroethene	ND	2.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	,,	
1,2,4-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
Vinyl chloride	ND	2.0	,,	"	"	"	"	"	
Benzene	ND	2.0	,,	"	"	"	"	"	
Toluene	ND	2.0	"	,,	,,	,,	,,	"	
Ethylbenzene	ND	2.0	"	"	"	"	"	"	
m,p-Xylene	ND	4.0		,,	,,	"	,,	"	
o-Xylene	ND ND	2.0	,,	,,	,,	,,	,,	,,	
0-Aylene	מא	2.0							

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-44-0.5 T232845-57 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
Acetone	21	2.0	ug/kg	1	23I0429	09/28/23	09/29/23	EPA 8260B/5035	5035A
Methyl ethyl ketone	ND	4.0	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	4.0	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	2.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		100 %	76.1	-127	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	85.9	0-114	"	"	"	"	
Surrogate: Dibromofluoromethane		86.2 %	77.8	2-142	"	"	"	"	
Polynuclear Aromatic Compounds by	GC/MS with Selected	d Ion Monito	oring						
Acenaphthene	ND	10	ug/kg	1	23I0504	09/28/23	09/28/23	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		88.8 %	18-	137	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-45-0.5 T232845-60 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23I0505	09/28/23	10/03/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	170	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	16	2.0	"	"	"	"	"	"	
Cobalt	13	2.0	"	"	"	"	"	"	
Copper	26	1.0	"	"	"	"	"	"	
Lead	10	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	15	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	51	5.0	"	"	"	"	"	"	
Zinc	75	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23I0508	09/28/23	10/02/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method	8081A								
alpha-BHC	ND	5.0	ug/kg	1	23I0510	09/28/23	09/29/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

SHS-45-0.5 T232845-60 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratorio	es, Inc.					
Organochlorine Pesticides by EPA Me	ethod 8081A								
Endrin	ND	5.0	ug/kg	1	23I0510	09/28/23	09/29/23	EPA 8081A	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		64.0 %	35-1	'40	"	"	"	"	
Surrogate: Decachlorobiphenyl		61.2 %	35-1	'40	"	"	"	"	

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Clark Seif Clark - Chatsworth

Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Chatsworth CA, 91311 Project Manager: Bill Clarke

Reported:

10/04/23 16:49

Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 23I0500 - EPA 3550B GC										
Blank (23I0500-BLK1)				Prepared &	: Analyzed:	09/28/23				
C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	81.8		"	100		81.8	65-135			
LCS (23I0500-BS1)				Prepared &	Analyzed:	09/28/23				
C13-C28 (DRO)	500	10	mg/kg	500		99.4	75-125			
Surrogate: p-Terphenyl	80.8		"	100		80.8	65-135			
LCS Dup (23I0500-BSD1)				Prepared &	Analyzed:	09/28/23				
C13-C28 (DRO)	520	10	mg/kg	500		104	75-125	4.60	20	
Surrogate: p-Terphenyl	95.8		"	100		95.8	65-135			

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RPD

%REC

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Reporting

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Spike

Source

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 23I0457 - EPA 3050B										
Blank (23I0457-BLK1)				Prepared: ()9/26/23 Aı	nalyzed: 10	/02/23			
Antimony	ND	4.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	2.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							
LCS (23I0457-BS1)				Prepared: (09/26/23 At	nalyzed: 10	/02/23			
Arsenic	103	2.0	mg/kg	100		103	75-125			
Barium	106	1.0	"	100		106	75-125			
Cadmium	106	2.0	"	100		106	75-125			
Chromium	105	2.0	"	100		105	75-125			
Lead	105	3.0	"	100		105	75-125			
Matrix Spike (23I0457-MS1)	Sourc	e: T232818-	01	Prepared: (09/26/23 At	nalyzed: 10	/02/23			
Arsenic	84.1	2.0	mg/kg	100	3.87	80.2	75-125			
Barium	168	1.0	"	100	82.1	86.0	75-125			
Cadmium	74.7	2.0	"	100	0.632	74.1	75-125			QM-0
Chromium	85.5	2.0	"	100	10.2	75.3	75-125			
Lead	77.0	3.0	"	100	4.52	72.4	75-125			QM-0

SunStar Laboratories, Inc.

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RPD

%REC

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Reporting

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Spike

Source

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 23I0457 - EPA 3050B										
Matrix Spike Dup (23I0457-MSD1)	Sour	ce: T232818-	-01	Prepared: (09/26/23 A	nalyzed: 10	/02/23			
Arsenic	93.1	2.0	mg/kg	100	3.87	89.2	75-125	10.2	20	
Barium	170	1.0	"	100	82.1	88.2	75-125	1.31	20	
Cadmium	84.2	2.0	"	100	0.632	83.6	75-125	11.9	20	
Chromium	96.7	2.0	"	100	10.2	86.5	75-125	12.3	20	
Lead	88.2	3.0	"	100	4.52	83.7	75-125	13.6	20	
Batch 23I0505 - EPA 3050B										
Blank (2310505-BLK1)				Prepared: (09/28/23 A	nalyzed: 10	/03/23			
Antimony	ND	4.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	2.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							
LCS (2310505-BS1)				Prepared: (09/28/23 A	nalyzed: 10	/03/23			
Arsenic	88.8	2.0	mg/kg	100		88.8	75-125			
Barium	89.9	1.0	"	100		89.9	75-125			
Cadmium	94.2	2.0	"	100		94.2	75-125			
Chromium	88.7	2.0	"	100		88.7	75-125			
Lead	91.5	3.0	"	100		91.5	75-125			

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 23I0505 - EPA 3050B										
Matrix Spike (23I0505-MS1)	Sour	rce: T232845-	38	Prepared: (09/28/23 A	nalyzed: 10	/03/23			
Arsenic	62.1	2.0	mg/kg	100	ND	62.1	75-125			QM-05
Barium	174	1.0	"	100	113	61.7	75-125			QM-05
Cadmium	66.6	2.0	"	100	0.650	65.9	75-125			QM-05
Chromium	68.9	2.0	"	100	10.3	58.6	75-125			QM-05
Lead	67.0	3.0	"	100	5.32	61.7	75-125			QM-05
Matrix Spike Dup (23I0505-MSD1)	Sour	rce: T232845-	38	Prepared: (09/28/23 A	nalyzed: 10	/03/23			
Arsenic	64.8	2.0	mg/kg	100	ND	64.8	75-125	4.26	20	QM-05
Barium	166	1.0	"	100	113	52.9	75-125	5.22	20	QM-05
Cadmium	69.0	2.0	"	100	0.650	68.3	75-125	3.53	20	QM-05
Chromium	71.4	2.0	"	100	10.3	61.2	75-125	3.65	20	QM-05
Lead	69.9	3.0	"	100	5.32	64.6	75-125	4.19	20	QM-05

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	·
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 23I0499 - EPA 7471A Soil										
Blank (23I0499-BLK1)				Prepared: (09/28/23 A	analyzed: 10	0/03/23			
Mercury	ND	0.10	mg/kg							
LCS (23I0499-BS1)				Prepared: (09/28/23 A	analyzed: 10	0/03/23			
Mercury	0.385	0.10	mg/kg	0.417		92.4	80-120			
Matrix Spike (23I0499-MS1)	Sour	ce: T232843-	-01	Prepared: (09/28/23 A	analyzed: 10	0/03/23			
Mercury	0.388	0.10	mg/kg	0.397	ND	97.7	80-120			
Matrix Spike Dup (23I0499-MSD1)	Sour	ce: T232843-	-01	Prepared: (09/28/23 A	analyzed: 10	0/03/23			
Mercury	0.387	0.10	mg/kg	0.403	ND	95.9	80-120	0.238	20	
Batch 23I0508 - EPA 7471A Soil										
Blank (23I0508-BLK1)				Prepared: (09/28/23 A	analyzed: 10	0/02/23			
Mercury	ND	0.10	mg/kg							
LCS (23I0508-BS1)				Prepared: (09/28/23 A	nalyzed: 10	0/02/23			
Mercury	0.429	0.10	mg/kg	0.410		105	80-120			
Matrix Spike (23I0508-MS1)	Sour	ce: T232845-	-49	Prepared: (09/28/23 A	analyzed: 10	0/02/23			
Mercury	0.194	0.10	mg/kg	0.417	ND	46.6	80-120			QM-05
Matrix Spike Dup (23I0508-MSD1)	Sour	ce: T232845-	-49	Prepared: (09/28/23 A	analyzed: 10	0/02/23			
Mercury	0.166	0.10	mg/kg	0.385	ND	43.1	80-120	15.8	20	QM-05

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Reporting

$Organochlorine\ Pesticides\ by\ EPA\ Method\ 8081A-Quality\ Control$

SunStar Laboratories, Inc.

Source

Spike

%REC

		Reporting		Spike	Source	0.0000	70KEC		KPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Note
Batch 2310507 - EPA 3550C ECD/GCM	MS									
Blank (23I0507-BLK1)				Prepared: (09/28/23 At	nalyzed: 10	/02/23			
alpha-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	"							
beta-BHC	ND	5.0	"							
delta-BHC	ND	5.0	"							
Heptachlor	ND	5.0	"							
Aldrin	ND	5.0	"							
Heptachlor epoxide	ND	5.0	"							
gamma-Chlordane	ND	5.0	"							
alpha-Chlordane	ND	5.0	"							
Endosulfan I	ND	5.0	"							
4,4´-DDE	ND	5.0	"							
Dieldrin	ND	5.0	"							
Endrin	ND	5.0	"							
4,4′-DDD	ND	5.0	"							
Endosulfan II	ND	5.0	"							
4,4´-DDT	ND	5.0	"							
Endrin aldehyde	ND	5.0	"							
Endosulfan sulfate	ND	5.0	"							
Methoxychlor	ND	5.0	"							
Endrin ketone	ND	5.0	"							
Toxaphene	ND	20	"							
Surrogate: Tetrachloro-meta-xylene	6.40		"	10.0		64.0	35-140			
Surrogate: Decachlorobiphenyl	7.28		"	10.0		72.8	35-140			
LCS (23I0507-BS1)				Prepared: (09/28/23 A	nalyzed: 10	/02/23			
gamma-BHC (Lindane)	32.4	5.0	ug/kg	40.4		80.1	40-120			
Heptachlor	33.1	5.0	"	40.0		82.8	40-120			
Aldrin	27.5	5.0	"	40.0		68.8	40-120			
Dieldrin	31.7	5.0	"	40.2		78.8	40-120			
Endrin	34.9	5.0	"	40.2		86.8	40-120			
4,4′-DDT	34.4	5.0	"	40.4		85.1	33-147			
Surrogate: Tetrachloro-meta-xylene	6.62		"	10.0		66.2	35-140			
Surrogate: Decachlorobiphenyl	7.26		"	10.0		72.6	35-140			

SunStar Laboratories, Inc.

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RPD

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 **Reported:**Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Reporting

$Organochlorine\ Pesticides\ by\ EPA\ Method\ 8081A-Quality\ Control$

SunStar Laboratories, Inc.

Spike

Source

%REC

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2310507 - EPA 3550C ECD/GCMS										
LCS Dup (23I0507-BSD1)				Prepared: (09/28/23 A	nalyzed: 10	/02/23			
gamma-BHC (Lindane)	33.4	5.0	ug/kg	40.4		82.8	40-120	3.31	30	
Heptachlor	34.6	5.0	"	40.0		86.4	40-120	4.29	30	
Aldrin	29.1	5.0	"	40.0		72.7	40-120	5.56	30	
Dieldrin	33.4	5.0	"	40.2		83.0	40-120	5.16	30	
Endrin	37.2	5.0	"	40.2		92.6	40-120	6.46	30	
4,4′-DDT	36.3	5.0	"	40.4		89.9	33-147	5.42	30	
Surrogate: Tetrachloro-meta-xylene	6.78		"	10.0		67.8	35-140			
Surrogate: Decachlorobiphenyl	6.97		"	10.0		69.7	35-140			

Batch 23I0510 - EPA 3550C ECD/GCMS

Blank (23I0510-BLK1)				Prepared: 09/28/23 Analyzed: 09/29/23
alpha-BHC	ND	5.0	ug/kg	
gamma-BHC (Lindane)	ND	5.0	"	
beta-BHC	ND	5.0	"	
delta-BHC	ND	5.0	"	
Heptachlor	ND	5.0	"	
Aldrin	ND	5.0	"	
Heptachlor epoxide	ND	5.0	"	
gamma-Chlordane	ND	5.0	"	
alpha-Chlordane	ND	5.0	"	
Endosulfan I	ND	5.0	"	
4,4'-DDE	ND	5.0	"	
Dieldrin	ND	5.0	"	
Endrin	ND	5.0	"	
4,4´-DDD	ND	5.0	"	
Endosulfan II	ND	5.0	"	
4,4'-DDT	ND	5.0	"	
Endrin aldehyde	ND	5.0	"	
Endosulfan sulfate	ND	5.0	"	
Methoxychlor	ND	5.0	"	
Endrin ketone	ND	5.0	"	
Toxaphene	ND	20	"	
Surrogate: Tetrachloro-meta-xylene	7.02		"	10.0 70.2 35-140
Surrogate: Decachlorobiphenyl	7.26		"	10.0 72.6 35-140

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

$Organochlorine\ Pesticides\ by\ EPA\ Method\ 8081A-Quality\ Control$

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 23I0510 - EPA 3550C ECD/GCMS										
LCS (23I0510-BS1)				Prepared: ()9/28/23 A ₁	nalyzed: 09	/29/23			
gamma-BHC (Lindane)	34.8	5.0	ug/kg	40.4		86.1	40-120			
Heptachlor	35.4	5.0	"	40.0		88.6	40-120			
Aldrin	31.9	5.0	"	40.0		79.7	40-120			
Dieldrin	36.1	5.0	"	40.2		89.7	40-120			
Endrin	39.0	5.0	"	40.2		97.1	40-120			
4,4´-DDT	38.8	5.0	"	40.4		96.1	33-147			
Surrogate: Tetrachloro-meta-xylene	7.11		"	10.0		71.1	35-140			
Surrogate: Decachlorobiphenyl	7.13		"	10.0		71.3	35-140			
LCS Dup (23I0510-BSD1)				Prepared: ()9/28/23 Aı	nalyzed: 09	/29/23			
gamma-BHC (Lindane)	37.0	5.0	ug/kg	40.4		91.7	40-120	6.33	30	
Heptachlor	37.8	5.0	"	40.0		94.6	40-120	6.56	30	
Aldrin	33.1	5.0	"	40.0		82.8	40-120	3.80	30	
Dieldrin	38.1	5.0	"	40.2		94.9	40-120	5.62	30	
Endrin	40.9	5.0	"	40.2		102	40-120	4.69	30	
4,4'-DDT	41.1	5.0	"	40.4		102	33-147	5.69	30	
Surrogate: Tetrachloro-meta-xylene	7.57		"	10.0		75.7	35-140			
Surrogate: Decachlorobiphenyl	7.56		"	10.0		75.6	35-140			

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported: Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 23I0511 - EPA 3550C ECD/GCMS										
Blank (23I0511-BLK1)				Prepared: (09/28/23 Aı	nalyzed: 09	/29/23			
Aroclor-1016	ND	10	ug/kg							
Aroclor-1221	ND	10	"							
Aroclor-1232	ND	10	"							
Aroclor-1242	ND	10	"							
Aroclor-1248	ND	10	"							
Aroclor-1254	ND	10	"							
Aroclor-1260	ND	10	"							
Surrogate: Tetrachloro-meta-xylene	9.13		"	10.0		91.3	35-140			
Surrogate: Decachlorobiphenyl	9.53		"	10.0		95.3	35-140			
LCS (23I0511-BS1)				Prepared: (09/28/23 Aı	nalyzed: 09	/29/23			
Aroclor-1016	108	10	ug/kg	101		107	40-130			
Aroclor-1260	130	10	"	100		130	40-130			
Surrogate: Tetrachloro-meta-xylene	10.2		"	10.0		102	35-140			
Surrogate: Decachlorobiphenyl	10.3		"	10.0		103	35-140			
LCS Dup (23I0511-BSD1)				Prepared: (09/28/23 A ₁	nalyzed: 09	/29/23			
Aroclor-1016	110	10	ug/kg	101		109	40-130	1.59	30	
Aroclor-1260	123	10	"	100		123	40-130	5.55	30	
Surrogate: Tetrachloro-meta-xylene	9.79		"	10.0		97.9	35-140			
Surrogate: Decachlorobiphenyl	10.9		"	10.0		109	35-140			

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

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

Batch 2310429 - EPA 5035 GCMS

Blank (23I0429-BLK1)				Prepared: 09/25/23 Analyzed: 09/29/23
Bromobenzene	ND	2.5	ug/kg	
Bromochloromethane	ND	2.5	"	
Bromodichloromethane	ND	2.5	"	
Bromoform	ND	2.5	"	
Bromomethane	ND	2.5	"	
n-Butylbenzene	ND	2.5	"	
sec-Butylbenzene	ND	2.5	"	
tert-Butylbenzene	ND	2.5	"	
Carbon tetrachloride	ND	2.5	"	
Chlorobenzene	ND	2.5	"	
Chloroethane	ND	2.5	"	
Chloroform	ND	2.5	"	
Chloromethane	ND	2.5	"	
2-Chlorotoluene	ND	2.5	"	
4-Chlorotoluene	ND	2.5	"	
Dibromochloromethane	ND	2.5	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	
Dibromomethane	ND	2.5	"	
1,2-Dichlorobenzene	ND	2.5	"	
1,3-Dichlorobenzene	ND	2.5	"	
1,4-Dichlorobenzene	ND	2.5	"	
Dichlorodifluoromethane	ND	2.5	"	
1,1-Dichloroethane	ND	2.5	"	
1,2-Dichloroethane	ND	2.5	"	
1,1-Dichloroethene	ND	2.5	"	
cis-1,2-Dichloroethene	ND	2.5	"	
trans-1,2-Dichloroethene	ND	2.5	"	
1,2-Dichloropropane	ND	2.5	"	
1,3-Dichloropropane	ND	2.5	"	
2,2-Dichloropropane	ND	2.5	"	
1,1-Dichloropropene	ND	2.5	"	
cis-1,3-Dichloropropene	ND	2.5	"	
trans-1,3-Dichloropropene	ND	2.5	"	
Hexachlorobutadiene	ND	2.5	"	
Isopropylbenzene	ND	2.5	"	

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

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

Ratch	2310429	- EPA	5035	CCMS

Blank (23I0429-BLK1)				Prepared: 09/25/23 Analyzed: 09/29/23
p-Isopropyltoluene	ND	2.5	ug/kg	
Methylene chloride	ND	10	"	
Naphthalene	ND	2.5	"	
n-Propylbenzene	ND	2.5	"	
Styrene	ND	2.5	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	
Tetrachloroethene	ND	2.5	"	
1,2,3-Trichlorobenzene	ND	2.5	"	
1,2,4-Trichlorobenzene	ND	2.5	"	
1,1,2-Trichloroethane	ND	2.5	"	
1,1,1-Trichloroethane	ND	2.5	"	
Trichloroethene	ND	2.5	"	
Trichlorofluoromethane	ND	2.5	"	
1,2,3-Trichloropropane	ND	2.5	"	
1,3,5-Trimethylbenzene	ND	2.5	"	
1,2,4-Trimethylbenzene	ND	2.5	"	
Vinyl chloride	ND	2.5	"	
Benzene	ND	2.5	"	
Toluene	ND	2.5	"	
Ethylbenzene	ND	2.5	"	
m,p-Xylene	ND	5.0	"	
o-Xylene	ND	2.5	"	
Acetone	ND	2.5	"	
Methyl ethyl ketone	ND	5.0	"	
Methyl isobutyl ketone	ND	5.0	"	
2-Hexanone (MBK)	ND	2.5	"	
Surrogate: Toluene-d8	48.7		"	50.0 97.4 76.1-127
Surrogate: 4-Bromofluorobenzene	48.3		"	50.0 96.6 85.9-114
Surrogate: Dibromofluoromethane	43.0		"	50.0 86.1 77.8-142

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2310429 - EPA 5035 GCMS										
LCS (23I0429-BS1)				Prepared: ()9/25/23 Aı	nalyzed: 09	0/29/23			
Chlorobenzene	51.2	2.5	ug/kg	50.0		102	79.1-117			
1,1-Dichloroethene	41.8	2.5	"	50.0		83.7	68-126			
Trichloroethene	49.1	2.5	"	50.0		98.3	80.6-119			
Benzene	47.7	2.5	"	50.0		95.5	79.1-117			
Toluene	48.6	2.5	"	50.0		97.2	79.5-118			
Surrogate: Toluene-d8	49.2		"	50.0		98.5	76.1-127			
Surrogate: 4-Bromofluorobenzene	51.1		"	50.0		102	85.9-114			
Surrogate: Dibromofluoromethane	41.6		"	50.0		83.2	77.8-142			
LCS Dup (23I0429-BSD1)				Prepared: ()9/25/23 Aı	nalyzed: 09	0/29/23			
Chlorobenzene	50.0	2.5	ug/kg	50.0		99.9	79.1-117	2.45	20	
1,1-Dichloroethene	42.0	2.5	"	50.0		83.9	68-126	0.239	20	
Trichloroethene	48.6	2.5	"	50.0		97.1	80.6-119	1.17	20	
Benzene	49.2	2.5	"	50.0		98.4	79.1-117	3.01	20	
Toluene	47.1	2.5	"	50.0		94.2	79.5-118	3.20	20	
Surrogate: Toluene-d8	49.2		"	50.0		98.3	76.1-127			
Surrogate: 4-Bromofluorobenzene	51.0		"	50.0		102	85.9-114			
Surrogate: Dibromofluoromethane	43.4		"	50.0		86.8	77.8-142			

SunStar Laboratories, Inc.

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Analyte

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

RPD

Limit

Notes

%REC

Limits

RPD

%REC

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

Result

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Reporting

Limit

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control SunStar Laboratories, Inc.

Units

Spike

Level

Source

Result

Allaryte	Result	Liiiit	Ullits	Levei	Kesuit	70KEC	Lillits	KFD	Lillit	INOIES
Batch 2310504 - EPA 3550 ECD/GC	CMS									
Blank (23I0504-BLK1)				Prepared &	ն Analyzed:	09/28/23				
Acenaphthene	ND	10	ug/kg							
Acenaphthylene	ND	5.0	"							
Anthracene	ND	5.0	"							
Benzo (a) anthracene	ND	5.0	"							
Benzo (b) fluoranthene	ND	10	"							
Benzo (k) fluoranthene	ND	10	"							
Benzo (g,h,i) perylene	ND	5.0	"							
Benzo (a) pyrene	ND	10	"							
Chrysene	ND	5.0	"							
Dibenz (a,h) anthracene	ND	5.0	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	10	"							
Indeno (1,2,3-cd) pyrene	ND	5.0	"							
Naphthalene	ND	5.0	"							
Phenanthrene	ND	5.0	"							
Pyrene	ND	10	"							
Surrogate: Terphenyl-dl4	300		"	333		89.9	18-137			
LCS (23I0504-BS1)				Prepared &	k Analyzed:	09/28/23				
Acenaphthene	219	10	ug/kg	333		65.7	50-130			
Pyrene	167	10	"	333		50.1	33.8-100			
Surrogate: Terphenyl-dl4	325		"	333		97.4	18-137			
LCS Dup (23I0504-BSD1)				Prepared &	ն Analyzed:	09/28/23				
Acenaphthene	199	10	ug/kg	333		59.6	50-130	9.74	31	
Pyrene	153	10	"	333		45.9	33.8-100	8.75	30	
Surrogate: Terphenyl-dl4	315		"	333		94.4	18-137			

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/04/23 16:49

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
S-03	The surrogate recovery was below acceptance criteria in the sample because of a possible matrix effect. The surrogate recovery was within acceptance criteria in the method blank and LCS.
R-07	Reporting limit for this compound(s) has been raised to account for dilution necessary due to high levels of interfering compound(s) and/or matrix affect.
QM-07	The spike recovery and or RPD was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.
D-06	The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
5035A	Acetone formation/presence suspected from acidification of soil. See Method EPA 5035 Section A.5.3.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

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

Chain of Custody Record

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE 25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020

Address: 4010 Watson Plaze Dr. 170 Lellerward	Project Name: 5-7(-er H5	
Phone: (552) W20-000 Fax: (62) 420-0001	Collector: C5C	Client Project #: 3050107
Project Manager: R C (CC) (C.	Batch #: 1232845	EDF#:

Sample		Relind	D	Relino	0	Relinc	ū	2	ū	2	=	0	2	×	7	6	S	q	W	N	-	Laboratory ID #
Sample disposal Instructions:		Relinquished by: (signature)	4	Relinquished by: (signature)	1	Relinquished by: (signature)	SH	H2	MS	SHC	31/5	ナル	5/12	H2	H2	S	メイン	415	512	SHS	SIS	
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Chain of Custody Record

Client: Project Manager: S Clark Address: holo water Phone: PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE 25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020 52) 420-0000 23 Fax: \$170 Chemas

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Time Time Total # of custody seals YNN(A) Seals infact? YNN(A) Notes Notes Notes Received good condition/cold Notes 8270 8021 BTEX 8015M (gasoline) 8015M (diesel) 8015M (diesel) 8015M (diesel) 8015M (diesel) 8015M (diesel) 8015M (sasoline) 8015M (diesel) 8015M (sasoline) 8015M (diesel) 8015M (diesel) 8015M (diesel) 8015M (diesel) 8015M (sasoline) 8015M (diesel) 8015M (d	2	Date	25	Date	3	Date																8260 BTEX, OXY only
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12	Collector: (S)	Date: 4-2¢ Project Name: 5
32845	0	-23 -23
EDF#:	Client Project #: 300000	Page: 2 of S

Chain of Custody Record

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

Project Manager: S	Clarks Fax		Collector:	2487821 2487621	Client Project #: - CCCCCC EDF #: -
Sample ID	Date Sampled Time	Sample Container Type Type 8260	8260 + OXY 8260 BTEX, OXY only 8270 8021 BTEX 8015M (gasoline)	8015M (diesel) 8015M Ext./Carbon Chain 6010/7000 Title 22 Metals	Laboratory ID # Comments/Preservative
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22-01-7/2	2151				Es
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545-30-115	1400			7	(Total
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210 -15 - 5/15	N. N. S.			××	
とうとなったかったか	1250	-		4	Add
515-52-15	222				Add
51+5-32-310					(FEG
510-BE-5HS	1150			XX	
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Total # of containers	Notes
100	C-2723 0922	13m 9:	9.27.23 0922	Chain of Custody seals Y/N/N	
Relinquished by: (signature)	Date / Time	wed by: (signature)	Date / Time	Seals intact? Y/NINA	7/11/1
3	100		-	The second secon	F.

Total # of containers

AIR LABO

Phone: (542) 425 Collector: C5C	Address: 400 Usetson Plaz Or, #170 Project Name: 5/207 H	Chain of Custody Record Providing Quality Analytical Services Nationwide 25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020	AIR LABORATORY SunStar Laboratories, Inc
Client Project #: 3,000	Page:	rive, I	itor

Batch #:

COCAL 146008

AIR L

Project Manager: S Clarke	Phone: 502) 420-600 Fax: Lakenson	water Diazz Dr	Client: CSC	chain of custody Record	AIR LABORATORY
Batch #: 1232845	ar.	Project Name: Sylver HS		25712 Commercentre Drive, Lake Forest, CA 9 949-297-5020	Laboratories, Inc.
EDF#:	Client Project #: 30007		Page: 5 of 5	25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020	tories, Inc.

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Relinquished by: (signature)	Relinquished by: (signature)	C () (organica)	Relinquished by: (signature)	\	\					/	1/4	んんましまるよう	51+5-45-30	511-5n-5x15	20-22-25	ひれー ユュールの	Ø
Date / Time	Date / Time	Sala celes	Date / Time			1	\	/			9	V	7	· ·	Ť.	9-2423 1	Date Sampled T
	1047	092					V	1					120	301	000	Ó	Start
Receive	Receive	8	Receive				1						-				Finish
Received by: (signature)	Received by: (signature)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	d hv. (sign			1		1									Sample Type: Soll Gas / Indoor
	ature) Da	Bar 9-29.23 0	atura) Da		1	1			1								Container Type: Symma
Date / Time	Date / Time 27-23 [6:47	9-29.23 0922	to / Time	1	/					1					,	1:05	Initial Pressure
Turn around time:											1	200			-	80231	Constant Final Pressure
arou	Seals intact? Y/N/N/Received good condition/cold	in of 0	H		1	\dagger	t								X		103 OCR
nd tir	Sea ed go	Custo			1	T									X		TO-14 Metals
ne:	ls into	ustody seals Y/N/W	#														TO-15
3	act?	als Y															8015m Methane
	on/co	/N/															8015m Gasoline
	= 15					+	-										Fixed Gases by TCD
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		NOIRS	Notos										Idol d	1410		Holco	Summa Can # / Comments
			-			+	+	-									Laboratory ID #



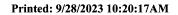
SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #:	1232845		
Client Name:	CSC	Project:	Sylmar HS
Delivered by:	Client SunStar Courier	☐ GLS ☐ FedE	x 🗌 Other
If Courier, Received by:		Date/Time Courier Received:	
Lab Received by:	Travis	Date/Time Lab Received:	9/27/23 10:47
Total number of coolers re	eceived: / Thermometer ID:	_SC-1 Cal	libration due : <u>8/2/24</u>
Temperature: Cooler #1	4. (°C +/- the CF (+ 0.3°C)	= 4.4 °C cor	rected temperature
Temperature: Cooler #2	°C +/- the CF (+ 0.3°C)	= °C cor	rected temperature
Temperature: Cooler #3	°C +/- the CF (+ 0.3°C)	= °C cor	rected temperature
Temperature criteria = 5 (no frozen containers)	≤6°C Within cri	iteria? Ves	s □No □N/A
If NO: Samples received If on ice, samples collected?	received same day	Acceptable No	lete Non-Conformance Sheet
Custody seals intact on co	ooler/sample	□Yes	S □No* □N/A
Sample containers intact		□\Yes	s □No*
Sample labels match Chai	in of Custody IDs	Yes	s □No*
Total number of container	rs received match COC	Yes	s □No*
Proper containers received	d for analyses requested on COC	✓Yes	s □No*
Proper preservative indica	ated on COC/containers for analyses	requested Yes	s □No* □N/A
	yed in good condition with correct te es preservatives and within method s		es No*
* Complete Non-Conforman	nce Receiving Sheet if checked Coo	ler/Sample Review - Initi	ials and date: $PB = 9/27/2$
Comments: The s	jample "SHS-41-3.0" (s	ampled on 9/25/23	at 11:15)
is not listed	ample "SHS-41-3.0" (s	int it was	received.



SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # 123 2845	
 COOLERS	LABELS
Project Manager notified of sample non-conformance(s)	— ✓Yes □No
All samples accepted for processing and distributing to I	=/ =
For samples not accepted due to non-conformance, spec section below:	ify each specific sample ID being rejected in the comments
Comments:	





T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Project: Sylmar High School PEA-E Project Number: 3000107

Report To:

Clark Seif Clark - Chatsworth

Bill Clarke

21732 Devonshire Street, 2nd Floor

Chatsworth, CA 91311

Date Due: 10/04/23 17:00 (5 day TAT)

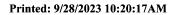
Received By: Travis Berner Date Received: 09/27/23 10:47
Logged In By: Irma Vela Date Logged In: 09/28/23 09:26

Samples Received at: 4.4°€

Custody Seals No Received On Ice Yes

COC/Labels Agree Yes
Preservation Confirme Yes

Analysis	Due	TAT	Expires	Comments	
T232845-01 SHS-02-0.5 [S	Soil] Sampled 09/26/23 08:30	(GMT-08:00) Pacific		
Time (US &					
6010 Title 22	10/04/23 15:00	5	03/24/24 08:30		
8081 Pesticides	10/04/23 15:00	5	10/10/23 08:30		
T232845-02 SHS-02-1.5 [S Time (US & [NO ANALYSES]	Soil] Sampled 09/26/23 08:35	(GMT-08:00) Pacific	HOLD	
T232845-03 SHS-02-3.0 [S Time (US &	Soil] Sampled 09/26/23 08:40	(GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232845-04 SHS-03-0.5 [S Time (US &	Soil] Sampled 09/26/23 09:10	(GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 09:10		
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:10		
T232845-05 SHS-03-1.5 [S Time (US & [NO ANALYSES]	Soil] Sampled 09/26/23 09:15	(GMT-08:00) Pacific	HOLD	
	Soil] Sampled 09/26/23 09:20	(GMT-08:00) Pacific	HOLD	





T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

T232845-07 SHS-04-0.5 [Soil] Sampled 09/26/23 09:30 (GMT-08:00) Pacific Time (US & 6010 Tale 22 10/04/23 15:00 5 10/10/23 09:30 T232845-08 SHS-04-1.5 [Soil] Sampled 09/26/23 09:35 (GMT-08:00) Pacific Fime (US & FINO ANALYSES] T232845-09 SHS-04-3.0 [Soil] Sampled 09/26/23 09:40 (GMT-08:00) Pacific Fime (US & FINO ANALYSES] T232845-10 SHS-05-0.5 [Soil] Sampled 09/26/23 09:40 (GMT-08:00) Pacific Fime (US & 6010 Tale 22 10/04/23 15:00 5 03/24/24 09:00 FINE (US & FINO ANALYSES) T232845-11 SHS-05-1.5 [Soil] Sampled 09/26/23 09:40 (GMT-08:00) Pacific Fime (US & FINO ANALYSES) T232845-11 SHS-05-1.5 [Soil] Sampled 09/26/23 09:40 (GMT-08:00) Pacific Fime (US & FINO ANALYSES) T232845-11 SHS-05-1.5 [Soil] Sampled 09/26/23 09:40 (GMT-08:00) Pacific Fime (US & FINO ANALYSES) T232845-11 SHS-05-1.5 [Soil] Sampled 09/26/23 09:40 (GMT-08:00) Pacific Fime (US & FINO ANALYSES) T232845-11 SHS-05-1.5 [Soil] Sampled 09/26/23 09:40 (GMT-08:00) Pacific Fime (US & FINO ANALYSES) T232845-11 SHS-05-1.5 [Soil] Sampled 09/26/23 09:40 (GMT-08:00) Pacific Fime (US & FINO ANALYSES) T232845-11 SHS-05-1.5 [Soil] Sampled 09/26/23 09:40 (GMT-08:00) Pacific Fime (US & FINO ANALYSES) T232845-11 SHS-05-1.5 [Soil] Sampled 09/26/23 08:25 (GMT-08:00) Pacific Fime (US & FINO ANALYSES) FINO ANALYSES FINO A	Analysis	Due	TAT	Expires	Comments
1004/23 15:00 5 0104/23 09:35 (GMT-08:00) Pacific T1232845-08 SHS-04-1.5 [Soil] Sampled 09/26/23 09:35 (GMT-08:00) Pacific T1232845-09 SHS-04-3.0 [Soil] Sampled 09/26/23 09:40 (GMT-08:00) Pacific T1232845-10 SHS-04-3.0 [Soil] Sampled 09/26/23 09:40 (GMT-08:00) Pacific T1232845-10 SHS-05-0.5 [Soil] Sampled 09/26/23 09:00 (GMT-08:00) Pacific T1232845-10 SHS-05-0.5 [Soil] Sampled 09/26/23 09:00 (GMT-08:00) Pacific T1232845-11 SHS-05-1.5 [Soil] Sampled 09/26/23 09:05 (GMT-08:00) Pacific T1232845-11 SHS-05-1.5 [Soil] Sampled 09/26/23 09:05 (GMT-08:00) Pacific T1232845-11 SHS-05-1.5 [Soil] Sampled 09/26/23 09:05 (GMT-08:00) Pacific T1232845-12 SHS-05-3.0 [Soil] Sampled 09/26/23 09:10 (GMT-08:00) Pacific T1232845-13 SHS-06-0.5 [Soil] Sampled 09/26/23 08:25 (GMT-08:00) Pacific T1232845-13 SHS-06-0.5 [Soil] Sampled 09/26/23 08:25 (GMT-08:00) Pacific T1232845-14 SHS-06-1.5 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific T1232845-14 SHS-06-1.5 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific T1232845-14 SHS-06-1.5 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific T1232845-15 SHS-06-1.5 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific T1232845-15 SHS-06-1.5 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific T1232845-15 SHS-06-1.5 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific T1232845-15 SHS-06-1.5 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific T1232845-15 SHS-06-1.5 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific T1232845-16 SHS-06-1.5 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific T1232845-16 SHS-07-0.5 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific T1232845-16 SHS-07-0.5 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific T1232845-16 SHS-07-0.5 [Soil] Sampled 09/26/23 08:10 (GMT-08:00) Pacific T1232845-16 SHS-07-0.5 [Soil] Sampled 09/26/23 08:10 (GMT-08:00) Pacific T1232845-16 SHS-07-0.5 [Soil] Sampled 09/26/23 08:10 (GMT-08:00) Pacific		Sampled 09/26/23 09:30	(GMT-08:00)	Pacific	
Mode Mode	6010 Title 22	10/04/23 15:00	5	03/24/24 09:30	
Time (US & NO ANALYSES T232845-09 SIIS-04-3.0 Soil Sampled 09/26/23 09:04 (GMT-08:00) Pacific HOLD Time (US & NO ANALYSES T232845-10 SHS-05-0.5 Soil Sampled 09/26/23 09:00 (GMT-08:00) Pacific Time (US & NO ANALYSES T232845-11 SHS-05-0.5 Soil Sampled 09/26/23 09:00 (GMT-08:00) Pacific HOLD T132845-11 SHS-05-1.5 Soil Sampled 09/26/23 09:00 (GMT-08:00) Pacific HOLD T132845-11 SHS-05-1.5 Soil Sampled 09/26/23 09:00 (GMT-08:00) Pacific HOLD T132845-12 SHS-05-3.0 Soil Sampled 09/26/23 09:10 (GMT-08:00) Pacific HOLD T132845-12 SHS-05-3.0 Soil Sampled 09/26/23 09:10 (GMT-08:00) Pacific HOLD T100 (US & NO ANALYSES T232845-13 SHS-06-0.5 Soil Sampled 09/26/23 08:25 (GMT-08:00) Pacific HOLD T100 (Time (US & NO ANALYSES T100 (US & NO ANA	8081 Pesticides	10/04/23 15:00	5	10/10/23 09:30	
T232845-99 SHS-04-3.0 [Soil] Sampled 09/26/23 09:40 (GMT-08:00) Pacific Time (US & NO ANALYSES T232845-10 SHS-05-0.5 [Soil] Sampled 09/26/23 09:00 (GMT-08:00) Pacific Time (US & 6010 Title 22	Time (US &	Sampled 09/26/23 09:35	(GMT-08:00)	Pacific	HOLD
Time (US & 6010 Title 22 10/04/23 15:00 5 03/24/24 09:00 8081 Pesticides 10/04/23 15:00 5 03/24/24 09:00 8081 Pesticides 10/04/23 15:00 5 07/10/23 09:00	T232845-09 SHS-04-3.0 [Soil] Time (US &	Sampled 09/26/23 09:40	(GMT-08:00)	Pacific	HOLD
6010 Title 22		Sampled 09/26/23 09:00	(GMT-08:00)	Pacific	
T232845-11 SHS-05-1.5 [Soil] Sampled 09/26/23 09:05 (GMT-08:00) Pacific Time (US & [NO ANALYSES] T232845-12 SHS-05-3.0 [Soil] Sampled 09/26/23 09:10 (GMT-08:00) Pacific Time (US & [NO ANALYSES] T232845-13 SHS-06-0.5 [Soil] Sampled 09/26/23 08:25 (GMT-08:00) Pacific Time (US & 6010 Title 22 10/04/23 15:00 5 03/24/24 08:25 8081 Pesticides 10/04/23 15:00 5 10/10/23 08:25 T232845-14 SHS-06-1.5 [Soil] Sampled 09/26/23 08:30 (GMT-08:00) Pacific Time (US & [NO ANALYSES] T232845-15 SHS-06-3.0 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific Time (US & [NO ANALYSES] T232845-16 SHS-07-0.5 [Soil] Sampled 09/26/23 08:10 (GMT-08:00) Pacific Time (US & [NO ANALYSES] T232845-16 SHS-07-0.5 [Soil] Sampled 09/26/23 08:10 (GMT-08:00) Pacific Time (US & [NO ANALYSES]		10/04/23 15:00	5	03/24/24 09:00	
Taga 2845-12 SHS-05-3.0 Soil Sampled 09/26/23 09:10 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES] Taga 2845-13 SHS-06-0.5 Soil Sampled 09/26/23 08:25 (GMT-08:00) Pacific Time (US & 6010 Title 22	8081 Pesticides	10/04/23 15:00	5	10/10/23 09:00	
T232845-13 SHS-06-0.5 [Soil] Sampled 09/26/23 08:25 (GMT-08:00) Pacific Time (US & 6010 Title 22 10/04/23 15:00 5 03/24/24 08:25 8081 Pesticides 10/04/23 15:00 5 10/10/23 08:25 T232845-14 SHS-06-1.5 [Soil] Sampled 09/26/23 08:30 (GMT-08:00) Pacific Time (US & [NO ANALYSES] T232845-15 SHS-06-3.0 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific Time (US & [NO ANALYSES] T232845-16 SHS-07-0.5 [Soil] Sampled 09/26/23 08:10 (GMT-08:00) Pacific Time (US & [NO ANALYSES]	Time (US &	Sampled 09/26/23 09:05	(GMT-08:00)	Pacific	HOLD
Time (US & 6010 Title 22 10/04/23 15:00 5 03/24/24 08:25 8081 Pesticides 10/04/23 15:00 5 10/10/23 08:25 T232845-14 SHS-06-1.5 [Soil] Sampled 09/26/23 08:30 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES] T232845-15 SHS-06-3.0 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES] T232845-16 SHS-07-0.5 [Soil] Sampled 09/26/23 08:10 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES]	Time (US &	Sampled 09/26/23 09:10	(GMT-08:00)	Pacific	HOLD
### 10/04/23 15:00		Sampled 09/26/23 08:25	(GMT-08:00)	Pacific	
T232845-14 SHS-06-1.5 [Soil] Sampled 09/26/23 08:30 (GMT-08:00) Pacific Time (US & [NO ANALYSES] T232845-15 SHS-06-3.0 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific Time (US & [NO ANALYSES] T232845-16 SHS-07-0.5 [Soil] Sampled 09/26/23 08:10 (GMT-08:00) Pacific Time (US & 6010 Title 22 10/04/23 15:00 5 03/24/24 08:10	6010 Title 22	10/04/23 15:00	5	03/24/24 08:25	
T232845-15 SHS-06-3.0 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific Time (US & [NO ANALYSES] T232845-16 SHS-07-0.5 [Soil] Sampled 09/26/23 08:10 (GMT-08:00) Pacific Time (US & 6010 Title 22 10/04/23 15:00 5 03/24/24 08:10	8081 Pesticides	10/04/23 15:00	5	10/10/23 08:25	
Time (US & [NO ANALYSES] T232845-16 SHS-07-0.5 [Soil] Sampled 09/26/23 08:10 (GMT-08:00) Pacific Time (US & 6010 Title 22 10/04/23 15:00 5 03/24/24 08:10	Time (US &	Sampled 09/26/23 08:30	(GMT-08:00)	Pacific	HOLD
Time (US & 6010 Title 22	Time (US &	Sampled 09/26/23 08:35	(GMT-08:00)	Pacific	HOLD
		Sampled 09/26/23 08:10	(GMT-08:00)	Pacific Pacific	
8081 Pesticides 10/04/23 15:00 5 10/10/23 08:10	6010 Title 22	10/04/23 15:00	5	03/24/24 08:10	
	8081 Pesticides	10/04/23 15:00	5	10/10/23 08:10	

Printed: 9/28/2023 10:20:17AM

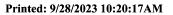


WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-17 SHS-07-1.5 [Soil Time (US &] Sampled 09/26/23 08:15	(GMT-08:00	D) Pacific	HOLD
[NO ANALYSES]				
T232845-18 SHS-07-3.0 [Soil Time (US & [NO ANALYSES]] Sampled 09/26/23 08:20	(GMT-08:00	D) Pacific	HOLD
T232845-19 SHS-08-0.5 [Soil] Sampled 09/26/23 09:05	(GMT-08:00	D) Pacific	
Time (US & 6010 Title 22	10/04/23 15:00	5	03/24/24 09:05	
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:05	
5001 1 CSHCIUCS	10/04/23 13.00	3	10/10/23 07.03	
T232845-20 SHS-08-1.5 [Soil Time (US &] Sampled 09/26/23 09:10	(GMT-08:00	D) Pacific	HOLD
[NO ANALYSES]				
T232845-21 SHS-08-3.0 [Soil Time (US &] Sampled 09/26/23 09:15	(GMT-08:00	D) Pacific	HOLD
[NO ANALYSES]				
T232845-22 SHS-13-0.5 [Soil Time (US &] Sampled 09/26/23 12:40	(GMT-08:00	D) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 12:40	
8081 Pesticides	10/04/23 15:00	5	10/10/23 12:40	
T232845-23 SHS-13-1.5 [Soil Time (US & [NO ANALYSES]] Sampled 09/26/23 12:45	(GMT-08:00	D) Pacific	HOLD
T232845-24 SHS-13-3.0 [Soil Time (US & [NO ANALYSES]] Sampled 09/26/23 12:50	(GMT-08:00	D) Pacific	HOLD
T232845-25 SHS-14-0.5 [Soil Time (US &] Sampled 09/26/23 11:55	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 11:55	
8015 Carbon Chain	10/02/23 15:00	3	10/10/23 11:55	
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:55	
8082 PCB	10/04/23 15:00	5	10/10/23 11:55	
8260 5035	10/02/23 15:00	3	10/10/23 23:59	
8270C PAH SIM	10/04/23 15:00	5	10/10/23 11:55	

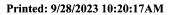




T232845

Client:Clark Seif Clark - ChatsworthProject Manager:Joann MarroquinProject:Sylmar High School PEA-EProject Number:3000107

Analysis	Due	TAT	Expires	Comments
T232845-26 SHS-14-1.5 [Soil] Time (US &	Sampled 09/26/23 12:00) (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-27 SHS-14-3.0 [Soil] Time (US &	Sampled 09/26/23 12:05	5 (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-28 SHS-15-0.5 [Soil] Time (US &	Sampled 09/26/23 13:35	5 (GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:35	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:35	
T232845-29 SHS-15-1.5 [Soil] Time (US &	Sampled 09/26/23 13:40) (GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-30 SHS-15-3.0 [Soil] Time (US &	Sampled 09/26/23 13:45	5 (GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-31 SHS-16-0.5 [Soil] Time (US &	Sampled 09/26/23 13:05	5 (GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:05	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:05	
T232845-32 SHS-16-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:10) (GMT-08:00) Pacific	HOLD
T232845-33 SHS-16-3.0 [Soil] Time (US &	Sampled 09/26/23 13:15	5 (GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-34 SHS-30-0.5 [Soil] Time (US &	Sampled 09/26/23 13:55	5 (GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:55	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:55	
T232845-35 SHS-30-0.5D [Soi Time (US &	l] Sampled 09/26/23 13:	57 (GMT-08:	00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:57	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:57	

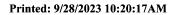




T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-36 SHS-30-1.5 [Soil] Time (US &	Sampled 09/26/23 14:00	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-37 SHS-30-3.0 [Soil] Time (US &	Sampled 09/26/23 14:05	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-38 SHS-31-0.5 [Soil] Time (US &	Sampled 09/26/23 13:35	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:35	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:35	
T232845-39 SHS-39-1.5 [Soil] Time (US &	Sampled 09/26/23 13:45	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-40 SHS-32-0.5 [Soil] Time (US &	Sampled 09/26/23 12:50	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 12:50	
8081 Pesticides	10/04/23 15:00	5	10/10/23 12:50	
T232845-41 SHS-32-1.5 [Soil] Time (US &	Sampled 09/26/23 12:55	(GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-42 SHS-32-3.0 [Soil] Time (US &	Sampled 09/26/23 13:00	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-43 SHS-39-0.5 [Soil] Time (US &	Sampled 09/26/23 11:30	(GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 11:30	
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:30	
T232845-44 SHS-39-1.5 [Soil] Time (US &	Sampled 09/26/23 11:35	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-45 SHS-39-3.0 [Soil] Time (US &	Sampled 09/26/23 11:40	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				





T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-46 SHS-40-0.5 [Soi Time (US &	l] Sampled 09/26/23 11:20	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 11:20	
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:20	
T232845-47 SHS-40-1.5 [Soi Time (US & [NO ANALYSES]	l] Sampled 09/26/23 11:25	(GMT-08:00) Pacific	HOLD
T232845-48 SHS-40-3.0 [Soi Time (US & [NO ANALYSES]	I] Sampled 09/26/23 11:30	(GMT-08:00)) Pacific	HOLD
T232845-49 SHS-41-0.5 [Soi Time (US &	l] Sampled 09/26/23 11:05	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 11:05	
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:05	
T232845-50 SHS-41-1.5 [Soi Time (US & [NO ANALYSES]	[] Sampled 09/26/23 11:10	(GMT-08:00)) Pacific	HOLD
T232845-51 SHS-42-0.5 [Soi Time (US &	l] Sampled 09/26/23 10:50	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 10:50	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:50	
T232845-52 SHS-42-1.5 [Soi Time (US & [NO ANALYSES]	l] Sampled 09/26/23 10:55	(GMT-08:00)) Pacific	HOLD
T232845-53 SHS-42-3.0 [Soil Time (US &	l] Sampled 09/26/23 11:00	(GMT-08:00)) Pacific	HOLD
[NO ANALYSES] T232845-54 SHS-43-0.5 [Soil Time (US &	I] Sampled 09/26/23 10:25	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 10:25	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:25	
T232845-55 SHS-43-1.5 [Soi Time (US & [NO ANALYSES]	l] Sampled 09/26/23 10:30	(GMT-08:00)) Pacific	HOLD

Printed: 9/28/2023 10:20:17AM



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-56 SHS-43-3.0 [Soil] Time (US &	Sampled 09/26/23 10:35	5 (GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-57 SHS-44-0.5 [Soil] Time (US &	Sampled 09/26/23 10:30	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 10:30	
8015 Carbon Chain	10/02/23 15:00	3	10/10/23 10:30	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:30	
8082 PCB	10/04/23 15:00	5	10/10/23 10:30	
8260 5035	10/02/23 15:00	3	10/10/23 23:59	
8270C PAH SIM	10/04/23 15:00	5	10/10/23 10:30	
T232845-58 SHS-44-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 10:35	5 (GMT-08:00)) Pacific	HOLD
T232845-59 SHS-44-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 10:40) (GMT-08:00)) Pacific	HOLD
T232845-60 SHS-45-0.5 [Soil] Time (US &	Sampled 09/26/23 10:10	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 10:10	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:10	
T232845-61 SHS-45-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 10:30) (GMT-08:00)) Pacific	HOLD
T232845-62 SHS-45-3.0 [Soil] Time (US &	Sampled 09/26/23 10:45	5 (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-63 SHS-41-3.0 [Soil] Time (US &	Sampled 09/25/23 11:15	5 (GMT-08:00)) Pacific	
[NO ANALYSES]				
Envirocheck, Inc. T232845-25 SHS-14-0.5 [Soil] Time (US &	Sampled 09/26/23 11:55	6 (GMT-08:00)) Pacific	
Misc. Subcontract (see notes)	10/04/23 15:00	5	03/24/24 11:55	Asbestos PLM

Printed: 9/28/2023 10:20:17AM



WORK ORDER

T232845

Client: **Project Manager:** Clark Seif Clark - Chatsworth Joann Marroquin

Project: Sylmar High School PEA-E **Project Number:** 3000107

Analysis Due TAT **Expires Comments**

Envirocheck, Inc.

T232845-57 SHS-44-0.5 [Soil] Sampled 09/26/23 10:30 (GMT-08:00) Pacific

Time (US &

10/04/23 15:00 03/24/24 10:30 Asbestos PLM Misc. Subcontract (see notes)

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By Date Page 8 of 8



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth **Project Manager:** Joann Marroquin

Project: Sylmar High School PEA-E **Project Number:** 3000107

Report To:

Clark Seif Clark - Chatsworth

Bill Clarke

21732 Devonshire Street, 2nd Floor

Chatsworth, CA 91311

Date Due: 10/04/23 17:00 (5 day TAT)

Received By: Travis Berner Date Received: 09/27/23 10:47 Logged In By: Irma Vela Date Logged In: 09/28/23 09:26

Samples Received at:

4.4°C Custody Seals

No

Received On Ice Yes

Yes

COC/Labels Agree Yes Preservation Confirme

Containers Intact

Analysis	Due	TAT	Expires	Comments
T232845-01 SHS-02-0.5	[Soil] Sampled 09/26/23 08:30	(GMT-08:00)) Pacific	
Time (US &				
6010 Title 22	10/04/23 15:00	5	03/24/24 08:30	
8081 Pesticides	10/04/23 15:00	5	10/10/23 08:30	
T232845-02 SHS-02-1.5 Time (US & [NO ANALYSES]	Soil] Sampled 09/26/23 08:35	(GMT-08:00)) Pacific	HOLD
T232845-03 SHS-02-3.0 Time (US &	[Soil] Sampled 09/26/23 08:40	(GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-04 SHS-03-0.5 Time (US &	[Soil] Sampled 09/26/23 09:10	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 09:10	
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:10	
Time (US &	[Soil] Sampled 09/26/23 09:15	(GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-06 SHS-03-3.0 Time (US &	[Soil] Sampled 09/26/23 09:20	(GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-07 SHS-04-0.5 [Soil] Time (US &	Sampled 09/26/23 09:30	(GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 09:30	
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:30	
T232845-08 SHS-04-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 09:35	(GMT-08:00) Pacific	HOLD
T232845-09 SHS-04-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 09:40	(GMT-08:00) Pacific	HOLD
T232845-10 SHS-05-0.5 [Soil] Time (US &	Sampled 09/26/23 09:00	(GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 09:00	
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:00	
T232845-11 SHS-05-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 09:05	(GMT-08:00) Pacific	HOLD
T232845-12 SHS-05-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 09:10	(GMT-08:00) Pacific	HOLD
T232845-13 SHS-06-0.5 [Soil] Time (US &	Sampled 09/26/23 08:25	(GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 08:25	
8081 Pesticides	10/04/23 15:00	5	10/10/23 08:25	
T232845-14 SHS-06-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 08:30	(GMT-08:00) Pacific	HOLD
T232845-15 SHS-06-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 08:35	(GMT-08:00) Pacific	HOLD
T232845-16 SHS-07-0.5 [Soil] Time (US &	Sampled 09/26/23 08:10	(GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 08:10	



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-17 SHS-07-1.5 [Soil] Time (US &	Sampled 09/26/23 08:15	GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-18 SHS-07-3.0 [Soil] Time (US &	Sampled 09/26/23 08:20	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-19 SHS-08-0.5 [Soil] Time (US &	Sampled 09/26/23 09:05	(GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 09:05	
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:05	
T232845-20 SHS-08-1.5 [Soil] Time (US &	Sampled 09/26/23 09:10	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-21 SHS-08-3.0 [Soil] Time (US &	Sampled 09/26/23 09:15	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-22 SHS-13-0.5 [Soil] Time (US &	Sampled 09/26/23 12:40	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 12:40	
8081 Pesticides	10/04/23 15:00	5	10/10/23 12:40	
T232845-23 SHS-13-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 12:45	6 (GMT-08:00)) Pacific	HOLD
T232845-24 SHS-13-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 12:50	(GMT-08:00)) Pacific	HOLD
T232845-25 SHS-14-0.5 [Soil] Time (US &	Sampled 09/26/23 11:55	(GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 11:55	
8015 Carbon Chain	10/02/23 15:00	3	10/10/23 11:55	
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:55	
8082 PCB	10/04/23 15:00	5	10/10/23 11:55	
8260 5035	10/02/23 15:00	3	10/10/23 23:59	
8270C PAH SIM	10/04/23 15:00	5	10/10/23 11:55	



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-26 SHS-14-1.5 [Soil] Time (US &	Sampled 09/26/23 12:00) (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-27 SHS-14-3.0 [Soil] Time (US &	Sampled 09/26/23 12:05	5 (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-28 SHS-15-0.5 [Soil] Time (US &	Sampled 09/26/23 13:3	5 (GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:35	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:35	
T232845-29 SHS-15-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:40	0 (GMT-08:00)) Pacific	HOLD
T232845-30 SHS-15-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:45	5 (GMT-08:00)) Pacific	HOLD
T232845-31 SHS-16-0.5 [Soil] Time (US &	Sampled 09/26/23 13:0:	5 (GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:05	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:05	
T232845-32 SHS-16-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:10	HOLD		
T232845-33 SHS-16-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:15	HOLD		
T232845-34 SHS-30-0.5 [Soil] Time (US &	Sampled 09/26/23 13:55	5 (GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:55	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:55	
T232845-35 SHS-30-0.5D [Soi	il] Sampled 09/26/23 13:	57 (GMT-08:	00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:57	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:57	



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments	
T232845-36 SHS-30-1.5 [Soil] Time (US &	Sampled 09/26/23 14:0	0 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232845-37 SHS-30-3.0 [Soil] Time (US &	Sampled 09/26/23 14:0	5 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232845-38 SHS-31-0.5 [Soil] Time (US &	Sampled 09/26/23 13:3	5 (GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 13:35		
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:35		
T232845-39 SHS-31-1.5 [Soil] Time (US &	Sampled 09/26/23 13:4	5 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232845-40 SHS-32-0.5 [Soil] Time (US &	Sampled 09/26/23 12:5	0 (GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 12:50		
8081 Pesticides	10/04/23 15:00	5	10/10/23 12:50		
T232845-41 SHS-32-1.5 [Soil] Time (US &	Sampled 09/26/23 12:5	5 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232845-42 SHS-32-3.0 [Soil] Time (US &	Sampled 09/26/23 13:0	0 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232845-43 SHS-39-0.5 [Soil] Time (US &	Sampled 09/26/23 11:3	0 (GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 11:30		
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:30		
T232845-44 SHS-39-1.5 [Soil] Sampled 09/26/23 11:35 (GMT-08:00) Pacific Time (US & [NO ANALYSES]			HOLD		
T232845-45 SHS-39-3.0 [Soil] Time (US &	Sampled 09/26/23 11:4	0 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	ТАТ	Expires	Comments	
T232845-46 SHS-40-0.5 [Soil] Time (US &	Sampled 09/26/23 11:20	(GMT-08:00)) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 11:20		
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:20		
T232845-47 SHS-40-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 11:25	(GMT-08:00)) Pacific	HOLD	
T232845-48 SHS-40-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 11:30	(GMT-08:00)) Pacific	HOLD	
T232845-49 SHS-41-0.5 [Soil] Time (US &	Sampled 09/26/23 11:05	(GMT-08:00)) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 11:05		
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:05		
T232845-50 SHS-41-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 11:10	(GMT-08:00)) Pacific	HOLD	
T232845-51 SHS-42-0.5 [Soil] Time (US &	Sampled 09/26/23 10:50	(GMT-08:00)) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 10:50		
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:50		
T232845-52 SHS-42-1.5 [Soil] Sampled 09/26/23 10:55 (GMT-08:00) Pacific Time (US &			HOLD		
[NO ANALYSES]					
T232845-53 SHS-42-3.0 [Soil] Time (US &	Sampled 09/26/23 11:00	(GMT-08:00)) Pacific	HOLD	
[NO ANALYSES]					
T232845-54 SHS-43-0.5 [Soil] Sampled 09/26/23 10:25 (GMT-08:00) Pacific Time (US &					
6010 Title 22	10/04/23 15:00	5	03/24/24 10:25		
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:25		
T232845-55 SHS-43-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 10:30	(GMT-08:00)) Pacific	HOLD	



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-56 SHS-43-3.0 [Soil] Time (US &	Sampled 09/26/23 10:35	5 (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-57 SHS-44-0.5 [Soil] Time (US &	Sampled 09/26/23 10:30) (GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 10:30	
8015 Carbon Chain	10/02/23 15:00	3	10/10/23 10:30	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:30	
8082 PCB	10/04/23 15:00	5	10/10/23 10:30	
8260 5035	10/02/23 15:00	3	10/10/23 23:59	
8270C PAH SIM	10/04/23 15:00	5	10/10/23 10:30	
T232845-58 SHS-44-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 10:35	5 (GMT-08:00)) Pacific	HOLD
T232845-59 SHS-44-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 10:40) (GMT-08:00) Pacific	HOLD
T232845-60 SHS-45-0.5 [Soil] Time (US &	Sampled 09/26/23 10:10) (GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 10:10	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:10	
T232845-61 SHS-45-1.5 [Soil] Time (US &	Sampled 09/26/23 10:30) (GMT-08:00)) Pacific	HOLD
[NO ANALYSES] T232845-62 SHS-45-3.0 [Soil] Time (US &	Sampled 09/26/23 10:45	5 (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-63 SHS-41-3.0 [Soil] Time (US &	Sampled 09/25/23 11:15	5 (GMT-08:00) Pacific	
[NO ANALYSES]				
Envirocheck, Inc. T232845-25 SHS-14-0.5 [Soil] Time (US &	-	5 (GMT-08:00) Pacific	
Misc. Subcontract (see notes)	10/04/23 15:00	5	03/24/24 11:55	Asbestos PLM



WORK ORDER

T232845

Client: **Project Manager:** Clark Seif Clark - Chatsworth Joann Marroquin

Project: Sylmar High School PEA-E **Project Number:** 3000107

Analysis Due TAT **Expires Comments**

Envirocheck, Inc.

T232845-57 SHS-44-0.5 [Soil] Sampled 09/26/23 10:30 (GMT-08:00) Pacific

Time (US &

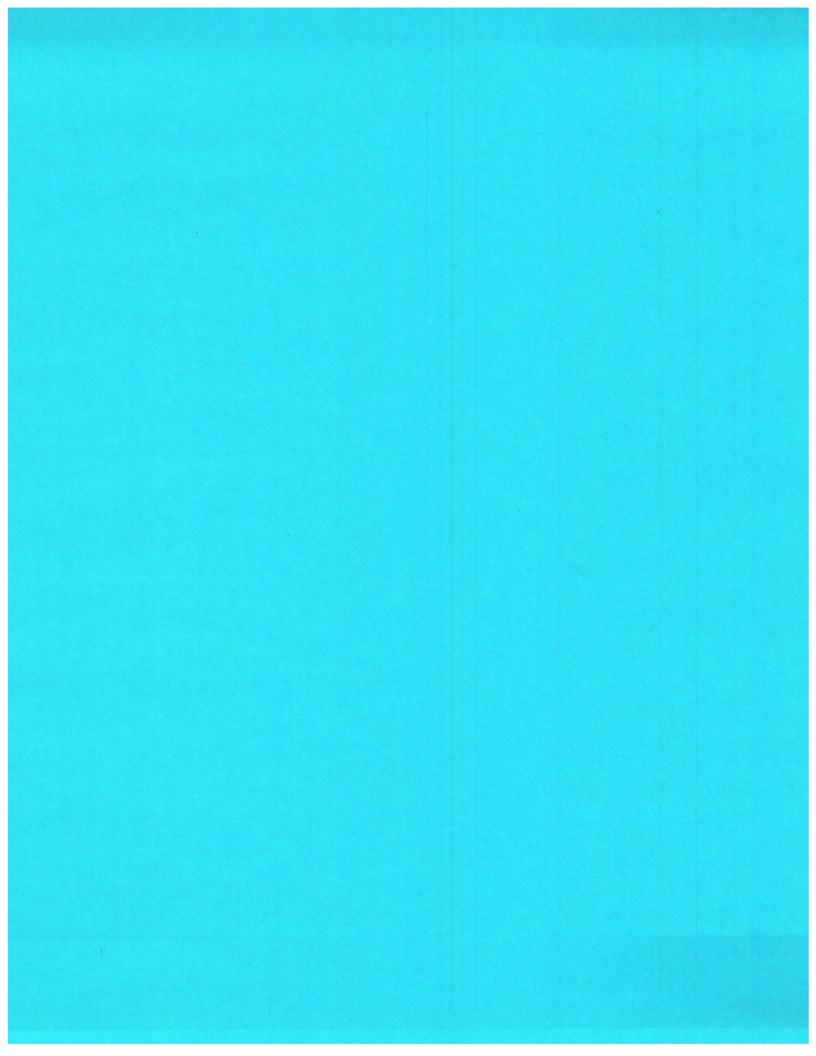
10/04/23 15:00 Asbestos PLM Misc. Subcontract (see notes) 03/24/24 10:30

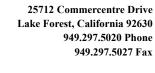
Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By Date







10 October 2023

Bill Clarke
Clark Seif Clark - Chatsworth
21732 Devonshire Street, 2nd Floor
Chatsworth, CA 91311

RE: Sylmar High School PEA-E

Joann Marroquin

Enclosed are the results of analyses for samples received by the laboratory on 09/27/23 10:47. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joann Marroquin

Director of Operations



Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/10/23 15:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SHS-04-1.5	T232845-08	Soil	09/26/23 09:35	09/27/23 10:47
SHS-04-3.0	T232845-09	Soil	09/26/23 09:40	09/27/23 10:47
SHS-14-1.5	T232845-26	Soil	09/26/23 12:00	09/27/23 10:47
SHS-14-3.0	T232845-27	Soil	09/26/23 12:05	09/27/23 10:47
SHS-43-1.5	T232845-55	Soil	09/26/23 10:30	09/27/23 10:47

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth

Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Chatsworth CA, 91311 Project Number: 3000107 Project Manager: Bill Clarke Reported:

10/10/23 15:33

DETECTIONS SUMMARY

			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Dieldrin		9.9	5.0	ug/kg	EPA 8081A	
Sample ID:	SHS-04-3.0	Labora	tory ID:	T232845-09		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Dieldrin		12	5.0	ug/kg	EPA 8081A	
Sample ID:	SHS-14-1.5	Labora	tory ID:	T232845-26		
No Results D	ataatad					

Sample ID: SHS-14-3.0 Laboratory ID: T232845-27

No Results Detected

Sample ID:	SHS-43-1.5	Laboratory ID:		T232845-55		
		Reportin	ıg			
Analyte		Result Lim	it	Units	Method	Notes
Arsenic		4.4 0.00	50	mg/kg	6020 ICP-MS	

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/10/23 15:33

SHS-04-1.5 T232845-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA M	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23J0102	10/05/23	10/09/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	9.9	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		56.3 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		23.1 %	35-	140	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/10/23 15:33

SHS-04-3.0 T232845-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Organochlorine Pesticides by EPA Me	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23J0102	10/05/23	10/09/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	12	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		64.9 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		27.6 %	35-	140	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/10/23 15:33

SHS-14-1.5 T232845-26 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		SunStar L	aboratorie	s, Inc.					
Polynuclear Aromatic Compounds	by GC/MS with Selected	Ion Monito	ring						
Acenaphthene	ND	10	ug/kg	1	23J0134	10/09/23	10/09/23	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4	·	106 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/10/23 15:33

SHS-14-3.0 T232845-27 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		SunStar L	aboratorie	s, inc.					
Polynuclear Aromatic Compounds b	oy GC/MS with Selected	Ion Monito	oring						
Acenaphthene	ND	10	ug/kg	1	23J0134	10/09/23	10/09/23	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	n	
Surrogate: Terphenyl-dl4		100 %	18-1.	37	"	"	"	"	

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/10/23 15:33

SHS-43-1.5 T232845-55 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6020 Method									
Arsenic	4.4	0.050	mg/kg	1	23J0101	10/05/23	10/09/23	6020 ICP-MS	

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth

Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Chatsworth CA, 91311 Project Number: 3000107 Project Manager: Bill Clarke Reported:

10/10/23 15:33

Metals by EPA 6020 Method - Quality Control

SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 23J0101 - EPA 3050B										
Blank (23J0101-BLK1)				Prepared:	10/05/23 A	nalyzed: 10	0/09/23			
Arsenic	ND	0.050	mg/kg							
LCS (23J0101-BS1)				Prepared:	10/05/23 A	nalyzed: 10	0/09/23			
Arsenic	24.7	0.050	mg/kg	25.0		98.9	80-120			
Matrix Spike (23J0101-MS1)	Sour	ce: T232845-	-55	Prepared:	10/05/23 A	nalyzed: 10	0/09/23			
Arsenic	22.6	0.050	mg/kg	25.0	4.36	73.0	75-125			QM-05
Matrix Spike Dup (23J0101-MSD1)	Sour	ce: T232845-	-55	Prepared:	10/05/23 A	nalyzed: 10	0/09/23			
Arsenic	27.0	0.050	mg/kg	25.0	4.36	90.4	75-125	17.6	20	
Post Spike (23J0101-PS1)	Sour	ce: T232845-	-55	Prepared:	10/05/23 A	nalyzed: 10	0/09/23			
Arsenic	33.4		mg/kg	25.0	4.36	116	80-120			QM-PS

SunStar Laboratories, Inc.

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RPD

%REC

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/10/23 15:33

Reporting

$Organochlorine\ Pesticides\ by\ EPA\ Method\ 8081A-Quality\ Control$

SunStar Laboratories, Inc.

Spike

Source

		Reporting		Spike	Source		70KEC		KPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 23J0102 - EPA 3550C ECD/GC	MS									
Blank (23J0102-BLK1)				Prepared:	10/05/23 A	nalyzed: 10	/09/23			
alpha-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	"							
beta-BHC	ND	5.0	"							
delta-BHC	ND	5.0	"							
Heptachlor	ND	5.0	"							
Aldrin	ND	5.0	"							
Heptachlor epoxide	ND	5.0	"							
gamma-Chlordane	ND	5.0	"							
alpha-Chlordane	ND	5.0	"							
Endosulfan I	ND	5.0	"							
4,4′-DDE	ND	5.0	"							
Dieldrin	ND	5.0	"							
Endrin	ND	5.0	"							
4,4'-DDD	ND	5.0	"							
Endosulfan II	ND	5.0	"							
4,4´-DDT	ND	5.0	"							
Endrin aldehyde	ND	5.0	"							
Endosulfan sulfate	ND	5.0	"							
Methoxychlor	ND	5.0	"							
Endrin ketone	ND	5.0	"							
Toxaphene	ND	20	"							
Surrogate: Tetrachloro-meta-xylene	6.29		"	10.0		62.9	35-140			
Surrogate: Decachlorobiphenyl	3.37		"	10.0		33.7	35-140			S-G
LCS (23J0102-BS1)				Prepared:	10/05/23 A	nalyzed: 10	/09/23			
gamma-BHC (Lindane)	29.0	5.0	ug/kg	40.4		71.8	40-120			
Heptachlor	30.1	5.0	"	40.0		75.3	40-120			
Aldrin	28.2	5.0	"	40.0		70.4	40-120			
Dieldrin	29.9	5.0	"	40.2		74.3	40-120			
Endrin	31.5	5.0	"	40.2		78.4	40-120			
4,4'-DDT	30.4	5.0	"	40.4		75.3	33-147			
Surrogate: Tetrachloro-meta-xylene	5.84		"	10.0		58.4	35-140			
Surrogate: Decachlorobiphenyl	3.16		"	10.0		31.6	35-140			S-G

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/10/23 15:33

$Organochlorine\ Pesticides\ by\ EPA\ Method\ 8081A-Quality\ Control$

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 23J0102 - EPA 3550C ECD/GCMS										
LCS Dup (23J0102-BSD1)				Prepared: 1	10/05/23 Aı	nalyzed: 10	/09/23			
gamma-BHC (Lindane)	34.0	5.0	ug/kg	40.4		84.0	40-120	15.7	30	
Heptachlor	35.3	5.0	"	40.0		88.2	40-120	15.8	30	
Aldrin	33.0	5.0	"	40.0		82.4	40-120	15.8	30	
Dieldrin	34.6	5.0	"	40.2		86.0	40-120	14.6	30	
Endrin	36.5	5.0	"	40.2		90.8	40-120	14.7	30	
4,4'-DDT	35.5	5.0	"	40.4		87.8	33-147	15.4	30	
Surrogate: Tetrachloro-meta-xylene	6.80		"	10.0		68.0	35-140			
Surrogate: Decachlorobiphenyl	3.57		"	10.0		35.7	35-140			

SunStar Laboratories, Inc.

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



Analyte

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

RPD

Limit

Notes

%REC

Limits

RPD

%REC

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

Result

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/10/23 15:33

Reporting

Limit

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control SunStar Laboratories, Inc.

Units

Spike

Level

Source

Result

7 mary te	resuit	Limit	Omto	Level	resure	70ICLC	Limits	TG D	Dillit	110103
Batch 23J0134 - EPA 3550 ECD/GC	EMS									
Blank (23J0134-BLK1)				Prepared &	& Analyzed:	10/09/23				
Acenaphthene	ND	10	ug/kg							
Acenaphthylene	ND	5.0	"							
Anthracene	ND	5.0	"							
Benzo (a) anthracene	ND	5.0	"							
Benzo (b) fluoranthene	ND	10	"							
Benzo (k) fluoranthene	ND	10	"							
Benzo (g,h,i) perylene	ND	5.0	"							
Benzo (a) pyrene	ND	10	"							
Chrysene	ND	5.0	"							
Dibenz (a,h) anthracene	ND	5.0	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	10	"							
Indeno (1,2,3-cd) pyrene	ND	5.0	"							
Naphthalene	ND	5.0	"							
Phenanthrene	ND	5.0	"							
Pyrene	ND	10	"							
Surrogate: Terphenyl-dl4	328		"	333		98.3	18-137			
LCS (23J0134-BS1)				Prepared &	& Analyzed:	10/09/23				
Acenaphthene	240	10	ug/kg	333		72.1	50-130			
Pyrene	192	10	"	333		57.5	33.8-100			
Surrogate: Terphenyl-dl4	389		"	333		117	18-137			
LCS Dup (23J0134-BSD1)				Prepared &	& Analyzed:	10/09/23				
Acenaphthene	240	10	ug/kg	333		71.9	50-130	0.278	31	
Pyrene	195	10	"	333		58.4	33.8-100	1.55	30	
Surrogate: Terphenyl-dl4	368		"	333		110	18-137			

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 3000107 Reported:
Chatsworth CA, 91311 Project Manager: Bill Clarke 10/10/23 15:33

Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

QM-PS The percent recovery and/or RPD are outside acceptance criteria. Results accepted based upon percent recovery results in the post spike

and/or serial dilution.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within

acceptance criteria. The data is acceptable as no negative impact on data is expected.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.

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

Chain of Custody Record

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE
25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Client:

Project Manager:

420-000

Fax:

420000

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																					nents
					Notes					1					N						Comments/Preservative
					S																erva
																					ive
							1														Total # of containers

Batch #:	Collector: C50	Date: 4-24-
7232845	. C5C	lame: 57(-e/ H5
EDF #	Client Project #: 300	Page:_
1	oject #:	-
	3000	Q.
	07	4

Chain of Custody Record

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE
25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020
ent:

Client:

Address: holo water

Phone:

(CO) 420-000

Fax:

\$170 Chemas

Project Manager: S Clark

Sample	Relino	R	Refino	1	Relinc	25	82	27	26	1	×	24	23	22	2	8	-	Ġ.	72	5	Laboratory ID #
Sample disposal Instructions:	Relinquished by: (signature)	27	Refinquished by: (signature)	5	Relinquished by: (signature)	5/45/6	5H5 - 10	11-2415	11-5715	345-16	5H5-11	1- SHS	1- 5+6	5-5HS	5-845 C	545-6	5-15	cts o	CK-0.	545-0	Sample ID
- 1	gnature)	9-	gnature)	1	gnature)	5-115	20-00	4-3:0	7-119	1-050	4-018	13-3,0	2-11-5	23-05	8-310	11-80	50-80	7-30	7-115	7-0,5	e D
Disposal @ \$2.00 each	Date / Time	27.23	Date / Time	9223	Date / Time	1														9-26-23	Date
ach	me	1201	me	0922	me	CM	145	1205	1200		1155	いない	1236	1240	5915	040	20105	082	084	080	Time
Return to client	Received by	2	Received by	23	Received by															4521	Sample Type
oliont	Received by: (signature)	1	by: (signature)	(Received by: (signature)						1×35+									80208	Container Type
		1-6		9							X								Ì		8260 JOC5
Distant		52.27	B	其	B																8260 + OXY
1	Date	22	Date /	423	Date																8260 BTEX, OXY only
	Date / Time		-	-	Date / Time																8270
	ne	10	Time	2260	ne							L									8021 BTEX
		12047		22																	8015M (gasoline)
	un Tu			Chain							_	L									8015M (diesel)
	aroi	ceive		n of					-		1				_						8015M Ext./Carbon Chain
	Turn around time:	d go	Sea	Custo	Tot	-		-	H	-	1	H	-	1	-		X			X	6010/7000 Title 22 Metals
	ime	od co	Is int	ody s	al#	H	×	H	H	-			H		H	H	~			7	6020 ICP-MS Metals
	Si	onditi	act?	eals	of cor	-	-	H	H	\vdash	X	H	H	X	H	H		H		*	0111
	3	Received good condition/cold	Seals intact? Y/N/NA	of Custody seals Y/N/NA	Total # of containers	-	H	H	H	\vdash	*			-	-						Q-D
	V	old L	(8)	8	Sie	L	L	L	L												1CB5
		34.1									1										Asbestos
		4			Notes	干さん		HOCK	25	1000 C		FG	Hol &		86	146		F18	1200		Comments/Preservative
						-	-	-	-	-	-	-	-	+	+	-	-		-	-	Total # of containers

Chain of Custody Record

Client:

949-297-5020

SunStar Laboratories, Inc. 25712 Commercentre Dr Lake Forest, CA 92630

Address:

holo water

Fax:

Phone.

Project Manager:

Batch #:

EDF #

Client Project #:

30000

Page:

9

Project Name:

Date: 9-25

		Date / Time	Received by: (signature)	Date / Time ' /	Relinquished by: (signature)
ve.	Seals intact? Y/N(NA) Received good condition/cold	Date / Time	Received by: (signature)	7-23 (047	Relinquished by: (signature)
	Chain of Custody seals Y/N/NA	13	B3n 9	SUR	101
Notes	Total # of containers	Date / Time	Received by: (signature)		Relinquished by: (signature)
Had				112/	シモージーニア
	XX			1(20	30-12-549
(FRC)				30%	145 - 32 - 3,0
Ada				252	15 -32-15
	XX			1250	30-52-5H
404				22	5HS - 51-17
	××			in	2/45 -31-0:5
五の				1202	0145 -30-3,0
(4dc	-/			1400	145-30-115
	×			1351	175-30-015 O
	* *			1787	30-0x-2+C
(HCV				2161	5/4 -16-30
Hich.				01621	21-01-245
	××			1305	150-01-0HD
force			541 Bee 5	5-2121202	いてースーツの
Comments/Preservative	8015M (diesel) 8015M Ext./Carbon Chain 6010/7000 Title 22 Metals CCP Laboratory ID #	8260 8260 + OXY 8260 BTEX, OXY only 8270 8021 BTEX 8015M (gasoline)		Date Sampled Time	Sample ID

AIR LABORATORY Chain of Custody Record

AIR LABORATORY	SunStar I aboratories Inc	es Inc
Chain of Custody Record	PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE 25712 Commercentre Drive, Lake Forest, CA 92630	vices Nationwide ke Forest, CA 92630
Client: CSC	Date: 4-24-27 Page:	5 2 2 X
Address: 400 warmer Plcz- Or #170	SH YOU	
Phone: (542) 425 coco Fax:		Client Project #: 3,000 /07
Project Manager: S CKIKC	Batch #: 1232845 EDF	EDF#

	-			_		14.85	3	5+ 45	14 95	55 40	8439	82.28	52 37	8 18	5025	49 34	W		K 2h	452h	
	Relinquished by: (signature)		Relinquished by: (signature)		Relinquished by: (signature)	1-11-11-12V	AT IN ORD	3.0. nn - 2x1c	5/2 - 22 - 30	545 -43-115	シャン・ハルーのア	2/2-21-30	21-21-145	となってもられ	いれーコート	Sts-111-015	5H5 - 40 - 30	211-011-5415	いた-20-05	5H5-39-310	Sample ID
	Date / Time	·27.23 104	Date / Time	(Date / Time	10	1	100	10	10.	10	それ	A to	46 +	11	le le	11	1	, le	9.26.23	Date Sampled T
	me R			^		100		5501	100	020	1000	東	0	th 100	110	105	18	7211	120	1140	Start
	eceived	9	eceive	83	eceive				_			100	055	50						1	Finish
	by: (signa	1	Received by: (signature))	d by: (signa																Sample Type: Soil Gas / Indoor
	Received by: (signature) Date / Time		N	9-27-23	Received by: (signature) Date / Time																Container Type: Symma Cal
	te / Time	9-27-23	\exists	3 0922	te / Time		1													5.3	Initial Prossure
Turn around			_				100	·2007	٧.,											$\overline{}$	Construction of the Pressure
		Ve		Chain of Custody seals Y/N/NA				X			X			X		X			X		10-3 OCIZ
		good	Seals intact? Y/N/NA	ustody	Total # of containers			X			X			X		X			K	-	10-14 Wetak
1		cond	intact	seal	# of c	-	H	X		-	-	-	-	+	-				-	-	10-15 JOCs 8015m Methane PAH
0		ition/c	N/Y?	NY	ontair			X								1	1	1		\rightarrow	8015m Gasoline TPH
		-	图	(3)	S. S.		1	1	N												Eixed Gases by TCD PCB
	1	04.40					1	8													Achorstos
	,	, 0			Notes	FIG			F16	512)	P 10th	15/2	THE A	AND		Fio	5/4	*	FLS	Summa Can # / Comments
						-	-	+	+	1	-	-	+	-	1	1	1	1	-	-	_aboratory ID #

COCAL 146008

AIR LABORATORY Chain of Custody Record

Project Manager: PS Plack* T232845	Phone: 502) 420-600 Fax: Lakewar Collector: (50	Address: 4010 Cockso DICZY Dr. #170 Project Name: Sylvar	Client: CSC Date: 4-25-7-3	949-297-5020
Batch # 7232815	Collector: (5C	Project Name: Sylver HS	0	949-297-5020
EDF#	Client Project #:		Page: 5	1

	1	NANCECT.
300007	Client Project #: 300007	OF 656
		Name: Sylver HS
N 20	Page: S of S	9-28-23
	\	949-297-5020
A 92630	ve, Lake Forest, C	25712 Commercentre Drive, Lake Forest, CA 92630
WIDE	AL SERVICES NATION	PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE
C.	ories, in	Laboratories, inc.

															3	6	60	3	
* TO-15 SIM analysis available upon prior notification. (Precertified Summa cans needed)	Relinquished by: (signature)	Relinquished by: (signature)	21	Relinquished by: (signature)	\	1						/	1/4	んだっている	51+5-45-30	511-5n-5x15	50-5n-45	5H5-44-30	Sample ID
pon prior notificati	7-23 047 Date / Time	Date / Time	5265	Date / Time					V	/			9	U	10	6	0	9-2423 10	Date St
on. (Precertific		me Receive	Joseph Laters	me Receive					X						720	30	000	00	Start Finish
ed Summa can	d by: (signatur	Jagon De la Contraction de la	1	d by: (signatur				X		\	\						/)	Sample Co Soll Gas / Indoor
is needed)	Received by: (signature) Date / Time	re) Date / Time	9-29-23 0922	Received by: (signature) Date / Time		1	1				\	1					1.	15011	Container Type: Summa initial Tedlan Pressure
Turn ar	7:47 Rece		727 Chain										1					80321	Contrave Final Pressure
Turn around time: STD	Received good condition/cold	Seals intact? Y/N/	of Custody seals Y/N/	Total # of containers													XX		TO-14 Meta(s TO-15 8015m Methane 8015m Gasoline
	Plot H. H.			ers				-							-	H		+	Fixed Gases by TCD
				Notes											Hot &	418		HICE	Summa Can # / Comments
						1	1	1											Laboratory ID #



SAMPLE RECEIVING REVIEW SHEET

Delivered by: If Courier, Received by: Lab Received by: Total number of coolers received	Client SunStar Courier Travis d: / Thermometer ID: (-/ °C +/- the CF (+ 0.3°C) °C +/- the CF (+ 0.3°C) °C +/- the CF (+ 0.3°C) Within cr	Date/Time Cou Received: Date/Time Lab Received: SC-1	FedEx urier Calib		er 23 10:47 e: 8/2/24 ure
If Courier, Received by: Lab Received by: Total number of coolers received Temperature: Cooler #1 Temperature: Cooler #2 Temperature: Cooler #3 Temperature criteria = ≤ 6°C (no frozen containers) If NO: Samples received on ice If on ice, samples received collected? Custody seals intact on cooler/samples	Travis d: / Thermometer ID: f. / °C +/- the CF (+ 0.3°C) °C +/- the CF (+ 0.3°C) °C +/- the CF (+ 0.3°C)	Date/Time Cou Received: Date/Time Lab Received: SC-1	Calib	9/27/ pration duc	23 10:47 e: <u>8/2/24</u> ure
Lab Received by: Total number of coolers received Temperature: Cooler #1 Temperature: Cooler #2 Temperature: Cooler #3 Temperature criteria = ≤ 6°C (no frozen containers) If NO: Samples received on ice If on ice, samples received collected? Custody seals intact on cooler/samples	d: / Thermometer ID: {. / °C +/- the CF (+ 0.3°C) °C +/- the CF (+ 0.3°C) °C +/- the CF (+ 0.3°C)	Received: Date/Time Lab Received:SC-1	°C correc	eration du	e: <u>8/2/24</u> ure
Total number of coolers received Temperature: Cooler #1 Temperature: Cooler #2 Temperature: Cooler #3 Temperature criteria = ≤ 6°C (no frozen containers) If NO: Samples received on ice If on ice, samples received collected? Custody seals intact on cooler/samples	d: / Thermometer ID: {. / °C +/- the CF (+ 0.3°C) °C +/- the CF (+ 0.3°C) °C +/- the CF (+ 0.3°C)	Received:SC-1 =	Calib	eration du	e: <u>8/2/24</u> ure
Temperature: Cooler #2 Temperature: Cooler #2 Temperature: Cooler #3 Temperature criteria = ≤ 6°C (no frozen containers) If NO: Samples received on ice If on ice, samples receive collected? Custody seals intact on cooler/samples	C +/- the CF (+ 0.3°C) °C +/- the CF (+ 0.3°C) °C +/- the CF (+ 0.3°C)	= 4.4	°C correc	eted temperat	ure
Temperature: Cooler #2 Temperature: Cooler #3 Temperature criteria = ≤ 6°C (no frozen containers) If NO: Samples received on ice If on ice, samples receive collected? Custody seals intact on cooler/sa	°C +/- the CF (+ 0.3°C) °C +/- the CF (+ 0.3°C)	=	°C correc		
Temperature: Cooler #3 Temperature criteria = ≤ 6°C (no frozen containers) If NO: Samples received on ice If on ice, samples receive collected? Custody seals intact on cooler/sa	°C +/- the CF (+ 0.3°C)	=		eted temperat	
Temperature criteria = ≤ 6°C (no frozen containers) If NO: Samples received on ice If on ice, samples received collected? Custody seals intact on cooler/samples			°C correc		ure
(no frozen containers) If NO: Samples received on ice If on ice, samples receive collected? Custody seals intact on cooler/se	Within cr	eltania O		cted temperat	ture
Samples received on ice If on ice, samples received collected? Custody seals intact on cooler/sa		riteria?	Ves	□No	□N/A
	ed come day	Acceptable	□No →	te Non-Co	nformance Sheet
Sample containers intact	ample		□Yes	□No*	□N/A
			Yes	□No*	
Sample labels match Chain of C	ustody IDs		Yes	□No*	
Total number of containers rece	ived match COC		Y es	□No*	
Proper containers received for a	nalyses requested on COC		Yes	□No*	
Proper preservative indicated on	COC/containers for analyses	s requested	Ves	□No*	□N/A
Complete shipment received in containers, labels, volumes presholding times			Yes	No*	
* Complete Non-Conformance Rec	eiving Sheet if checked Coo	oler/Sample Revie	w - Initial	s and date:	FB 9/27/2
Comments: The Sample		5, 10 1 - 9	/25/23	at 11:15)
is not listed on	"SHS-41-3.0" (s	Junillas On 11	5	received	•



SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # 123 2845	
 COOLERS	LABELS
Project Manager notified of sample non-conformance(s)	— ✓Yes □No
All samples accepted for processing and distributing to I	=/ =
For samples not accepted due to non-conformance, spec section below:	ify each specific sample ID being rejected in the comments
Comments:	

Joann Marroquin

From: Bill Clarke <dbclarke@csceng.com>
Sent: Thursday, October 5, 2023 8:42 AM

To: Joann Marroquin **Cc:** Jeff Bannon

Subject: Sylmar HS - Additional Sample Analysis

Follow Up Flag: Follow up Flag Status: Flagged

Good Morning Joann,

We would like to run following additional samples/analyses, on 3-day TAT:

T232845-08 SHS-04-1.5 8081A OCPs
 T232845-09 SHS-04-3.0 8081A OCPs

T232845-55 SHS-43-1.5 6010B Arsenic only

Thank you very much.

Regards, Bill Clarke

Donald "Bill" Clarke III, P.G.

Project Manager

Clark Seif Clark, Inc. (CSC)

Physical: 21732 Devonshire Street, Suite B – Chatsworth, CA 91311

Mailing: P.O. Box 4299 Chatsworth, CA 91313

tel 818-727-2553 fax 818-727-2556 cell 818-426-8804

e-mail dbclarke@csceng.com

www.csceng.com



LOS ANGELES ~ LONG BEACH ~ SAN FRANCISCO ~ IRVINE ~ SAN DIEGO ~ PHOENIX ~ KENTUCKY

---PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL---

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Joann Marroquin

From: Bill Clarke <dbclarke@csceng.com>
Sent: Monday, October 9, 2023 8:44 AM

To: Joann Marroquin

Subject: Add Analysis, Two More Sylmar Samples

Follow Up Flag: Follow up Flag Status: Flagged

Hi Joann,

May we please also add the following archived samples for PAHs (by 8270C SIM):

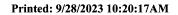
- T232845-26 SHS-14-1.5 - T232845-27 SHS-14-3.0

I think hold expires today around noon. Perhaps extraction could be started by then?

Thank you!

Regards, Bill Clarke

Sent from my iPhone





WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Project: Sylmar High School PEA-E Project Number: 3000107

Report To:

Clark Seif Clark - Chatsworth

Bill Clarke

21732 Devonshire Street, 2nd Floor

Chatsworth, CA 91311

Date Due: 10/04/23 17:00 (5 day TAT)

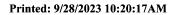
Received By: Travis Berner Date Received: 09/27/23 10:47
Logged In By: Irma Vela Date Logged In: 09/28/23 09:26

Samples Received at: 4.4°€

Custody Seals No Received On Ice Yes

COC/Labels Agree Yes
Preservation Confirme Yes

Analysis	Due	TAT	Expires	Comments	
T232845-01 SHS-02-0.5	[Soil] Sampled 09/26/23 08:30	(GMT-08:00)) Pacific		
Time (US &	<u>.</u> <u>.</u>				
6010 Title 22	10/04/23 15:00	5	03/24/24 08:30		
8081 Pesticides	10/04/23 15:00	5	10/10/23 08:30		
T232845-02 SHS-02-1.5 Time (US & [NO ANALYSES]	[Soil] Sampled 09/26/23 08:35	(GMT-08:00) Pacific	HOLD	
T232845-03 SHS-02-3.0 [Time (US &	[Soil] Sampled 09/26/23 08:40	(GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232845-04 SHS-03-0.5 Time (US &	[Soil] Sampled 09/26/23 09:10	(GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 09:10		
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:10		
T232845-05 SHS-03-1.5 Time (US &	[Soil] Sampled 09/26/23 09:15	(GMT-08:00)) Pacific	HOLD	
[NO ANALYSES]					
T232845-06 SHS-03-3.0 Time (US &	[Soil] Sampled 09/26/23 09:20	(GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					





WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments	
T232845-07 SHS-04-0.5 [Soil] Time (US &	Sampled 09/26/23 09:30				
6010 Title 22	10/04/23 15:00	5	03/24/24 09:30		
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:30		
T232845-08 SHS-04-1.5 [Soil Time (US & [NO ANALYSES]	Sampled 09/26/23 09:35	(GMT-08:00) Pacific	HOLD	
T232845-09 SHS-04-3.0 [Soil Time (US & [NO ANALYSES]	Sampled 09/26/23 09:40	(GMT-08:00) Pacific	HOLD	
T232845-10 SHS-05-0.5 [Soil] Time (US &	Sampled 09/26/23 09:00	(GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 09:00		
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:00		
T232845-11 SHS-05-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 09:05	(GMT-08:00) Pacific	HOLD	
T232845-12 SHS-05-3.0 [Soil Time (US &	Sampled 09/26/23 09:10	(GMT-08:00) Pacific	HOLD	
[NO ANALYSES] T232845-13 SHS-06-0.5 [Soil] Time (US &	Sampled 09/26/23 08:25	(GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 08:25		
8081 Pesticides	10/04/23 15:00	5	10/10/23 08:25		
T232845-14 SHS-06-1.5 [Soil] Sampled 09/26/23 08:30 (GMT-08:00) Pacific Time (US & [NO ANALYSES]					
T232845-15 SHS-06-3.0 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES]					
T232845-16 SHS-07-0.5 [Soil] Sampled 09/26/23 08:10 (GMT-08:00) Pacific Time (US &					
Time (US &					
Time (US & 6010 Title 22	10/04/23 15:00	5	03/24/24 08:10		

Printed: 9/28/2023 10:20:17AM



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-17 SHS-07-1.5 [Soil Time (US &	Sampled 09/26/23 08:15	5 (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-18 SHS-07-3.0 [Soil Time (US &	Sampled 09/26/23 08:20) (GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-19 SHS-08-0.5 [Soil Time (US &	Sampled 09/26/23 09:05	5 (GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 09:05	
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:05	
T232845-20 SHS-08-1.5 [Soil Time (US & [NO ANALYSES]	l] Sampled 09/26/23 09:10) (GMT-08:00)) Pacific	HOLD
T232845-21 SHS-08-3.0 [Soil Time (US & [NO ANALYSES]	l] Sampled 09/26/23 09:15	5 (GMT-08:00)) Pacific	HOLD
T232845-22 SHS-13-0.5 [Soil Time (US &	Sampled 09/26/23 12:40) (GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 12:40	
8081 Pesticides	10/04/23 15:00	5	10/10/23 12:40	
T232845-23 SHS-13-1.5 [Soil Time (US & [NO ANALYSES]	l] Sampled 09/26/23 12:45	5 (GMT-08:00)) Pacific	HOLD
T232845-24 SHS-13-3.0 [Soil Time (US &	Sampled 09/26/23 12:50) (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-25 SHS-14-0.5 [Soil Time (US &	[] Sampled 09/26/23 11:55	6 (GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 11:55	
8015 Carbon Chain	10/02/23 15:00	3	10/10/23 11:55	
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:55	
8082 PCB	10/04/23 15:00	5	10/10/23 11:55	
8260 5035	10/02/23 15:00	3	10/10/23 23:59	
8270C PAH SIM	10/04/23 15:00	5	10/10/23 11:55	

Printed: 9/28/2023 10:20:17AM

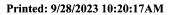


WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments			
T232845-26 SHS-14-1.5 [Soil] Time (US &	Sampled 09/26/23 12:00	(GMT-08:00)) Pacific	HOLD			
[NO ANALYSES]							
T232845-27 SHS-14-3.0 [Soil] Time (US &	Sampled 09/26/23 12:05	6 (GMT-08:00)) Pacific	HOLD			
[NO ANALYSES]							
T232845-28 SHS-15-0.5 [Soil] Time (US &	Sampled 09/26/23 13:35	GMT-08:00)) Pacific				
6010 Title 22	10/04/23 15:00	5	03/24/24 13:35				
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:35				
T232845-29 SHS-15-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:40	(GMT-08:00)) Pacific	HOLD			
T232845-30 SHS-15-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:45	6 (GMT-08:00)) Pacific	HOLD			
T232845-31 SHS-16-0.5 [Soil] Time (US &	Sampled 09/26/23 13:05	6 (GMT-08:00)) Pacific				
6010 Title 22	10/04/23 15:00	5	03/24/24 13:05				
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:05				
T232845-32 SHS-16-1.5 [Soil] Time (US &	Sampled 09/26/23 13:10	HOLD					
[NO ANALYSES] T232845-33 SHS-16-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:15	HOLD					
T232845-34 SHS-30-0.5 [Soil] Time (US &	T232845-34 SHS-30-0.5 [Soil] Sampled 09/26/23 13:55 (GMT-08:00) Pacific Time (US &						
6010 Title 22	10/04/23 15:00	5	03/24/24 13:55				
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:55				
T232845-35 SHS-30-0.5D [Soi	il] Sampled 09/26/23 13::	57 (GMT-08:	00) Pacific				
6010 Title 22	10/04/23 15:00	5	03/24/24 13:57				
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:57				



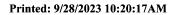


WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-36 SHS-30-1.5 [Soil] Time (US &	Sampled 09/26/23 14:00) (GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-37 SHS-30-3.0 [Soil] Time (US &	Sampled 09/26/23 14:05	5 (GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-38 SHS-31-0.5 [Soil] Time (US &	Sampled 09/26/23 13:3:	5 (GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:35	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:35	
T232845-39 SHS-39-1.5 [Soil] Time (US &	Sampled 09/26/23 13:4:	5 (GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-40 SHS-32-0.5 [Soil] Time (US &	Sampled 09/26/23 12:50) (GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 12:50	
8081 Pesticides	10/04/23 15:00	5	10/10/23 12:50	
T232845-41 SHS-32-1.5 [Soil] Time (US &	Sampled 09/26/23 12:55	5 (GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-42 SHS-32-3.0 [Soil] Time (US &	Sampled 09/26/23 13:00) (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-43 SHS-39-0.5 [Soil] Time (US &	Sampled 09/26/23 11:30) (GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 11:30	
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:30	
T232845-44 SHS-39-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 11:35	HOLD		
T232845-45 SHS-39-3.0 [Soil] Time (US &	Sampled 09/26/23 11:40	HOLD		
[NO ANALYSES]				





WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments	
T232845-46 SHS-40-0.5 [So Time (US &	il] Sampled 09/26/23 11:20	(GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 11:20		
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:20		
T232845-47 SHS-40-1.5 [So Time (US & [NO ANALYSES]	il] Sampled 09/26/23 11:25	(GMT-08:00) Pacific	HOLD	
T232845-48 SHS-40-3.0 [So Time (US & [NO ANALYSES]	il] Sampled 09/26/23 11:30	(GMT-08:00) Pacific	HOLD	
T232845-49 SHS-41-0.5 [So Time (US &	oil] Sampled 09/26/23 11:05	(GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 11:05		
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:05		
T232845-50 SHS-41-1.5 [So Time (US & [NO ANALYSES]	il] Sampled 09/26/23 11:10	(GMT-08:00) Pacific	HOLD	
T232845-51 SHS-42-0.5 [So Time (US &	il] Sampled 09/26/23 10:50	(GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 10:50		
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:50		
T232845-52 SHS-42-1.5 [So Time (US & [NO ANALYSES]	il] Sampled 09/26/23 10:55	(GMT-08:00) Pacific	HOLD	
T232845-53 SHS-42-3.0 [So Time (US & [NO ANALYSES]	il] Sampled 09/26/23 11:00	(GMT-08:00) Pacific	HOLD	
T232845-54 SHS-43-0.5 [Soil] Sampled 09/26/23 10:25 (GMT-08:00) Pacific Time (US &					
6010 Title 22	10/04/23 15:00	5	03/24/24 10:25		
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:25		
T232845-55 SHS-43-1.5 [So Time (US & [NO ANALYSES]	il] Sampled 09/26/23 10:30	(GMT-08:00) Pacific	HOLD	

Printed: 9/28/2023 10:20:17AM



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-56 SHS-43-3.0 [Soil] Time (US &	Sampled 09/26/23 10:35	5 (GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-57 SHS-44-0.5 [Soil] Time (US &	Sampled 09/26/23 10:30) (GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 10:30	
8015 Carbon Chain	10/02/23 15:00	3	10/10/23 10:30	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:30	
8082 PCB	10/04/23 15:00	5	10/10/23 10:30	
8260 5035	10/02/23 15:00	3	10/10/23 23:59	
8270C PAH SIM	10/04/23 15:00	5	10/10/23 10:30	
T232845-58 SHS-44-1.5 [Soil] Time (US &	Sampled 09/26/23 10:35	5 (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-59 SHS-44-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 10:40) (GMT-08:00) Pacific	HOLD
T232845-60 SHS-45-0.5 [Soil] Time (US &	Sampled 09/26/23 10:10) (GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 10:10	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:10	
T232845-61 SHS-45-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 10:30	HOLD		
T232845-62 SHS-45-3.0 [Soil] Time (US &	Sampled 09/26/23 10:45	5 (GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-63 SHS-41-3.0 [Soil] Time (US &	Sampled 09/25/23 11:15	5 (GMT-08:00) Pacific	
[NO ANALYSES]				
Envirocheck, Inc. T232845-25 SHS-14-0.5 [Soil] Time (US &	Sampled 09/26/23 11:55	5 (GMT-08:00) Pacific	
Misc. Subcontract (see notes)	10/04/23 15:00	5	03/24/24 11:55	Asbestos PLM

Printed: 9/28/2023 10:20:17AM



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Project: Sylmar High School PEA-E Project Number: 3000107

Analysis Due TAT Expires Comments

Envirocheck, Inc.

T232845-57 SHS-44-0.5 [Soil] Sampled 09/26/23 10:30 (GMT-08:00) Pacific

Time (US &

Misc. Subcontract (see notes) 10/04/23 15:00 5 03/24/24 10:30 Asbestos PLM

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By Date



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Project: Sylmar High School PEA-E Project Number: 3000107

Report To:

Clark Seif Clark - Chatsworth

Bill Clarke

21732 Devonshire Street, 2nd Floor

Chatsworth, CA 91311

Date Due: 10/04/23 17:00 (5 day TAT)

Received By: Travis Berner Date Received: 09/27/23 10:47
Logged In By: Irma Vela Date Logged In: 09/28/23 09:26

Samples Received at: 4.4°€

Custody Seals No Received On Ice Yes

COC/Labels Agree Yes
Preservation Confirme Yes

Analysis	Due	TAT	Expires	Comments	
T232845-01 SHS-02-0.5 [Soil] Sampled 09/26/23 08:30	(GMT-08:00) Pacific		
Time (US &					
6010 Title 22	10/04/23 15:00	5	03/24/24 08:30		
8081 Pesticides	10/04/23 15:00	5	10/10/23 08:30		
T232845-02 SHS-02-1.5 [Time (US & [NO ANALYSES]	Soil] Sampled 09/26/23 08:35	(GMT-08:00)) Pacific	HOLD	
T232845-03 SHS-02-3.0 [Time (US &	Soil] Sampled 09/26/23 08:40	(GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232845-04 SHS-03-0.5 [Time (US &	Soil] Sampled 09/26/23 09:10	(GMT-08:00)) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 09:10		
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:10		
T232845-05 SHS-03-1.5 [Time (US & [NO ANALYSES]	Soil] Sampled 09/26/23 09:15	(GMT-08:00)) Pacific	HOLD	
T232845-06 SHS-03-3.0 [Time (US & [NO ANALYSES]	Soil] Sampled 09/26/23 09:20	(GMT-08:00)) Pacific	HOLD	



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments	
T232845-07 SHS-04-0.5 [Soil] Time (US &	Sampled 09/26/23 09:30				
6010 Title 22	10/04/23 15:00	5	03/24/24 09:30		
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:30		
T232845-08 SHS-04-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 09:35	(GMT-08:00) Pacific	HOLD	
T232845-09 SHS-04-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 09:40	(GMT-08:00) Pacific	HOLD	
T232845-10 SHS-05-0.5 [Soil] Time (US &	Sampled 09/26/23 09:00	(GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 09:00		
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:00		
T232845-11 SHS-05-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 09:05	(GMT-08:00) Pacific	HOLD	
T232845-12 SHS-05-3.0 [Soil] Time (US &	Sampled 09/26/23 09:10	(GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232845-13 SHS-06-0.5 [Soil] Time (US &	Sampled 09/26/23 08:25	(GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 08:25		
8081 Pesticides	10/04/23 15:00	5	10/10/23 08:25		
T232845-14 SHS-06-1.5 [Soil] Sampled 09/26/23 08:30 (GMT-08:00) Pacific Time (US & [NO ANALYSES]					
T232845-15 SHS-06-3.0 [Soil] Sampled 09/26/23 08:35 (GMT-08:00) Pacific Time (US & [NO ANALYSES]					
T232845-16 SHS-07-0.5 [Soil] Time (US &	Sampled 09/26/23 08:10	(GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	03/24/24 08:10		



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-17 SHS-07-1.5 [Soil] Time (US &	Sampled 09/26/23 08:15	GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-18 SHS-07-3.0 [Soil] Time (US &	Sampled 09/26/23 08:20	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-19 SHS-08-0.5 [Soil] Time (US &	Sampled 09/26/23 09:05	(GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 09:05	
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:05	
T232845-20 SHS-08-1.5 [Soil] Time (US &	Sampled 09/26/23 09:10	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-21 SHS-08-3.0 [Soil] Time (US &	Sampled 09/26/23 09:15	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-22 SHS-13-0.5 [Soil] Time (US &	Sampled 09/26/23 12:40	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 12:40	
8081 Pesticides	10/04/23 15:00	5	10/10/23 12:40	
T232845-23 SHS-13-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 12:45	6 (GMT-08:00)) Pacific	HOLD
T232845-24 SHS-13-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 12:50	(GMT-08:00)) Pacific	HOLD
T232845-25 SHS-14-0.5 [Soil] Time (US &	Sampled 09/26/23 11:55	(GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 11:55	
8015 Carbon Chain	10/02/23 15:00	3	10/10/23 11:55	
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:55	
8082 PCB	10/04/23 15:00	5	10/10/23 11:55	
8260 5035	10/02/23 15:00	3	10/10/23 23:59	
8270C PAH SIM	10/04/23 15:00	5	10/10/23 11:55	



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-26 SHS-14-1.5 [Soil] Time (US &	Sampled 09/26/23 12:0	0 (GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-27 SHS-14-3.0 [Soil] Time (US &	Sampled 09/26/23 12:0	5 (GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-28 SHS-15-0.5 [Soil] Time (US &	Sampled 09/26/23 13:3	5 (GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:35	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:35	
T232845-29 SHS-15-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:4	0 (GMT-08:00) Pacific	HOLD
T232845-30 SHS-15-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:4	5 (GMT-08:00) Pacific	HOLD
T232845-31 SHS-16-0.5 [Soil] Time (US &	Sampled 09/26/23 13:0	5 (GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:05	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:05	
T232845-32 SHS-16-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:1	HOLD		
T232845-33 SHS-16-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:1	HOLD		
T232845-34 SHS-30-0.5 [Soil] Time (US &	Sampled 09/26/23 13:5	5 (GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:55	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:55	
T232845-35 SHS-30-0.5D [Soi Time (US &	il] Sampled 09/26/23 13:	:57 (GMT-08:	00) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 13:57	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:57	



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments			
T232845-36 SHS-30-1.5 [Soil] Time (US &	Sampled 09/26/23 14:00	(GMT-08:00) Pacific	HOLD			
[NO ANALYSES]							
T232845-37 SHS-30-3.0 [Soil] Time (US &	Sampled 09/26/23 14:05	(GMT-08:00) Pacific	HOLD			
[NO ANALYSES]							
T232845-38 SHS-31-0.5 [Soil] Time (US &	Sampled 09/26/23 13:35	(GMT-08:00) Pacific				
6010 Title 22	10/04/23 15:00	5	03/24/24 13:35				
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:35				
T232845-39 SHS-31-1.5 [Soil] Time (US &	Sampled 09/26/23 13:45	(GMT-08:00) Pacific	HOLD			
[NO ANALYSES]							
T232845-40 SHS-32-0.5 [Soil] Time (US &	Sampled 09/26/23 12:50	(GMT-08:00) Pacific				
6010 Title 22	10/04/23 15:00	5	03/24/24 12:50				
8081 Pesticides	10/04/23 15:00	5	10/10/23 12:50				
T232845-41 SHS-32-1.5 [Soil] Time (US &	Sampled 09/26/23 12:55	(GMT-08:00) Pacific	HOLD			
[NO ANALYSES]							
T232845-42 SHS-32-3.0 [Soil] Time (US &	Sampled 09/26/23 13:00	(GMT-08:00) Pacific	HOLD			
[NO ANALYSES]							
T232845-43 SHS-39-0.5 [Soil] Time (US &	T232845-43 SHS-39-0.5 [Soil] Sampled 09/26/23 11:30 (GMT-08:00) Pacific Time (US &						
6010 Title 22	10/04/23 15:00	5	03/24/24 11:30				
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:30				
T232845-44 SHS-39-1.5 [Soil] Time (US &	Sampled 09/26/23 11:35	HOLD					
[NO ANALYSES]							
T232845-45 SHS-39-3.0 [Soil] Time (US &	Sampled 09/26/23 11:40	(GMT-08:00) Pacific	HOLD			
[NO ANALYSES]							



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments		
T232845-46 SHS-40-0.5 [Soil] Sampled 09/26/23 11:20 (GMT-08:00) Pacific Time (US &						
6010 Title 22	10/04/23 15:00	5	03/24/24 11:20			
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:20			
T232845-47 SHS-40-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 11:25	HOLD				
T232845-48 SHS-40-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 11:30	(GMT-08:00)) Pacific	HOLD		
T232845-49 SHS-41-0.5 [Soil] Time (US &	Sampled 09/26/23 11:05	(GMT-08:00)) Pacific			
6010 Title 22	10/04/23 15:00	5	03/24/24 11:05			
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:05			
T232845-50 SHS-41-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 11:10	(GMT-08:00)) Pacific	HOLD		
T232845-51 SHS-42-0.5 [Soil] Time (US &	Sampled 09/26/23 10:50	(GMT-08:00) Pacific			
6010 Title 22	10/04/23 15:00	5	03/24/24 10:50			
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:50			
T232845-52 SHS-42-1.5 [Soil] Time (US &	Sampled 09/26/23 10:55	HOLD				
[NO ANALYSES]						
T232845-53 SHS-42-3.0 [Soil] Time (US &	Sampled 09/26/23 11:00	HOLD				
[NO ANALYSES]						
T232845-54 SHS-43-0.5 [Soil] Time (US &						
6010 Title 22	10/04/23 15:00	5	03/24/24 10:25			
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:25			
T232845-55 SHS-43-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 10:30	HOLD				



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-56 SHS-43-3.0 [Soil] Time (US &	Sampled 09/26/23 10:35	5 (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-57 SHS-44-0.5 [Soil] Time (US &	Sampled 09/26/23 10:30			
6010 Title 22	10/04/23 15:00	5	03/24/24 10:30	
8015 Carbon Chain	10/02/23 15:00	3	10/10/23 10:30	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:30	
8082 PCB	10/04/23 15:00	5	10/10/23 10:30	
8260 5035	10/02/23 15:00	3	10/10/23 23:59	
8270C PAH SIM	10/04/23 15:00	5	10/10/23 10:30	
T232845-58 SHS-44-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 10:35	HOLD		
T232845-59 SHS-44-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 10:40) (GMT-08:00) Pacific	HOLD
T232845-60 SHS-45-0.5 [Soil] Time (US &	Sampled 09/26/23 10:10) (GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	03/24/24 10:10	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:10	
T232845-61 SHS-45-1.5 [Soil] Time (US &	Sampled 09/26/23 10:30	HOLD		
[NO ANALYSES] T232845-62 SHS-45-3.0 [Soil] Time (US &	Sampled 09/26/23 10:45	HOLD		
[NO ANALYSES]				
T232845-63 SHS-41-3.0 [Soil] Time (US &	Sampled 09/25/23 11:15	5 (GMT-08:00) Pacific	
[NO ANALYSES]				
Envirocheck, Inc. T232845-25 SHS-14-0.5 [Soil] Time (US &	-	5 (GMT-08:00) Pacific	
Misc. Subcontract (see notes)	10/04/23 15:00	5	03/24/24 11:55	Asbestos PLM



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Project: Sylmar High School PEA-E Project Number: 3000107

Analysis Due TAT Expires Comments

Envirocheck, Inc.

T232845-57 SHS-44-0.5 [Soil] Sampled 09/26/23 10:30 (GMT-08:00) Pacific

Time (US &

Misc. Subcontract (see notes) 10/04/23 15:00 5 03/24/24 10:30 Asbestos PLM

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By Date



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth **Project Manager:** Joann Marroquin

Project: Sylmar High School PEA-E **Project Number:** 3000107

Report To:

Clark Seif Clark - Chatsworth

Bill Clarke

21732 Devonshire Street, 2nd Floor

Chatsworth, CA 91311

Date Due: 10/10/23 00:00 (9 day TAT)

Received By: Travis Berner

Date Received: 09/27/23 10:47 Logged In By: Irma Vela Date Logged In: 09/28/23 09:26

Samples Received at:

4.4°C

Custody Seals No Received On Ice Yes

Containers Intact Yes COC/Labels Agree Yes Preservation Confirme

Analysis	Due	TAT	Expires	Comments	
T232845-01 SHS-02-0.5 [Soil] Sampled 09/26/23 08:30	(GMT-08:00) Pacific		
Time (US &					
6010 Title 22	10/04/23 15:00	5	10/01/23 08:30		
8081 Pesticides	10/04/23 15:00	5	10/10/23 08:30		
T232845-02 SHS-02-1.5 [Time (US & [NO ANALYSES]	Soil] Sampled 09/26/23 08:35	(GMT-08:00) Pacific	HOLD	
T232845-03 SHS-02-3.0 [Time (US &	Soil] Sampled 09/26/23 08:40	(GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T232845-04 SHS-03-0.5 [Time (US &	Soil] Sampled 09/26/23 09:10	(GMT-08:00) Pacific		
6010 Title 22	10/04/23 15:00	5	10/01/23 09:10		
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:10		
T232845-05 SHS-03-1.5 [Time (US & [NO ANALYSES]	Soil] Sampled 09/26/23 09:15	(GMT-08:00) Pacific	HOLD	
T232845-06 SHS-03-3.0 [Time (US & [NO ANALYSES]	Soil] Sampled 09/26/23 09:20	(GMT-08:00) Pacific	HOLD	



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-07 SHS-04-0.5 [Soil] S Time (US &	Sampled 09/26/23 09:30 ((GMT-08:00)	Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 09:30	
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:30	
T232845-08 SHS-04-1.5 [Soil] S	Sampled 09/26/23 09:35 ((GMT-08:00)	Pacific Pacific	
8081 Pesticides	10/10/23 15:00	5	10/10/23 09:35	
T232845-09 SHS-04-3.0 [Soil] S	Sampled 09/26/23 09:40 ((GMT-08:00)	Pacific	
8081 Pesticides	10/10/23 15:00	5	10/10/23 09:40	
T232845-10 SHS-05-0.5 [Soil] S Time (US &	Sampled 09/26/23 09:00 ((GMT-08:00)	Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 09:00	
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:00	
T232845-11 SHS-05-1.5 [Soil] S Time (US & [NO ANALYSES]	Sampled 09/26/23 09:05 ((GMT-08:00)	Pacific	HOLD
T232845-12 SHS-05-3.0 [Soil] S Time (US &	Sampled 09/26/23 09:10 ((GMT-08:00)	Pacific Pacific	HOLD
[NO ANALYSES] T232845-13 SHS-06-0.5 [Soil] S Time (US &	Sampled 09/26/23 08:25 ((GMT-08:00)	Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 08:25	
8081 Pesticides	10/04/23 15:00	5	10/10/23 08:25	
T232845-14 SHS-06-1.5 [Soil] S Time (US &	Sampled 09/26/23 08:30 ((GMT-08:00)	Pacific	HOLD
[NO ANALYSES]	•			
[NO ANALYSES] T232845-15 SHS-06-3.0 [Soil] S Time (US & [NO ANALYSES]		(GMT-08:00)	Pacific	HOLD
T232845-15 SHS-06-3.0 [Soil] S Time (US &	Sampled 09/26/23 08:35 (HOLD
T232845-15 SHS-06-3.0 [Soil] S Time (US & [NO ANALYSES] T232845-16 SHS-07-0.5 [Soil] S	Sampled 09/26/23 08:35 (HOLD



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-17 SHS-07-1.5 [Soil Time (US &	Sampled 09/26/23 08:15	GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-18 SHS-07-3.0 [Soil Time (US & [NO ANALYSES]	Sampled 09/26/23 08:20	(GMT-08:00)) Pacific	HOLD
T232845-19 SHS-08-0.5 [Soil Time (US &	Sampled 09/26/23 09:05	GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 09:05	
8081 Pesticides	10/04/23 15:00	5	10/10/23 09:05	
T232845-20 SHS-08-1.5 [Soil Time (US & [NO ANALYSES]	Sampled 09/26/23 09:10	(GMT-08:00)) Pacific	HOLD
T232845-21 SHS-08-3.0 [Soil Time (US &	l] Sampled 09/26/23 09:15	6 (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-22 SHS-13-0.5 [Soil Time (US &	[] Sampled 09/26/23 12:40	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 12:40	
8081 Pesticides	10/04/23 15:00	5	10/10/23 12:40	
T232845-23 SHS-13-1.5 [Soil Time (US & [NO ANALYSES]	l] Sampled 09/26/23 12:45	6 (GMT-08:00)) Pacific	HOLD
T232845-24 SHS-13-3.0 [Soil Time (US & [NO ANALYSES]	l] Sampled 09/26/23 12:50	(GMT-08:00)) Pacific	HOLD
T232845-25 SHS-14-0.5 [Soil Time (US &	Sampled 09/26/23 11:55	(GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 11:55	
8015 Carbon Chain	10/02/23 15:00	3	10/10/23 11:55	
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:55	
8082 PCB	10/04/23 15:00	5	10/10/23 11:55	
8260 5035	10/02/23 15:00	3	10/10/23 23:59	
8270C PAH SIM	10/04/23 15:00	5	10/10/23 11:55	

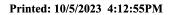


WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-26 SHS-14-1.5 [Soil] Time (US &	Sampled 09/26/23 12:00) (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-27 SHS-14-3.0 [Soil] Time (US &	Sampled 09/26/23 12:05	5 (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-28 SHS-15-0.5 [Soil] Time (US &	Sampled 09/26/23 13:3:	5 (GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 13:35	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:35	
T232845-29 SHS-15-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:40) (GMT-08:00)) Pacific	HOLD
T232845-30 SHS-15-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:4:	5 (GMT-08:00)) Pacific	HOLD
T232845-31 SHS-16-0.5 [Soil] Time (US &	Sampled 09/26/23 13:0:	5 (GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 13:05	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:05	
T232845-32 SHS-16-1.5 [Soil] Time (US &	Sampled 09/26/23 13:10) (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-33 SHS-16-3.0 [Soil] Time (US &	Sampled 09/26/23 13:1:	5 (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-34 SHS-30-0.5 [Soil] Time (US &	Sampled 09/26/23 13:55	5 (GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 13:55	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:55	
T232845-35 SHS-30-0.5D [Soit Time (US &	il] Sampled 09/26/23 13:	57 (GMT-08:	00) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 13:57	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:57	





WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-36 SHS-30-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 14:00	(GMT-08:00) Pacific	HOLD
T232845-37 SHS-30-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 14:05	(GMT-08:00) Pacific	HOLD
T232845-38 SHS-31-0.5 [Soil] Time (US &	Sampled 09/26/23 13:35	(GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 13:35	
8081 Pesticides	10/04/23 15:00	5	10/10/23 13:35	
T232845-39 SHS-31-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 13:45	(GMT-08:00) Pacific	HOLD
T232845-40 SHS-32-0.5 [Soil] Time (US &	Sampled 09/26/23 12:50	(GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 12:50	
8081 Pesticides	10/04/23 15:00	5	10/10/23 12:50	
T232845-41 SHS-32-1.5 [Soil] Time (US &	Sampled 09/26/23 12:55	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-42 SHS-32-3.0 [Soil] Time (US &	Sampled 09/26/23 13:00	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-43 SHS-39-0.5 [Soil] Time (US &	Sampled 09/26/23 11:30	(GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 11:30	
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:30	
T232845-44 SHS-39-1.5 [Soil] Time (US &	Sampled 09/26/23 11:35	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				
T232845-45 SHS-39-3.0 [Soil] Time (US &	Sampled 09/26/23 11:40	(GMT-08:00) Pacific	HOLD
[NO ANALYSES]				



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-46 SHS-40-0.5 [Soil] Time (US &	Sampled 09/26/23 11:20	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 11:20	
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:20	
T232845-47 SHS-40-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 11:25	(GMT-08:00)) Pacific	HOLD
T232845-48 SHS-40-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 11:30	(GMT-08:00)) Pacific	HOLD
T232845-49 SHS-41-0.5 [Soil] Time (US &	Sampled 09/26/23 11:05	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 11:05	
8081 Pesticides	10/04/23 15:00	5	10/10/23 11:05	
T232845-50 SHS-41-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 11:10	(GMT-08:00)) Pacific	HOLD
T232845-51 SHS-42-0.5 [Soil] Time (US &	Sampled 09/26/23 10:50	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 10:50	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:50	
T232845-52 SHS-42-1.5 [Soil] Time (US &	Sampled 09/26/23 10:55	(GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-53 SHS-42-3.0 [Soil] Time (US &	Sampled 09/26/23 11:00	(GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-54 SHS-43-0.5 [Soil] Time (US &	Sampled 09/26/23 10:25	(GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 10:25	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:25	
T232845-55 SHS-43-1.5 [Soil]	Sampled 09/26/23 10:30	(GMT-08:00)) Pacific	
6020 Metals by ICP-MS	10/10/23 15:00	5	01/24/24 10:30	As Only



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Analysis	Due	TAT	Expires	Comments
T232845-56 SHS-43-3.0 [Soil] Time (US &	Sampled 09/26/23 10:35	5 (GMT-08:00)) Pacific	HOLD
[NO ANALYSES]				
T232845-57 SHS-44-0.5 [Soil] Time (US &	Sampled 09/26/23 10:30) (GMT-08:00) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 10:30	
8015 Carbon Chain	10/02/23 15:00	3	10/10/23 10:30	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:30	
8082 PCB	10/04/23 15:00	5	10/10/23 10:30	
8260 5035	10/02/23 15:00	3	10/10/23 23:59	
8270C PAH SIM	10/04/23 15:00	5	10/10/23 10:30	
T232845-58 SHS-44-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 10:35	5 (GMT-08:00)) Pacific	HOLD
T232845-59 SHS-44-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 09/26/23 10:40) (GMT-08:00) Pacific	HOLD
T232845-60 SHS-45-0.5 [Soil] Time (US &	Sampled 09/26/23 10:10) (GMT-08:00)) Pacific	
6010 Title 22	10/04/23 15:00	5	10/01/23 10:10	
8081 Pesticides	10/04/23 15:00	5	10/10/23 10:10	
T232845-61 SHS-45-1.5 [Soil] Time (US &	Sampled 09/26/23 10:30) (GMT-08:00)) Pacific	HOLD
[NO ANALYSES] T232845-62 SHS-45-3.0 [Soil] Time (US &	Sampled 09/26/23 10:45	5 (GMT-08:00)) Pacific	HOLD
[NO ANALYSES] T232845-63 SHS-41-3.0 [Soil] Time (US &	Sampled 09/25/23 11:15	5 (GMT-08:00) Pacific	
[NO ANALYSES]				
Envirocheck, Inc. T232845-25 SHS-14-0.5 [Soil] Time (US &	Sampled 09/26/23 11:55	5 (GMT-08:00) Pacific	
Misc. Subcontract (see notes)	10/04/23 15:00	5	03/24/24 11:55	Asbestos PLM



WORK ORDER

T232845

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin

Project: Sylmar High School PEA-E Project Number: 3000107

Analysis Due TAT Expires Comments

Envirocheck, Inc.

T232845-57 SHS-44-0.5 [Soil] Sampled 09/26/23 10:30 (GMT-08:00) Pacific

Time (US &

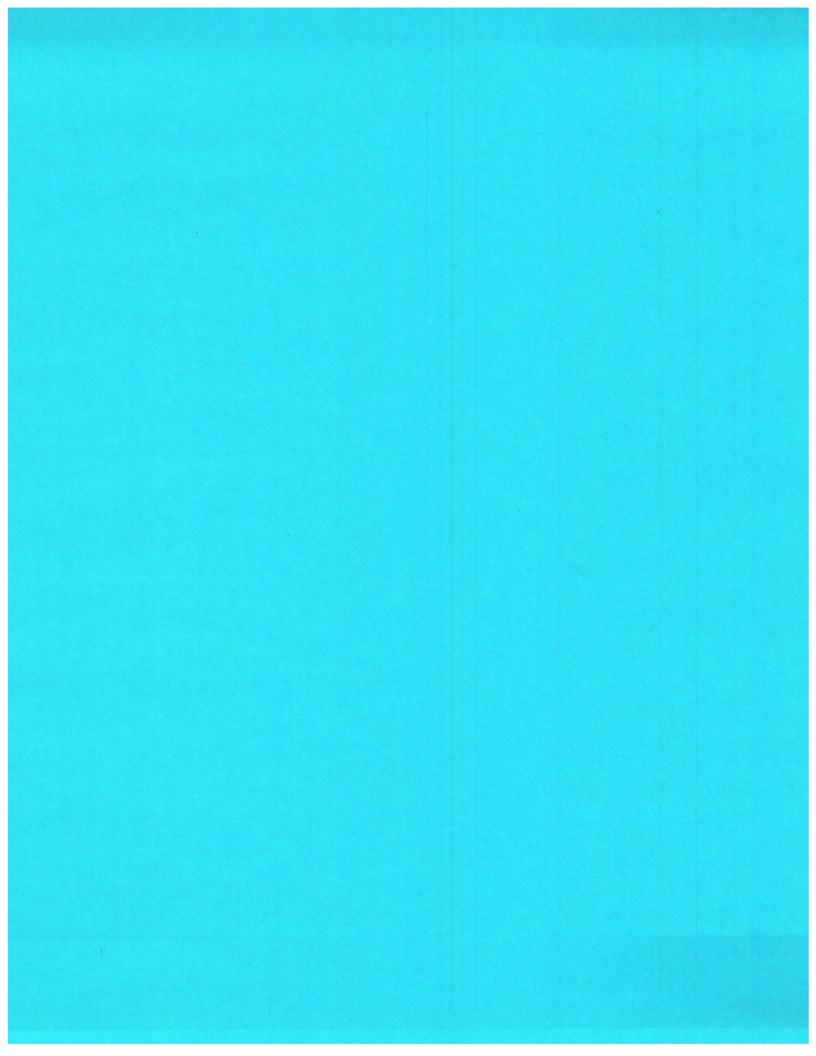
Misc. Subcontract (see notes) 10/04/23 15:00 5 03/24/24 10:30 Asbestos PLM

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By Date Page 46 of







16 November 2023

Bill Clarke
Clark Seif Clark - Chatsworth
21732 Devonshire Street, 2nd Floor
Chatsworth, CA 91311

RE: Sylmar High School PEA-E

Joann Marroquin

Enclosed are the results of analyses for samples received by the laboratory on 11/10/23 16:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joann Marroquin

Director of Operations



Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SHS-26-0.5	T233373-01	Soil	11/10/23 07:50	11/10/23 16:45
SHS-27-0.5	T233373-04	Soil	11/10/23 08:15	11/10/23 16:45
SHS-28-0.5	T233373-07	Soil	11/10/23 08:50	11/10/23 16:45
SHS-29-0.5	T233373-10	Soil	11/10/23 09:30	11/10/23 16:45
SHS-46-0.5	T233373-13	Soil	11/10/23 10:20	11/10/23 16:45
SHS-47-0.5	T233373-16	Soil	11/10/23 11:00	11/10/23 16:45
SHS-48-0.5	T233373-19	Soil	11/10/23 11:45	11/10/23 16:45

SunStar Laboratories, Inc.

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



Clark Seif Clark - Chatsworth

Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Chatsworth CA, 91311 Project Number: 300P107 Task 3 Project Manager: Bill Clarke **Reported:** 11/16/23 16:46

DETECTIONS SUMMARY

Sample 1D:	Sample ID: SHS-26-0.5		tory ID:	T233373-01		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Arsenic		6.0	2.0	mg/kg	EPA 6010b	
Barium		68	1.0	mg/kg	EPA 6010b	
Chromium		8.7	2.0	mg/kg	EPA 6010b	
Cobalt		5.2	2.0	mg/kg	EPA 6010b	
Copper		16	1.0	mg/kg	EPA 6010b	
Lead		13	3.0	mg/kg	EPA 6010b	
Nickel		11	2.0	mg/kg	EPA 6010b	
Vanadium		25	5.0	mg/kg	EPA 6010b	
Zinc		91	1.0	mg/kg	EPA 6010b	
Sample ID:	SHS-27-0.5	Labora	tory ID:	T233373-04		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Arsenic		2.5	2.0	mg/kg	EPA 6010b	
Barium		74	1.0	mg/kg	EPA 6010b	
Chromium		7.8	2.0	mg/kg	EPA 6010b	
Cobalt		5.6	2.0	mg/kg	EPA 6010b	
Copper		16	1.0	mg/kg	EPA 6010b	
Lead		11	3.0	mg/kg	EPA 6010b	
Nickel		9.5	2.0	mg/kg	EPA 6010b	
Vanadium		23	5.0	mg/kg	EPA 6010b	
Zinc		53	1.0	mg/kg	EPA 6010b	
Dieldrin		83	5.0	ug/kg	EPA 8081A	
Sample ID:	SHS-28-0.5	Labora	tory ID:	T233373-07		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Barium		78	1.0	mg/kg	EPA 6010b	
Chromium		8.4	2.0	mg/kg	EPA 6010b	
Cobalt		6.3	2.0	mg/kg	EPA 6010b	
		16	1.0	mg/kg	EPA 6010b	

SunStar Laboratories, Inc.

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



Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

Sample ID:	SHS-28-0.5	Laborat	Laboratory ID:			
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Lead		12	3.0	mg/kg	EPA 6010b	
Nickel		8.6	2.0	mg/kg	EPA 6010b	
Vanadium		25	5.0	mg/kg	EPA 6010b	
Zinc		46	1.0	mg/kg	EPA 6010b	
Sample ID:	SHS-29-0.5	Laborat	tory ID:	T233373-10		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Arsenic		2.3	2.0	mg/kg	EPA 6010b	
Barium		120	1.0	mg/kg	EPA 6010b	
Chromium		12	2.0	mg/kg	EPA 6010b	
Cobalt		9.3	2.0	mg/kg	EPA 6010b	
Copper		19	1.0	mg/kg	EPA 6010b	
Lead		12	3.0	mg/kg	EPA 6010b	
Nickel		14	2.0	mg/kg	EPA 6010b	
Vanadium		39	5.0	mg/kg	EPA 6010b	
Zinc		61	1.0	mg/kg	EPA 6010b	
Sample ID:	SHS-46-0.5	Laborat	tory ID:	T233373-13		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
Dieldrin		120	5.0	ug/kg	EPA 8081A	
Sample ID:	SHS-47-0.5	Laborat	tory ID:	T233373-16		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes
4,4′-DDE		53	50	ug/kg	EPA 8081A	R-07
Dieldrin		230	50	ug/kg	EPA 8081A	R-07
Sample ID:	SHS-48-0.5	Laborat	tory ID:	T233373-19		
			Reporting			
Analyte		Result	Limit	Units	Method	Notes

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

SHS-26-0.5 T233373-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23K0258	11/13/23	11/15/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	6.0	2.0	"	"	"	"	"	"	
Barium	68	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	8.7	2.0	"	"	"	"	"	"	
Cobalt	5.2	2.0	"	"	"	"	"	"	
Copper	16	1.0	"	"	"	"	"	"	
Lead	13	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	11	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	25	5.0	"	"	"	"	"	"	
Zinc	91	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23K0259	11/13/23	11/16/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method	I 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23K0257	11/13/23	11/14/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

SHS-26-0.5 T233373-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aboratori	es, Inc.					
Organochlorine Pesticides by EPA M	Iethod 8081A								
Dieldrin	ND	5.0	ug/kg	1	23K0257	11/13/23	11/14/23	EPA 8081A	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		67.1 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		25.8 %	35-	140	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

SHS-27-0.5 T233373-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23K0258	11/13/23	11/15/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	2.5	2.0	"	"	"	"	"	"	
Barium	74	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	11/15/23	"	
Cadmium	ND	2.0	"	"	"	"	11/15/23	"	
Chromium	7.8	2.0	"	"	"	"	"	"	
Cobalt	5.6	2.0	"	"	"	"	"	"	
Copper	16	1.0	"	"	"	"	"	"	
Lead	11	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	9.5	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	23	5.0	"	"	"	"	"	"	
Zinc	53	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23K0259	11/13/23	11/16/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Met	thod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23K0257	11/13/23	11/14/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	,,	
4,4'-DDE	ND	5.0	"	"	"	"	"	,,	
Dieldrin	83	5.0	"	,,	"	"	"	,,	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

SHS-27-0.5 T233373-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Analyte	Result	Limit	Units	Dilution	Datcii	rrepared	Anaryzeu	Method	Notes
		SunStar L	aboratorio	es, Inc.					
Organochlorine Pesticides by EPA Method 8	081A								
Endrin	ND	5.0	ug/kg	1	23K0257	11/13/23	11/14/23	EPA 8081A	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		66.0 %	35-1	40	"	"	"	"	
Surrogate: Decachlorobiphenyl		27.7 %	35-1	40	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

SHS-28-0.5 T233373-07 (Soil)

	Reporting							
Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	SunStar L	aboratori	es, Inc.					
ND	4.0	mg/kg	1	23K0258	11/13/23	11/15/23	EPA 6010b	
ND	2.0	"	"	"	"	"	"	
ND	2.0	"	"	"	"	"	"	
78	1.0	"	"	"	"	"	"	
ND	1.0	"	"	"	"	"	"	
ND	2.0	"	"	"	"	"	"	
8.4	2.0	"	"	"	"	"	"	
6.3	2.0	"	"	"	"	"	"	
16	1.0	"	"	"	"	"	"	
12	3.0	"	"	"	"	"	"	
ND	5.0	"	"	"	"	"	"	
8.6	2.0	"	"	"	"	"	"	
ND	5.0	"	"	"	"	"	"	
ND	5.0	"	"	"	"	"	"	
25	5.0	"	"	"	"	"	"	
46	1.0	"	"	"	"	"	"	
ND	0.10	mg/kg	1	23K0259	11/13/23	11/16/23	EPA 7471A Soil	
8081A								
ND	5.0	ug/kg	1	23K0257	11/13/23	11/14/23	EPA 8081A	
ND	5.0	"	"	"	"	"	"	
ND	5.0	"	"	"	"	"	"	
ND	5.0	"	"	"	"	"	"	
ND	5.0	"	"	"	"	"	"	
		"	"	"	"	"	"	
	5.0	"	"	"	"	"	"	
		"	"	"	"	"	"	
		"	"	"	"	"	"	
		"	,,	,,	"	"	"	
		"	,,	"	"	"	"	
ND	5.0	"	,,	"	,,	"	"	
	ND ND ND 78 ND ND 8.4 6.3 16 12 ND 8.6 ND ND 25 46 ND ND 25 46 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND	ND 4.0 mg/kg ND 2.0 " ND 2.0 " ND 1.0 " ND 2.0 " ND 3.0 " ND 5.0 " ND 5.0 " ND 5.0 " ND 5.0 " ND 5.0 " ND 5.0 " ND 5.0 " ND 5.0 " ND 5.0 " ND 5.0 " ND 5.0 " ND 5.0 " ND 5.0 "	ND	ND	ND	ND	ND

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

SHS-28-0.5 T233373-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Me	ethod 8081A								
Endrin	ND	5.0	ug/kg	1	23K0257	11/13/23	11/14/23	EPA 8081A	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		76.8 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		34.0 %	35-	140	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

SHS-29-0.5 T233373-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	23K0258	11/13/23	11/15/23	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	2.3	2.0	"	"	"	"	"	"	
Barium	120	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	12	2.0	"	"	"	"	"	"	
Cobalt	9.3	2.0	"	"	"	"	"	"	
Copper	19	1.0	"	"	"	"	"	"	
Lead	12	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	14	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	39	5.0	"	"	"	"	"	"	
Zinc	61	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	23K0259	11/13/23	11/16/23	EPA 7471A Soil	
Organochlorine Pesticides by EPA Met	hod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23K0257	11/13/23	11/14/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	,,	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	,,	,,	,,	,,	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

SHS-29-0.5 T233373-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA M	ethod 8081A								
Endrin	ND	5.0	ug/kg	1	23K0257	11/13/23	11/14/23	EPA 8081A	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		75.5 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		49.8 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

SHS-46-0.5 T233373-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Sı	unStar L	aboratorio	es, Inc.					
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	23K0257	11/13/23	11/14/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	120	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		69.7 %	35-1	40	"	"	"	"	
Surrogate: Decachlorobiphenyl		34.4 %	35-1	40	"	"	"	"	S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

SHS-47-0.5 T233373-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Me	ethod 8081A								
alpha-BHC	ND	50	ug/kg	10	23K0257	11/13/23	11/14/23	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	R-07
beta-BHC	ND	50	"	"	"	"	"	"	R-07
delta-BHC	ND	50	"	"	"	"	"	"	R-07
Heptachlor	ND	50	"	"	"	"	"	"	R-07
Aldrin	ND	50	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	50	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	50	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	50	"	"	"	"	"	"	R-07
Endosulfan I	ND	50	"	"	"	"	"	"	R-07
4,4'-DDE	53	50	"	"	"	"	"	"	R-07
Dieldrin	230	50	"	"	"	"	"	"	R-07
Endrin	ND	50	"	"	"	"	"	"	R-07
4,4′-DDD	ND	50	"	"	"	"	"	"	R-07
Endosulfan II	ND	50	"	"	"	"	"	"	R-07
4,4'-DDT	ND	50	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	50	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	50	"	"	"	"	"	"	R-07
Methoxychlor	ND	50	"	"	"	"	"	"	R-07
Endrin ketone	ND	50	"	"	"	"	"	"	R-07
Toxaphene	ND	200	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		58.4 %	35-	140	"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		17.1 %	35-	140	"	"	"	"	R-07, S-GC

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

SHS-48-0.5 T233373-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Me	thod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23K0257	11/13/23	11/14/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	66	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		69.4 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		34.4 %	35-	140	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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



Clark Seif Clark - Chatsworth

Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Chatsworth CA, 91311 Project Number: 300P107 Task 3
Project Manager: Bill Clarke

Reported: 11/16/23 16:46

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

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

Blank (23K0258-BLK1)				Prepared:	11/13/23 Aı	nalyzed: 11	/15/23	
Antimony	ND	4.0	mg/kg					
Silver	ND	2.0	"					
Arsenic	ND	2.0	"					
Barium	ND	1.0	"					
Beryllium	ND	1.0	"					
Cadmium	ND	2.0	"					
Chromium	ND	2.0	"					
Cobalt	ND	2.0	"					
Copper	ND	1.0	"					
Lead	ND	3.0	"					
Molybdenum	ND	5.0	"					
Nickel	ND	2.0	"					
Selenium	ND	5.0	"					
Thallium	ND	5.0	"					
Vanadium	ND	5.0	"					
Zinc	ND	1.0	"					
LCS (23K0258-BS1)				Prepared:	11/13/23 Aı	nalyzed: 11	/15/23	
Arsenic	82.4	2.0	mg/kg	100		82.4	75-125	
Barium	84.1	1.0	"	100		84.1	75-125	
Cadmium	86.2	2.0	"	100		86.2	75-125	
Chromium	83.5	2.0	"	100		83.5	75-125	
Lead	83.6	3.0	"	100		83.6	75-125	
Matrix Spike (23K0258-MS1)	So	urce: T233373-	01	Prepared:	11/13/23 Aı	nalyzed: 11	/15/23	
Arsenic	60.0	2.0	mg/kg	100	5.99	54.0	75-125	QM-0:
Barium	138	1.0	"	100	68.5	69.2	75-125	QM-0:
Cadmium	57.1	2.0	"	100	0.966	56.1	75-125	QM-0:
Chromium	63.2	2.0	"	100	8.72	54.5	75-125	QM-0:
Lead	68.3	3.0	"	100	13.4	54.9	75-125	QM-0:

SunStar Laboratories, Inc.

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RPD

%REC

Clark Seif Clark - Chatsworth

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

Reporting

Metals by EPA 6010B - Quality Control

Project: Sylmar High School PEA-E

Spike

Source

SunStar Laboratories, Inc.

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 23K0258 - EPA 3050B										
Matrix Spike Dup (23K0258-MSD1)	Sourc	e: T233373-	-01	Prepared:	11/13/23 A	nalyzed: 11	/15/23			
Arsenic	61.3	2.0	mg/kg	100	5.99	55.3	75-125	2.09	20	QM-05
Barium	129	1.0	"	100	68.5	60.7	75-125	6.38	20	QM-05
Cadmium	60.2	2.0	"	100	0.966	59.2	75-125	5.25	20	QM-05
Chromium	63.2	2.0	"	100	8.72	54.5	75-125	0.0125	20	QM-05
Lead	71.7	3.0	"	100	13.4	58.3	75-125	4.85	20	QM-05

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth

Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Chatsworth CA, 91311 Project Number: 300P107 Task 3 Project Manager: Bill Clarke **Reported:** 11/16/23 16:46

Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 23K0259 - EPA 7471A Soil										
Blank (23K0259-BLK1)				Prepared: 1	1/13/23 A	nalyzed: 11	/16/23			
Mercury	ND	0.10	mg/kg							
LCS (23K0259-BS1)				Prepared: 1	1/13/23 A	nalyzed: 11	/16/23			
Mercury	0.340	0.10	mg/kg	0.410		82.9	80-120		-	
Matrix Spike (23K0259-MS1)	Sour	rce: T233373-	01	Prepared: 11/13/23 Analyzed: 11/16/23						
Mercury	0.347	0.10	mg/kg	0.397	ND	87.5	80-120			
Matrix Spike Dup (23K0259-MSD1)	Prepared: 11/13/23 Analyzed: 11/16/23									
Mercury	0.379	0.10	mg/kg	0.417	ND	91.0	80-120	8.78	20	

SunStar Laboratories, Inc.

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RPD

%REC

Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

Reporting

$Organochlorine\ Pesticides\ by\ EPA\ Method\ 8081A-Quality\ Control$

SunStar Laboratories, Inc.

Spike

Source

A . 1 .		Reporting	** **	Spike	Source	0/15:50	70KEC	DES	KPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Note
Batch 23K0257 - EPA 3550C ECD/G0	CMS									
Blank (23K0257-BLK1)				Prepared: 1	11/13/23 A1	nalyzed: 11/	14/23			
alpha-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	"							
beta-BHC	ND	5.0	"							
delta-BHC	ND	5.0	"							
Heptachlor	ND	5.0	"							
Aldrin	ND	5.0	"							
Heptachlor epoxide	ND	5.0	"							
gamma-Chlordane	ND	5.0	"							
alpha-Chlordane	ND	5.0	"							
Endosulfan I	ND	5.0	"							
1,4′-DDE	ND	5.0	"							
Dieldrin	ND	5.0	"							
Endrin	ND	5.0	"							
4,4′-DDD	ND	5.0	"							
Endosulfan II	ND	5.0	"							
4,4´-DDT	ND	5.0	"							
Endrin aldehyde	ND	5.0	"							
Endosulfan sulfate	ND	5.0	"							
Methoxychlor	ND	5.0	"							
Endrin ketone	ND	5.0	"							
Гохарhene	ND	20	"							
Surrogate: Tetrachloro-meta-xylene	7.12		"	10.0		71.2	35-140			
Surrogate: Decachlorobiphenyl	3.93		"	10.0		39.3	35-140			
LCS (23K0257-BS1)				Prepared: 1	11/13/23 Aı	nalyzed: 11/	14/23			
gamma-BHC (Lindane)	33.5	5.0	ug/kg	40.4		82.9	40-120			
Heptachlor	36.1	5.0	"	40.0		90.4	40-120			
Aldrin	31.9	5.0	"	40.0		79.7	40-120			
Dieldrin	36.1	5.0	"	40.2		89.9	40-120			
Endrin	38.3	5.0	"	40.2		95.3	40-120			
4,4′-DDT	40.8	5.0	"	40.4		101	33-147			
Surrogate: Tetrachloro-meta-xylene	6.64		"	10.0		66.4	35-140			
Surrogate: Decachlorobiphenyl	3.88		"	10.0		38.8	35-140			

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

Organochlorine Pesticides by EPA Method 8081A - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 23K0257 - EPA 3550C ECD/GCMS										
LCS Dup (23K0257-BSD1)				Prepared:	11/13/23 A	nalyzed: 11	/14/23			
gamma-BHC (Lindane)	33.2	5.0	ug/kg	40.4		82.1	40-120	0.888	30	
Heptachlor	35.9	5.0	"	40.0		89.7	40-120	0.768	30	
Aldrin	31.1	5.0	"	40.0		77.6	40-120	2.58	30	
Dieldrin	34.9	5.0	"	40.2		86.8	40-120	3.48	30	
Endrin	37.0	5.0	"	40.2		92.0	40-120	3.57	30	
4,4'-DDT	39.4	5.0	"	40.4		97.6	33-147	3.38	30	
Surrogate: Tetrachloro-meta-xylene	6.39		"	10.0		63.9	35-140			
Surrogate: Decachlorobiphenyl	3.67		"	10.0		36.7	35-140			

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/16/23 16:46

Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

R-07 Reporting limit for this compound(s) has been raised to account for dilution necessary due to high levels of interfering compound(s)

and/or matrix affect.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within

acceptance criteria. The data is acceptable as no negative impact on data is expected.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.

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

Chain of Custody Record

25712 Commercentre Drive, Lake Forest, CA 92630 PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE 949-297-5020

client: Clark Seit Clark, Inc. Project Manager: Bill Clarke Phone: 818-727-2553 Address: P.O. Box 4299, chatsworth abctarke e cuceng.com 9/3/3

> Date: 11-10-23 of 0

Batch #: Project Name: Siglmer HS
Collector: Bill Clarke T233373 EDF #: Client Project #: 300 P107 Task 3

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Chain of Custody Record

25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020 PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Batch #: TC3 33 73 Client Project Received good condition/cold Collector: 8://Carbon Chain 8015M (gasoline) 8015M (gasoline) 8015M Ext./Carbon Chain 8015M Ext./Carbon Chain 8010/7000 Title 22 Metals 6020 ICP-MS Metals X8081 A DCPs Total # of containers X8081 A DCPs	P		101	1	-		-	H	A	+	\mathbb{H}	+		H	+				- 3		
Batch #: TC3 33 73 Client Project Received good condition/cold Collector: 8://Carbon Chain 8015M (gasoline) 8015M (gasoline) 8015M Ext./Carbon Chain 8015M Ext./Carbon Chain 8010/7000 Title 22 Metals 6020 ICP-MS Metals X8081 A DCPs Total # of containers X8081 A DCPs	ickup	,	2 2 3	D	05	<u>-</u>	H	+	+1	+	+	+	\vdash		\dashv	-					
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Received good condition/cold 8015M Ext./Carbon Chain 6010/7000 Title 22 Metals 6020 ICP-MS Metals 8081 A DCPs EDF #: #0 #0 Client Projection Containers #0 Lack Client Projection Condition/cold Lack Client Projection Containers EDF #: EDF #: #0 #0 #0 #0 #0 #0 #0 #0 #0		,	15	w	20	-	+	+	+	+	\forall	+	H		\forall				#	tor	NA
Client Projective good condition/cold 1.82		1		Ħ						#	#	t	T						7 1	R	ī
Client Proje EDF #: #01 #02		3	Rece		nain o					11	1	1							1 1/ 1/17	3	(
Client Proje EDF #: #01 #02	0	Ó	ived	S	of Cu	_				11	1							6010/7000 Title 22 Metals	3	20	7
Client Proje EDF #: #01 #02	-	dim	good	eals	stody	0				1	1							6020 ICP-MS Metals	3	33	A Vent
Client Proje EDF #: #01 #02	1	Ď.	con	intac	sea	# of					1			X			X	8081 A OCPS	Ü	1	V
Client Proje EDF #: #01 #02			dition	14 21	IX SI	onta														-	-
Client Proje EDF #: #01 #02			/cold	S	3	iners														1	V
			_	-					1	11	1								ED	Clie	Ī
	Г		100		100	+		+	+	+	11	-	H		#	4			#	nt P	7
omments/Preservati											111	10	0/0		0/0	0/0		0		rojec	1
aoa o Io T													1			1		omm		# 12	
Preservati Notes																		ents/		300	
is ervatt						Vote												Pres		OF	
						S												ervati		0	

Total # of containers



SAMPLE RECEIVING REVIEW SHEET

Temperature: Cooler #1 , 5 °C +/- the CF (+ 0.3°C) = , 6 °C correct Temperature: Cooler #2 °C +/- the CF (+ 0.3°C) = °C correct Temperature: Cooler #3 °C +/- the CF (+ 0.3°C) = °C correct Temperature criteria = ≤ 6°C (no frozen containers) If NO: Samples received on ice?	1 11 - 2 - 1
If Courier, Received by: Lab Received by: Total number of coolers received: Total number of coolers received: Total number of coolers received: Thermometer ID: SC-1 Calib Temperature: Cooler #1 5 °C +/- the CF (+ 0.3°C) = 6 °C correct Temperature: Cooler #2 °C +/- the CF (+ 0.3°C) = °C correct Temperature: Cooler #3 °C +/- the CF (+ 0.3°C) = °C correct Temperature: Cooler #3 °C +/- the CF (+ 0.3°C) = °C correct Temperature criteria = ≤ 6°C (no frozen containers) If NO: Samples received on ice? If on ice, samples received same day collected? Custody seals intact on cooler/sample Sample containers intact Sample labels match Chain of Custody IDs Total number of containers received match COC Proper containers received for analyses requested on COC Proper preservative indicated on COC/containers for analyses requested Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified Yes	lmar HS PEA-E
Lab Received by: Cavis Cavis Cavis Calib C	Other
Total number of coolers received: Total number of coolers received: Thermometer ID: SC-1 Calib Temperature: Cooler #1	11-10-23 13:2
Temperature: Cooler #1 , 5 °C +/- the CF (+ 0.3°C) = , 4 °C correct Temperature: Cooler #2 °C +/- the CF (+ 0.3°C) = °C correct Temperature: Cooler #3 °C +/- the CF (+ 0.3°C) = °C correct Temperature criteria = ≤ 6°C (no frozen containers) If NO: Samples received on ice?	11-10-23 16.45
Temperature: Cooler #2 °C +/- the CF (+ 0.3°C) = °C correct Temperature: Cooler #3 °C +/- the CF (+ 0.3°C) = °C correct Temperature criteria = ≤ 6°C (no frozen containers) If NO: Samples received on ice? If on ice, samples received same day collected? Custody seals intact on cooler/sample Sample containers intact Custody seals intact on cooler/sample Sample labels match Chain of Custody IDs Total number of containers received match COC Proper containers received for analyses requested on COC Proper preservative indicated on COC/containers for analyses requested Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified Yes	ration due : <u>8/2/24</u>
Temperature: Cooler #3 °C +/- the CF (+ 0.3°C) = °C correct Temperature criteria = ≤ 6°C (no frozen containers) If NO: Samples received on ice? If on ice, samples received same day collected? Custody seals intact on cooler/sample Sample containers intact Sample labels match Chain of Custody IDs Total number of containers received match COC Proper containers received for analyses requested on COC Proper preservative indicated on COC/containers for analyses requested Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified Yes	ed temperature
Temperature criteria = ≤ 6°C (no frozen containers) If NO: Samples received on ice?	ed temperature
If NO: Samples received on ice? If on ice, samples received same day collected? Custody seals intact on cooler/sample Sample containers intact Sample labels match Chain of Custody IDs Total number of containers received match COC Proper containers received for analyses requested on COC Proper preservative indicated on COC/containers for analyses requested Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified Within criteria? INo → Complete No → Complete No → Complete Ves Ves Yes	ed temperature
Samples received on ice?	□No □N/A
Sample containers intact Sample labels match Chain of Custody IDs Total number of containers received match COC Proper containers received for analyses requested on COC Proper preservative indicated on COC/containers for analyses requested Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified Yes Yes	Non-Conformance Sheet
Sample labels match Chain of Custody IDs Total number of containers received match COC Proper containers received for analyses requested on COC Proper preservative indicated on COC/containers for analyses requested Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified Yes Yes	□No* ☑N/A
Total number of containers received match COC Proper containers received for analyses requested on COC Proper preservative indicated on COC/containers for analyses requested Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified Yes Yes	□No*
Proper containers received for analyses requested on COC Proper preservative indicated on COC/containers for analyses requested Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified Yes Yes	□No*
Proper preservative indicated on COC/containers for analyses requested Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified Yes	□No*
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified Yes	□No*
containers, labels, volumes preservatives and within method specified Yes	□No* ☑N/A
nothing times	□No*
* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials	and date: TB 11-10-23
Comments:	

Printed: 11/13/2023 9:47:54AM



WORK ORDER

T233373

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin
Project: Sylmar High School PEA-E Project Number: 300P107 Task 3

Report To:

Clark Seif Clark - Chatsworth

Bill Clarke

21732 Devonshire Street, 2nd Floor

Chatsworth, CA 91311

Date Due: 11/20/23 17:00 (5 day TAT)

Received By: Paul Berner Date Received: 11/10/23 16:45 Logged In By: Irma Vela Date Logged In: 11/13/23 09:32

Samples Received at: 1.8°C

Custody Seals No Received On Ice Yes

Containers Intact Yes
COC/Labels Agree Yes
Preservation Confiri No

Analysis	Due	TAT	Expires	Comments	
T233373-01 SHS-26-0. Time (US &	5 [Soil] Sampled 11/10/23	07:50 (GM	IT-08:00) Pacific		
6010 Title 22	11/20/23 15:00	5	05/08/24 07:50		
8081 Pesticides	11/20/23 15:00	5	11/24/23 07:50		
T233373-02 SHS-26-1. Time (US & [NO ANALYSES]	5 [Soil] Sampled 11/10/23	07:55 (GM	IT-08:00) Pacific	HOLD	
T222772 02 CHC 26 2	[Soil] Sampled 11/10/23 08	8:00 (GMT	-08:00) Pacific Tin	e HOLD	
12333/3-03 505-20-3			,		
(US &	[Soil] Sumpled 11/10/20 00				
	[Son] Sumpled 11/10/20 O	· ·			
(US & [NO ANALYSES]	5 [Soil] Sampled 11/10/23	08:15 (GM	IT-08:00) Pacific		
(US & [NO ANALYSES] T233373-04 SHS-27-0.		08:15 (G M	IT-08:00) Pacific 05/08/24 08:15		
(US & [NO ANALYSES] T233373-04 SHS-27-0. Time (US &	5 [Soil] Sampled 11/10/23	`	,		
(US & [NO ANALYSES] T233373-04 SHS-27-0. Time (US & 6010 Title 22 8081 Pesticides	5 [Soil] Sampled 11/10/23 11/20/23 15:00	5	05/08/24 08:15 11/24/23 08:15	HOLD	
(US & [NO ANALYSES] T233373-04 SHS-27-0. Time (US & 6010 Title 22 8081 Pesticides T233373-05 SHS-27-1.	5 [Soil] Sampled 11/10/23 11/20/23 15:00 11/20/23 15:00	5	05/08/24 08:15 11/24/23 08:15	HOLD	
(US & [NO ANALYSES] T233373-04 SHS-27-0. Time (US & 6010 Title 22 8081 Pesticides T233373-05 SHS-27-1. Time (US & [NO ANALYSES]	5 [Soil] Sampled 11/10/23 11/20/23 15:00 11/20/23 15:00	5 5 08:20 (G M	05/08/24 08:15 11/24/23 08:15 IT-08:00) Pacific		

Printed: 11/13/2023 9:47:54AM

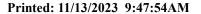


WORK ORDER

T233373

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin
Project: Sylmar High School PEA-E Project Number: 300P107 Task 3

Analysis	Due	TAT	Expires	Comments
T233373-07 SHS-28-0.5 [Soil Time (US &	Sampled 11/10/23	08:50 (GM	T-08:00) Pacific	
6010 Title 22	11/20/23 15:00	5	05/08/24 08:50	
8081 Pesticides	11/20/23 15:00	5	11/24/23 08:50	
T233373-08 SHS-28-1.5 [Soil Time (US & [NO ANALYSES]	Sampled 11/10/23	08:55 (GM	T-08:00) Pacific	HOLD
T233373-09 SHS-28-3 [Soil] (US & [NO ANALYSES]	Sampled 11/10/23 09	9:10 (GMT	-08:00) Pacific Tim	ne HOLD
T233373-10 SHS-29-0.5 [Soil Time (US &	Sampled 11/10/23	09:30 (GM	T-08:00) Pacific	
6010 Title 22	11/20/23 15:00	5	05/08/24 09:30	
8081 Pesticides	11/20/23 15:00	5	11/24/23 09:30	
T233373-11 SHS-29-1.5 [Soil Time (US & [NO ANALYSES]] Sampled 11/10/23	09:35 (GM	T-08:00) Pacific	HOLD
T233373-12 SHS-29-2.5 [Soil Time (US & [NO ANALYSES]	Sampled 11/10/23	09:40 (GM	T-08:00) Pacific	HOLD
T233373-13 SHS-46-0.5 [Soil Time (US &	Sampled 11/10/23	10:20 (GM	T-08:00) Pacific	
8081 Pesticides	11/20/23 15:00	5	11/24/23 10:20	
T233373-14 SHS-46-1.5 [Soil Time (US & [NO ANALYSES]	Sampled 11/10/23	10:25 (GM	T-08:00) Pacific	HOLD
T233373-15 SHS-46-3 [Soil] (US &	Sampled 11/10/23 10	0:30 (GMT	-08:00) Pacific Tim	ne HOLD
[NO ANALYSES] T233373-16 SHS-47-0.5 [Soil Time (US &	Sampled 11/10/23	11:00 (GM	T-08:00) Pacific	
8081 Pesticides	11/20/23 15:00	5	11/24/23 11:00	





T233373

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin
Project: Sylmar High School PEA-E Project Number: 300P107 Task 3

Analysis Due TAT **Expires Comments** T233373-17 SHS-47-0.5 [Soil] Sampled 11/10/23 11:05 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES] T233373-18 SHS-47-0.5 [Soil] Sampled 11/10/23 11:10 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES] T233373-19 SHS-48-0.5 [Soil] Sampled 11/10/23 11:45 (GMT-08:00) Pacific Time (US & 8081 Pesticides 11/20/23 15:00 11/24/23 11:45 T233373-20 SHS-48-0.5 [Soil] Sampled 11/10/23 11:50 (GMT-08:00) Pacific **HOLD** Time (US & [NO ANALYSES] T233373-21 SHS-48-0.5 [Soil] Sampled 11/10/23 11:55 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES]

Analysis groups included in this work order

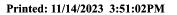
6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By

Date

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T233373

Client:Clark Seif Clark - ChatsworthProject Manager:Joann MarroquinProject:Sylmar High School PEA-EProject Number:300P107 Task 3

Report To:

Clark Seif Clark - Chatsworth

Bill Clarke

21732 Devonshire Street, 2nd Floor

Chatsworth, CA 91311

Date Due: 11/20/23 17:00 (5 day TAT)

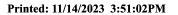
Received By: Paul Berner Date Received: 11/10/23 16:45 Logged In By: Irma Vela Date Logged In: 11/13/23 09:32

Samples Received at: 1.8°C

Custody Seals No Received On Ice Yes

Containers Intact Yes
COC/Labels Agree Yes
Preservation Confirme No

Analysis	Due	TAT	Expires	Comments
T233373-01 SHS-26-0.5 [Time (US &	Soil] Sampled 11/10/23 07:50	(GMT-08:00) Pacific	
6010 Title 22	11/20/23 15:00	5	05/08/24 07:50	
8081 Pesticides	11/20/23 15:00	5	11/24/23 07:50	
T233373-02 SHS-26-1.5 [Time (US & [NO ANALYSES]	Soil] Sampled 11/10/23 07:55	(GMT-08:00) Pacific	HOLD
T233373-03 SHS-26-3.0 [Time (US & [NO ANALYSES]	Soil] Sampled 11/10/23 08:00	(GMT-08:00) Pacific	HOLD
-	Soil] Sampled 11/10/23 08:15	(GMT-08:00) Pacific	
6010 Title 22	11/20/23 15:00	5	05/08/24 08:15	
8081 Pesticides	11/20/23 15:00	5	11/24/23 08:15	
T233373-05 SHS-27-1.5 [Time (US & [NO ANALYSES]	Soil] Sampled 11/10/23 08:20	(GMT-08:00) Pacific	HOLD
T233373-06 SHS-27-3.0 [Time (US & [NO ANALYSES]	Soil] Sampled 11/10/23 08:25	(GMT-08:00) Pacific	HOLD

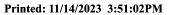




T233373

Client:Clark Seif Clark - ChatsworthProject Manager:Joann MarroquinProject:Sylmar High School PEA-EProject Number:300P107 Task 3

Analysis	Due	TAT	Expires	Comments
T233373-07 SHS-28-0.5 [Soil] Time (US &	Sampled 11/10/23 08:50	(GMT-08:00)) Pacific	
6010 Title 22	11/20/23 15:00	5	05/08/24 08:50	
8081 Pesticides	11/20/23 15:00	5	11/24/23 08:50	
T233373-08 SHS-28-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 11/10/23 08:55	(GMT-08:00)) Pacific	HOLD
T233373-09 SHS-28-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 11/10/23 09:10	(GMT-08:00)) Pacific	HOLD
T233373-10 SHS-29-0.5 [Soil] Time (US &	Sampled 11/10/23 09:30	(GMT-08:00)) Pacific	
6010 Title 22	11/20/23 15:00	5	05/08/24 09:30	
8081 Pesticides	11/20/23 15:00	5	11/24/23 09:30	
T233373-11 SHS-29-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 11/10/23 09:35	(GMT-08:00)) Pacific	HOLD
T233373-12 SHS-29-2.5 [Soil] Time (US & [NO ANALYSES]	Sampled 11/10/23 09:40	(GMT-08:00)) Pacific	HOLD
T233373-13 SHS-46-0.5 [Soil] Time (US &	Sampled 11/10/23 10:20	(GMT-08:00)) Pacific	
8081 Pesticides	11/20/23 15:00	5	11/24/23 10:20	
T233373-14 SHS-46-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 11/10/23 10:25	(GMT-08:00)) Pacific	HOLD
T233373-15 SHS-46-3.0 [Soil] Time (US & [NO ANALYSES]	Sampled 11/10/23 10:30	(GMT-08:00)) Pacific	HOLD
T233373-16 SHS-47-0.5 [Soil] Time (US &	Sampled 11/10/23 11:00	(GMT-08:00)) Pacific	
8081 Pesticides	11/20/23 15:00	5	11/24/23 11:00	





T233373

Client:Clark Seif Clark - ChatsworthProject Manager:Joann MarroquinProject:Sylmar High School PEA-EProject Number:300P107 Task 3

Analysis	Due	TAT	Expires	Comments	
T233373-17 SHS-47-1.5 [Soi Time (US &	l] Sampled 11/10/23 11:0	5 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T233373-18 SHS-47-3.0 [Soi Time (US &	l] Sampled 11/10/23 11:1	0 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T233373-19 SHS-48-0.5 [Soi Time (US & 8081 Pesticides	l] Sampled 11/10/23 11:4	5 (GMT-08:0 0	9) Pacific 11/24/23 11:4	45	
T233373-20 SHS-48-1.5 [Soi Time (US & [NO ANALYSES]		-		HOLD	
T233373-21 SHS-48-3.0 [Soi Time (US & [NO ANALYSES]	l] Sampled 11/10/23 11:5	5 (GMT-08:00) Pacific	HOLD	

Analysis groups included in this work order

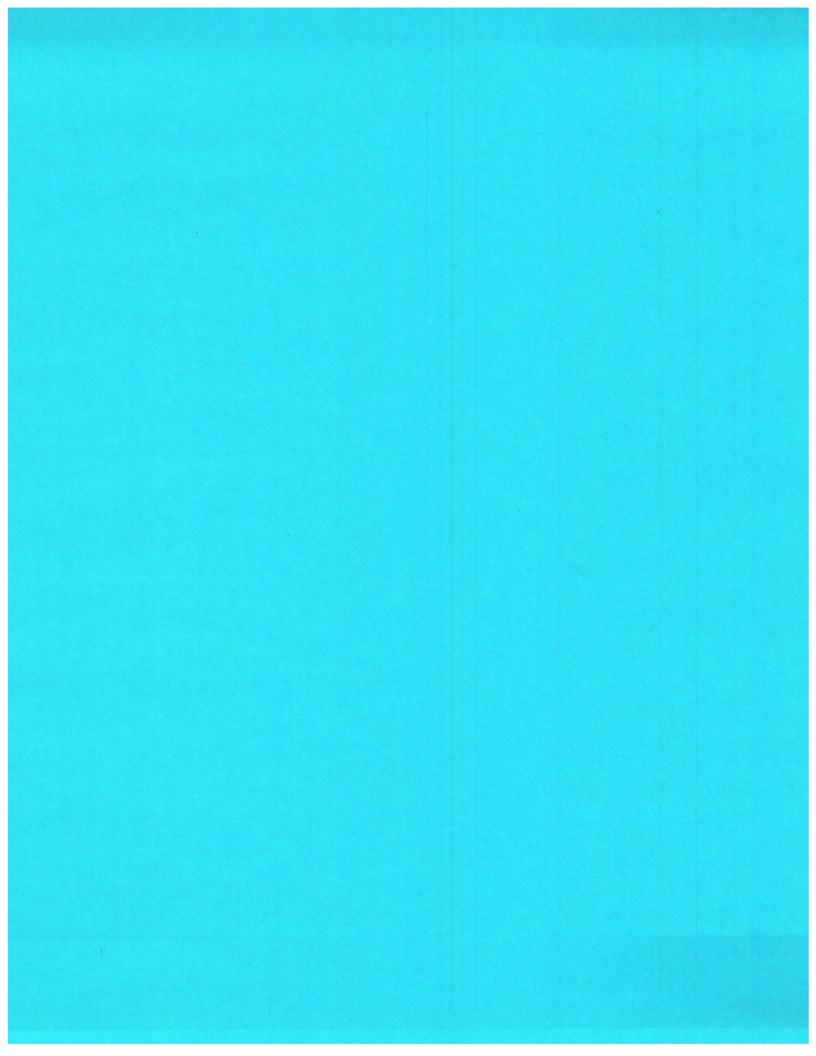
6010 Title 22

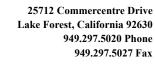
subgroup 6010B T22 7470/71 Hg

Reviewed By

Date

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28 November 2023

Bill Clarke
Clark Seif Clark - Chatsworth
21732 Devonshire Street, 2nd Floor
Chatsworth, CA 91311

RE: Sylmar High School PEA-E

Joann Marroquin

Enclosed are the results of analyses for samples received by the laboratory on 11/10/23 16:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joann Marroquin

Director of Operations



Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/28/23 10:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SHS-27-1.5	T233373-05	Soil	11/10/23 08:20	11/10/23 16:45
SHS-27-3.0	T233373-06	Soil	11/10/23 08:25	11/10/23 16:45
SHS-46-1.5	T233373-14	Soil	11/10/23 10:25	11/10/23 16:45
SHS-46-3.0	T233373-15	Soil	11/10/23 10:30	11/10/23 16:45
SHS-47-1.5	T233373-17	Soil	11/10/23 11:05	11/10/23 16:45
SHS-47-3.0	T233373-18	Soil	11/10/23 11:10	11/10/23 16:45
SHS-48-1.5	T233373-20	Soil	11/10/23 11:50	11/10/23 16:45
SHS-48-3.0	T233373-21	Soil	11/10/23 11:55	11/10/23 16:45

SunStar Laboratories, Inc.

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



Clark Seif Clark - Chatsworth

Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Chatsworth CA, 91311

Project Number: 300P107 Task 3 Project Manager: Bill Clarke **Reported:** 11/28/23 10:41

DETECTIONS SUMMARY

Sample ID: SHS-27-1.5

Laboratory ID:

T233373-05

No Results Detected

Sample ID: SHS-27-3.0

Laboratory ID:

T233373-06

No Results Detected

Sample ID:

SHS-46-1.5

Laboratory ID:

T233373-14

No Results Detected

Sample ID:

SHS-46-3.0

Laboratory ID:

T233373-15

No Results Detected

Sample ID:

SHS-47-1.5

Laboratory ID:

T233373-17

No Results Detected

Sample ID:

SHS-47-3.0

Laboratory ID:

T233373-18

No Results Detected

SunStar Laboratories, Inc.

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



Clark Seif Clark - Chatsworth

Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Chatsworth CA, 91311 Project Number: 300P107 Task 3 Project Manager: Bill Clarke **Reported:** 11/28/23 10:41

Sample ID:

SHS-48-1.5

Laboratory ID:

T233373-20

No Results Detected

Sample ID: SHS-48-3.0

Laboratory ID: T233373-21

No Results Detected

SunStar Laboratories, Inc.

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



Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/28/23 10:41

SHS-27-1.5 T233373-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Method 808	A								
alpha-BHC	ND	5.0	ug/kg	1	23K0385	11/20/23	11/21/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		73.0 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		46.1 %	35-	140	"	"	"	"	

SunStar Laboratories, Inc.

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



Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/28/23 10:41

SHS-27-3.0 T233373-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Mo	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23K0385	11/20/23	11/21/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		68.3 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		26.4 %	35-	140	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/28/23 10:41

SHS-46-1.5 T233373-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	es, Inc.					
Organochlorine Pesticides by EPA Mo	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23K0385	11/20/23	11/21/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		67.0 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		36.0 %	35-	140	"	"	"	"	

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/28/23 10:41

SHS-46-3.0 T233373-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Organochlorine Pesticides by EPA Me	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23K0385	11/20/23	11/21/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		74.0 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		40.7 %	35-	140	"	"	"	"	

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/28/23 10:41

SHS-47-1.5 T233373-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Organochlorine Pesticides by EPA Mo	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23K0385	11/20/23	11/21/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		59.5 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		25.5 %	35-	140	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/28/23 10:41

SHS-47-3.0 T233373-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Organochlorine Pesticides by EPA Me	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23K0385	11/20/23	11/21/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		40.8 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		17.6 %	35-	140	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/28/23 10:41

SHS-48-1.5 T233373-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Organochlorine Pesticides by EPA Mo	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23K0385	11/20/23	11/21/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		66.9 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		39.5 %	35-	140	"	"	"	"	

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/28/23 10:41

SHS-48-3.0 T233373-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratori	ies, Inc.					
Organochlorine Pesticides by EPA Me	ethod 8081A								
alpha-BHC	ND	5.0	ug/kg	1	23K0385	11/20/23	11/21/23	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4′-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4′-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4′-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		56.2 %	35-	140	"	"	"	"	
Surrogate: Decachlorobiphenyl		25.5 %	35-	140	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/28/23 10:41

$Organochlorine\ Pesticides\ by\ EPA\ Method\ 8081A-Quality\ Control$

SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 23K0385 - EPA 3550C ECD/GCMS										

Blank (23K0385-BLK1)				Prepared: 11/20/2	23 Analyzed: 11	/21/23	
alpha-BHC	ND	5.0	ug/kg				
gamma-BHC (Lindane)	ND	5.0	"				
beta-BHC	ND	5.0	"				
delta-BHC	ND	5.0	"				
Heptachlor	ND	5.0	"				
Aldrin	ND	5.0	"				
Heptachlor epoxide	ND	5.0	"				
gamma-Chlordane	ND	5.0	"				
alpha-Chlordane	ND	5.0	"				
Endosulfan I	ND	5.0	"				
4,4′-DDE	ND	5.0	"				
Dieldrin	ND	5.0	"				
Endrin	ND	5.0	"				
4,4´-DDD	ND	5.0	"				
Endosulfan II	ND	5.0	"				
4,4´-DDT	ND	5.0	"				
Endrin aldehyde	ND	5.0	"				
Endosulfan sulfate	ND	5.0	"				
Methoxychlor	ND	5.0	"				
Endrin ketone	ND	5.0	"				
Гохарhene	ND	20	"				
Surrogate: Tetrachloro-meta-xylene	7.64		"	10.0	76.4	35-140	
Surrogate: Decachlorobiphenyl	4.27		"	10.0	42.7	35-140	
LCS (23K0385-BS1)				Prepared: 11/20/2	23 Analyzed: 11	/21/23	
gamma-BHC (Lindane)	32.7	5.0	ug/kg	40.4	80.9	40-120	
Heptachlor	33.6	5.0	"	40.0	84.0	40-120	
Aldrin	29.3	5.0	"	40.0	73.3	40-120	
Dieldrin	33.8	5.0	"	40.2	84.0	40-120	
Endrin	37.2	5.0	"	40.2	92.6	40-120	
4,4′-DDT	36.9	5.0	"	40.4	91.3	33-147	
Surrogate: Tetrachloro-meta-xylene	6.68		"	10.0	66.8	35-140	
Surrogate: Decachlorobiphenyl	4.02		"	10.0	40.2	35-140	

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/28/23 10:41

Organochlorine Pesticides by EPA Method 8081A - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 23K0385 - EPA 3550C ECD/GCMS										
LCS Dup (23K0385-BSD1)				Prepared: 1	11/20/23 Aı	nalyzed: 11	/21/23			
gamma-BHC (Lindane)	37.1	5.0	ug/kg	40.4		91.9	40-120	12.8	30	
Heptachlor	38.2	5.0	"	40.0		95.5	40-120	12.8	30	
Aldrin	33.5	5.0	"	40.0		83.7	40-120	13.2	30	
Dieldrin	37.6	5.0	"	40.2		93.6	40-120	10.9	30	
Endrin	41.5	5.0	"	40.2		103	40-120	10.7	30	
4,4´-DDT	41.0	5.0	"	40.4		101	33-147	10.4	30	
Surrogate: Tetrachloro-meta-xylene	7.54		"	10.0		75.4	35-140			
Surrogate: Decachlorobiphenyl	4.47		"	10.0		44.7	35-140			

SunStar Laboratories, Inc.

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Clark Seif Clark - Chatsworth Project: Sylmar High School PEA-E

21732 Devonshire Street, 2nd Floor Project Number: 300P107 Task 3

Chatsworth CA, 91311 Project Manager: Bill Clarke 11/28/23 10:41

Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.

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

Chain of Custody Record

25712 Commercentre Drive, Lake Forest, CA 92630 PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

Address: P.O. Box 4299, Chatsworth, Phone: 818-727-2553 Fax: client: Clark seit Clark, Inc. Project Manager: Bill Clarke 949-297-5020 absbrke e cuceng.com 91313

	Relinquished by: (signature)		Relir	No.	Relir	'n	7	13	4	=	6	00	80	07	20	50	40	03	02	0	Laboratory ID #
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	Date / Time		Date / Time	63		H	H	H	-	-	-		-	-			-			-	8270
	Tim	6	Tim	12	-	-		-				-		-			-		-	-	8021 BTEX
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3		Received good condition/cold	Seals intact? Y/N/NA	Chain of Custody seals Y/N/NA	Total # of containers	H	\vdash	T	T	t	t	\vdash	1	T	T			T	t	+	
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								1					1	1							Total # of containers

Batch #:

T233373

EDF #:

Client Project #: 300 P107 Task 3

Chain of Custody Record

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

client: Clark Seif Clark, Inc. 25712 Commercentre Drive, Lake Forest, CA 92630 949-297-5020

Address: P.O. Box 4299

hatsworth

Project Manager: Bill Clarke Phone: 8/8-727-2553

declarker scena com

Sam	Relin	0	Relin							1	4	8	9	14	7	11	Laboratory ID #
Sample disposal Instructions:	Relinquished by: (signature)	Biel	Relinquished by: (signature)	V						1	5415	543	CH2	45	SHJ	H5	
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	e 5 .	7,25	0	+	+	+		-	Н	+			H		-		8015M (gasoline)
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roun	elived (S	of Cu		+		+		1									6010/7000 Title 22 Metals
around time:	good	stod	Total	T		T		H								T	6020 ICP-MS Metals
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	dition	ls Y/	conta														
	Seals intact? Y/NWA	Chain of Custody seals Y/N/NA	Total # of containers														
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			1							1							Total # of containers



SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #:	723 3373					
Client Name:	Clark Seif Clark	Project:	54	Imar	H5	PEA-E
Delivered by:	☐ Client ☑ SunStar Courie	r GLS [☐ FedEx	Oth	er	
If Courier, Received by: Lab Received by:	Travis	Date/Time Co Received: Date/Time La Received:	_	1111	23	13:25
Total number of coolers re	eceived: Thermometer ID:		Calib	ration du		
Temperature: Cooler #1 Temperature: Cooler #2 Temperature: Cooler #3	The second secon	=	°C correc	ted tempera ted tempera ted tempera	ture	
Temperature criteria = ≤ (no frozen containers)	≤ 6°C Within cr	riteria?	Ves	□No	□N/A	
If NO: Samples received If on ice, samples collected?	received same day	Acceptable	□No →			nce Sheet
Custody seals intact on co-	oler/sample		□Yes	□No*	☑N/A	
Sample containers intact			_/	-		
			Yes	□No*		
Sample labels match Chair	n of Custody IDs		✓ Yes	□No*		
Sample labels match Chair Total number of container			/			
Total number of container			✓Yes	□No*		
Total number of containers	s received match COC	s requested	VYes VYes	□No*	⊠N/A	
Total number of containers Proper containers received Proper preservative indica Complete shipment received	s received match COC I for analyses requested on COC	emperatures,	VYes VYes VYes	□No* □No* □No*		
Total number of containers Proper containers received Proper preservative indica Complete shipment receive containers, labels, volume holding times	s received match COC If for analyses requested on COC ted on COC/containers for analyses ed in good condition with correct to s preservatives and within method	emperatures,	✓Yes ✓Yes ✓Yes ✓Yes ✓Yes	□No* □No* □No* □No* □No*		-10-23
Total number of containers Proper containers received Proper preservative indica Complete shipment receive containers, labels, volume holding times	s received match COC If for analyses requested on COC ted on COC/containers for analyses ed in good condition with correct to s preservatives and within method	emperatures, specified	✓Yes ✓Yes ✓Yes ✓Yes ✓Yes	□No* □No* □No* □No* □No*		-10-23
Total number of containers Proper containers received Proper preservative indica Complete shipment receive containers, labels, volumes holding times * Complete Non-Conformance	s received match COC If for analyses requested on COC ted on COC/containers for analyses ed in good condition with correct to s preservatives and within method	emperatures, specified	✓Yes ✓Yes ✓Yes ✓Yes ✓Yes	□No* □No* □No* □No* □No*		-10-23

Joann Marroquin

From: Bill Clarke <dbclarke@csceng.com>
Sent: Saturday, November 18, 2023 3:10 PM

To: Joann Marroquin

Subject: Request for Additional Analysis, Sylmar High School

Follow Up Flag: Follow up Flag Status: Flagged

Hi Joann,

May we please add analysis of the following held/archived samples for organochlorine pesticides by 8081A?

SunStar ID
T233373-05
T233373-06
T233373-14
T233373-15
T233373-17
T233373-18
T233373-20
T233373-21

Thank you very much!

Regards, Bill Clarke

Donald "Bill" Clarke III, P.G.

Project Manager

Clark Seif Clark, Inc. (CSC)

Physical: 21732 Devonshire Street, Suite B - Chatsworth, CA 91311

Mailing: P.O. Box 4299 Chatsworth, CA 91313

tel 818-727-2553 fax 818-727-2556 cell 818-426-8804

e-mail dbclarke@csceng.com

www.csceng.com



LOS ANGELES ~ LONG BEACH ~ SAN FRANCISCO ~ IRVINE ~ SAN DIEGO ~ PHOENIX ~ KENTUCKY

---PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL---

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Printed: 11/13/2023 9:47:54AM



WORK ORDER

T233373

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin
Project: Sylmar High School PEA-E Project Number: 300P107 Task 3

Report To:

Clark Seif Clark - Chatsworth

Bill Clarke

21732 Devonshire Street, 2nd Floor

Chatsworth, CA 91311

Date Due: 11/20/23 17:00 (5 day TAT)

Received By: Paul Berner Date Received: 11/10/23 16:45 Logged In By: Irma Vela Date Logged In: 11/13/23 09:32

Samples Received at: 1.8°C

Custody Seals No Received On Ice Yes

Containers Intact Yes
COC/Labels Agree Yes
Preservation Confiri No

Analysis	Due	TAT	Expires	Comments	
T233373-01 SHS-26-0. Time (US &	5 [Soil] Sampled 11/10/23	07:50 (GM	IT-08:00) Pacific		
6010 Title 22	11/20/23 15:00	5	05/08/24 07:50		
8081 Pesticides	11/20/23 15:00	5	11/24/23 07:50		
T233373-02 SHS-26-1. Time (US & [NO ANALYSES]	5 [Soil] Sampled 11/10/23	07:55 (GM	IT-08:00) Pacific	HOLD	
T233373-03 SHS-26-3	[Soil] Sampled 11/10/23 03	8:00 (GMT	-08:00) Pacific Tin	ne HOLD	
(US & [NO ANALYSES]					
(US & [NO ANALYSES]	5 [Soil] Sampled 11/10/23	08:15 (GM	IT-08:00) Pacific		
(US & [NO ANALYSES] T233373-04 SHS-27-0.	5 [Soil] Sampled 11/10/23 11/20/23 15:00	08:15 (GM	IT-08:00) Pacific 05/08/24 08:15		
(US & [NO ANALYSES] T233373-04 SHS-27-0. Time (US &		`	,		
(US & [NO ANALYSES] T233373-04 SHS-27-0. Time (US & 6010 Title 22 8081 Pesticides	11/20/23 15:00	5	05/08/24 08:15 11/24/23 08:15	HOLD	
(US & [NO ANALYSES] T233373-04 SHS-27-0. Time (US & 6010 Title 22 8081 Pesticides T233373-05 SHS-27-1.	11/20/23 15:00 11/20/23 15:00	5	05/08/24 08:15 11/24/23 08:15	HOLD	
(US & [NO ANALYSES] T233373-04 SHS-27-0. Time (US & 6010 Title 22 8081 Pesticides T233373-05 SHS-27-1. Time (US & [NO ANALYSES]	11/20/23 15:00 11/20/23 15:00	5 5 08:20 (GM	05/08/24 08:15 11/24/23 08:15 IT-08:00) Pacific		

Printed: 11/13/2023 9:47:54AM

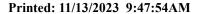


WORK ORDER

T233373

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin
Project: Sylmar High School PEA-E Project Number: 300P107 Task 3

T233373-07 SIIS-28-0.5 Soil Sampled 11/10/23 15:00 5 05/08/24 08:50	Analysis	Due	TAT	Expires	Comments
11/20/23 15:00 5 11/24/23 08:50 HOLD	•	Sampled 11/10/23	08:50 (GM	T-08:00) Pacific	
T233373-08 SHS-28-1.5 [Soil] Sampled 11/10/23 08:55 (GMT-08:00) Pacific HOLD [Time (US & [NO ANALYSES]] T233373-09 SHS-28-3 [Soil] Sampled 11/10/23 09:10 (GMT-08:00) Pacific Time HOLD (US & [NO ANALYSES]] T233373-10 SHS-29-0.5 [Soil] Sampled 11/10/23 09:30 (GMT-08:00) Pacific Time (US & 6010 Title 22	6010 Title 22	11/20/23 15:00	5	05/08/24 08:50	
Time (US & [NO ANALYSES] T233373-10 SHS-28-3 [Soil] Sampled 11/10/23 09:10 (GMT-08:00) Pacific Time HOLD (US & [NO ANALYSES] T233373-10 SHS-29-0.5 [Soil] Sampled 11/10/23 09:30 (GMT-08:00) Pacific Time (US & 6010 Title 22 11/20/23 15:00 5 05/08/24 09:30 8081 Pesticides 11/20/23 15:00 5 11/24/23 09:30 T233373-11 SHS-29-1.5 [Soil] Sampled 11/10/23 09:35 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES] T233373-12 SHS-29-2.5 [Soil] Sampled 11/10/23 09:40 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES] T233373-13 SHS-46-0.5 [Soil] Sampled 11/10/23 10:20 (GMT-08:00) Pacific Time (US & [NO ANALYSES] T233373-14 SHS-46-1.5 [Soil] Sampled 11/10/23 10:25 (GMT-08:00) Pacific Time (US & [NO ANALYSES] T233373-15 SHS-46-3 [Soil] Sampled 11/10/23 10:30 (GMT-08:00) Pacific Time HOLD (US & [NO ANALYSES] T233373-15 SHS-46-3 [Soil] Sampled 11/10/23 10:30 (GMT-08:00) Pacific Time HOLD (US & [NO ANALYSES]	8081 Pesticides	11/20/23 15:00	5	11/24/23 08:50	
(US & [NO ANALYSES] T233373-10 SHS-29-0.5 [Soil] Sampled 11/10/23 09:30 (GMT-08:00) Pacific Time (US & 6010 Title 22 11/20/23 15:00 5 05/08/24 09:30 8081 Pesticides 11/20/23 15:00 5 11/24/23 09:30 T233373-11 SHS-29-1.5 [Soil] Sampled 11/10/23 09:35 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES] T233373-12 SHS-29-2.5 [Soil] Sampled 11/10/23 09:40 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES] T233373-13 SHS-46-0.5 [Soil] Sampled 11/10/23 10:20 (GMT-08:00) Pacific Time (US & 8081 Pesticides 11/20/23 15:00 5 11/24/23 10:20 T233373-14 SHS-46-1.5 [Soil] Sampled 11/10/23 10:25 (GMT-08:00) Pacific Time (US & [NO ANALYSES] T233373-15 SHS-46-3 [Soil] Sampled 11/10/23 10:30 (GMT-08:00) Pacific Time (US & [NO ANALYSES]	Time (US &	Sampled 11/10/23	08:55 (GM	T-08:00) Pacific	HOLD
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### Restriction	•	Sampled 11/10/23	09:30 (GM	T-08:00) Pacific	
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T233373-16 SHS-47-0.5 [Soil] Sampled 11/10/23 11:00 (GMT-08:00) Pacific Time (US &	T233373-15 SHS-46-3 [Soil] (US &	Sampled 11/10/23 10	0:30 (GMT	-08:00) Pacific Tim	ne HOLD
	T233373-16 SHS-47-0.5 [Soil	Sampled 11/10/23	11:00 (GM	T-08:00) Pacific	
	8081 Pesticides	11/20/23 15:00	5	11/24/23 11:00	





T233373

Client: Clark Seif Clark - Chatsworth Project Manager: Joann Marroquin
Project: Sylmar High School PEA-E Project Number: 300P107 Task 3

Analysis Due TAT **Expires Comments** T233373-17 SHS-47-0.5 [Soil] Sampled 11/10/23 11:05 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES] T233373-18 SHS-47-0.5 [Soil] Sampled 11/10/23 11:10 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES] T233373-19 SHS-48-0.5 [Soil] Sampled 11/10/23 11:45 (GMT-08:00) Pacific Time (US & 8081 Pesticides 11/20/23 15:00 11/24/23 11:45 T233373-20 SHS-48-0.5 [Soil] Sampled 11/10/23 11:50 (GMT-08:00) Pacific **HOLD** Time (US & [NO ANALYSES] T233373-21 SHS-48-0.5 [Soil] Sampled 11/10/23 11:55 (GMT-08:00) Pacific HOLD Time (US & [NO ANALYSES]

Analysis groups included in this work order

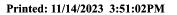
6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By

Date

Page 3 of 3 Page 23 of 29





T233373

Client:Clark Seif Clark - ChatsworthProject Manager:Joann MarroquinProject:Sylmar High School PEA-EProject Number:300P107 Task 3

Report To:

Clark Seif Clark - Chatsworth

Bill Clarke

21732 Devonshire Street, 2nd Floor

Chatsworth, CA 91311

Date Due: 11/20/23 17:00 (5 day TAT)

Received By:Paul BernerDate Received:11/10/23 16:45Logged In By:Irma VelaDate Logged In:11/13/23 09:32

Samples Received at: 1.8°C

Custody Seals No Received On Ice Yes

Containers Intact Yes
COC/Labels Agree Yes
Preservation Confirme No

Analysis	Due	TAT	Expires	Comments	
T233373-01 SHS-26-0.5	[Soil] Sampled 11/10/23 07:50	(GMT-08:00) Pacific		
Time (US &					
6010 Title 22	11/20/23 15:00	5	05/08/24 07:50		
8081 Pesticides	11/20/23 15:00	5	11/24/23 07:50		
T233373-02 SHS-26-1.5 Time (US &	[Soil] Sampled 11/10/23 07:55	(GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T222272 02 CHS 24 2 0 1	[Co:]] Compled 11/10/22 09:00	(CMT 09.00) Pacific	HOLD	
Time (US &	[Soil] Sampled 11/10/23 08:00	(GM11-09:00) Pacific	HOLD	
[NO ANALYSES]					
T233373-04 SHS-27-0.5 Time (US &	[Soil] Sampled 11/10/23 08:15	(GMT-08:00)) Pacific		
6010 Title 22	11/20/23 15:00	5	05/08/24 08:15		
8081 Pesticides	11/20/23 15:00	5	11/24/23 08:15		
T233373-05 SHS-27-1.5 Time (US &	[Soil] Sampled 11/10/23 08:20	(GMT-08:00)) Pacific	HOLD	
[NO ANALYSES]					
T233373-06 SHS-27-3.0 Time (US &	[Soil] Sampled 11/10/23 08:25	(GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					

Printed: 11/14/2023 3:51:02PM

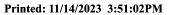


WORK ORDER

T233373

Client:Clark Seif Clark - ChatsworthProject Manager:Joann MarroquinProject:Sylmar High School PEA-EProject Number:300P107 Task 3

Analysis	Due	TAT	Expires	Comments
T233373-07 SHS-28-0.5 [Soil Time (US &	Sampled 11/10/23 08:50	(GMT-08:00)) Pacific	
6010 Title 22	11/20/23 15:00	5	05/08/24 08:50	
8081 Pesticides	11/20/23 15:00	5	11/24/23 08:50	
T233373-08 SHS-28-1.5 [Soil Time (US & [NO ANALYSES]	Sampled 11/10/23 08:55	(GMT-08:00)) Pacific	HOLD
T233373-09 SHS-28-3.0 [Soil Time (US & [NO ANALYSES]	Sampled 11/10/23 09:10	(GMT-08:00)) Pacific	HOLD
T233373-10 SHS-29-0.5 [Soil Time (US &	Sampled 11/10/23 09:30	(GMT-08:00)) Pacific	
6010 Title 22	11/20/23 15:00	5	05/08/24 09:30	
8081 Pesticides	11/20/23 15:00	5	11/24/23 09:30	
T233373-11 SHS-29-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 11/10/23 09:35	(GMT-08:00)) Pacific	HOLD
T233373-12 SHS-29-2.5 [Soil Time (US & [NO ANALYSES]	Sampled 11/10/23 09:40	(GMT-08:00)) Pacific	HOLD
T233373-13 SHS-46-0.5 [Soil Time (US &	Sampled 11/10/23 10:20	(GMT-08:00)) Pacific	
8081 Pesticides	11/20/23 15:00	5	11/24/23 10:20	
T233373-14 SHS-46-1.5 [Soil Time (US & [NO ANALYSES]] Sampled 11/10/23 10:25	(GMT-08:00)) Pacific	HOLD
T233373-15 SHS-46-3.0 [Soil Time (US & [NO ANALYSES]	Sampled 11/10/23 10:30	(GMT-08:00)) Pacific	HOLD
T233373-16 SHS-47-0.5 [Soil Time (US &	Sampled 11/10/23 11:00	(GMT-08:00)) Pacific	
8081 Pesticides	11/20/23 15:00	5	11/24/23 11:00	





T233373

Client:Clark Seif Clark - ChatsworthProject Manager:Joann MarroquinProject:Sylmar High School PEA-EProject Number:300P107 Task 3

Analysis	Due	TAT	Expires	Comments	
T233373-17 SHS-47-1.5 [Soil] Time (US &	Sampled 11/10/23 11:0	5 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T233373-18 SHS-47-3.0 [Soil] Time (US &	Sampled 11/10/23 11:1	0 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T233373-19 SHS-48-0.5 [Soil] Time (US &	Sampled 11/10/23 11:4	5 (GMT-08:00) Pacific		
8081 Pesticides	11/20/23 15:00	5	11/24/23 11:45		
T233373-20 SHS-48-1.5 [Soil] Time (US &	Sampled 11/10/23 11:5	0 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					
T233373-21 SHS-48-3.0 [Soil] Time (US &	Sampled 11/10/23 11:5	5 (GMT-08:00) Pacific	HOLD	
[NO ANALYSES]					

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By

Date

Page 3 of 3 Page 26 of 29

Printed: 11/20/2023 9:44:52AM



WORK ORDER

T233373

Client:Clark Seif Clark - ChatsworthProject Manager:Joann MarroquinProject:Sylmar High School PEA-EProject Number:300P107 Task 3

Report To:

Clark Seif Clark - Chatsworth

Bill Clarke

21732 Devonshire Street, 2nd Floor

Chatsworth, CA 91311

Date Due: 11/29/23 17:00 (11 day TAT)

Received By: Paul Berner Date Received: 11/10/23 16:45
Logged In By: Irma Vela Date Logged In: 11/13/23 09:32

Yes

Samples Received at: 1.8°C

Custody Seals No Received On Ice

COC/Labels Agree Yes
Preservation Confirme No

Analysis	Due	TAT	Expires	Comments							
T233373-01 SHS-26-0.5 [So	il] Sampled 11/10/23 07:50	(GMT-08:00) Pacific								
Time (US &		`	,								
6010 Title 22	11/20/23 15:00	5	11/15/23 07:50								
8081 Pesticides	11/20/23 15:00	5	11/24/23 07:50								
T233373-02 SHS-26-1.5 [Soil] Sampled 11/10/23 07:55 (GMT-08:00) Pacific Time (US & [NO ANALYSES]											
T233373-03 SHS-26-3.0 [So Time (US &	il] Sampled 11/10/23 08:00	(GMT-08:00) Pacific	HOLD							
[NO ANALYSES]											
T233373-04 SHS-27-0.5 [So	il] Sampled 11/10/23 08:15	(GMT-08:00) Pacific								
Time (US &											
6010 Title 22	11/20/23 15:00	5	11/15/23 08:15								
8081 Pesticides	11/20/23 15:00	5	11/24/23 08:15								
T233373-05 SHS-27-1.5 ISO Time (US &	T233373-05 SHS-27-1.5 [Soil] Sampled 11/10/23 08:20 (GMT-08:00) Pacific Time (US &										
8081 Pesticides	11/29/23 15:00	5	11/24/23 08:20								
T233373-06 SHS-27-3.0 [Soil] Sampled 11/10/23 08:25 (GMT-08:00) Pacific											
T233373-06 SHS-27-3.0 ISo Time (US &	il] Sampled 11/10/23 08:25	(GMT-08:00) Pacific								

Printed: 11/20/2023 9:44:52AM



WORK ORDER

T233373

Client:Clark Seif Clark - ChatsworthProject Manager:Joann MarroquinProject:Sylmar High School PEA-EProject Number:300P107 Task 3

Analysis	Due	TAT	Expires	Comments
T233373-07 SHS-28-0.5 [Soil] Time (US &	Sampled 11/10/23 08:50	(GMT-08:00)	Pacific	
6010 Title 22	11/20/23 15:00	5	11/15/23 08:50	
8081 Pesticides	11/20/23 15:00	5	11/24/23 08:50	
T233373-08 SHS-28-1.5 [Soil Time (US & [NO ANALYSES]	Sampled 11/10/23 08:55	HOLD		
T233373-09 SHS-28-3.0 [Soil Time (US & [NO ANALYSES]	Sampled 11/10/23 09:10	HOLD		
T233373-10 SHS-29-0.5 [Soil] Time (US &	Sampled 11/10/23 09:30	(GMT-08:00)	Pacific	
6010 Title 22	11/20/23 15:00	5	11/15/23 09:30	
8081 Pesticides	11/20/23 15:00	5	11/24/23 09:30	
T233373-11 SHS-29-1.5 [Soil] Time (US & [NO ANALYSES]	Sampled 11/10/23 09:35	(GMT-08:00)	Pacific	HOLD
T233373-12 SHS-29-2.5 [Soil Time (US & [NO ANALYSES]] Sampled 11/10/23 09:40	(GMT-08:00)	Pacific	HOLD
T233373-13 SHS-46-0.5 [Soil Time (US &	Sampled 11/10/23 10:20	(GMT-08:00)	Pacific	
8081 Pesticides	11/20/23 15:00	5	11/24/23 10:20	
T233373-14 SHS-46-1.5 [Soil]	Sampled 11/10/23 10:25	(GMT-08:00)	Pacific	
8081 Pesticides	11/29/23 15:00	5	11/24/23 10:25	
T233373-15 SHS-46-3.0 [Soil	Sampled 11/10/23 10:30	(GMT-08:00)	Pacific	
8081 Pesticides	11/29/23 15:00	5	11/24/23 10:30	
T233373-16 SHS-47-0.5 [Soil] Time (US &	Sampled 11/10/23 11:00	(GMT-08:00)	Pacific	
8081 Pesticides	11/20/23 15:00	5	11/24/23 11:00	





T233373

Client:Clark Seif Clark - ChatsworthProject Manager:Joann MarroquinProject:Sylmar High School PEA-EProject Number:300P107 Task 3

Analysis TAT Expires Comments T233373-17 SHS-47-1.5 [Soil] Sampled 11/10/23 11:05 (GMT-08:00) Pacific Time (US & 11/29/23 15:00 5 11/24/23 11:05 8081 Pesticides T233373-18 SHS-47-3.0 [Soil] Sampled 11/10/23 11:10 (GMT-08:00) Pacific 8081 Pesticides 11/29/23 15:00 5 11/24/23 11:10 T233373-19 SHS-48-0.5 [Soil] Sampled 11/10/23 11:45 (GMT-08:00) Pacific Time (US & 8081 Pesticides 11/20/23 15:00 11/24/23 11:45 T233373-20 SHS-48-1.5 [Soil] Sampled 11/10/23 11:50 (GMT-08:00) Pacific Time (US & 8081 Pesticides ______11/29/23 15:00 ______5 ____11/24/23 11:50 T233373-21 SHS-48-3.0 [Soil] Sampled 11/10/23 11:55 (GMT-08:00) Pacific Time (US & 8081 Pesticides <u>11/29/23 15:00</u> <u>5</u> <u>11/24/23 11:55</u>

 $\ \, \textbf{Analysis groups included in this work order} \\$

6010 Title 22

subgroup 6010B T22 7470/71 Hg

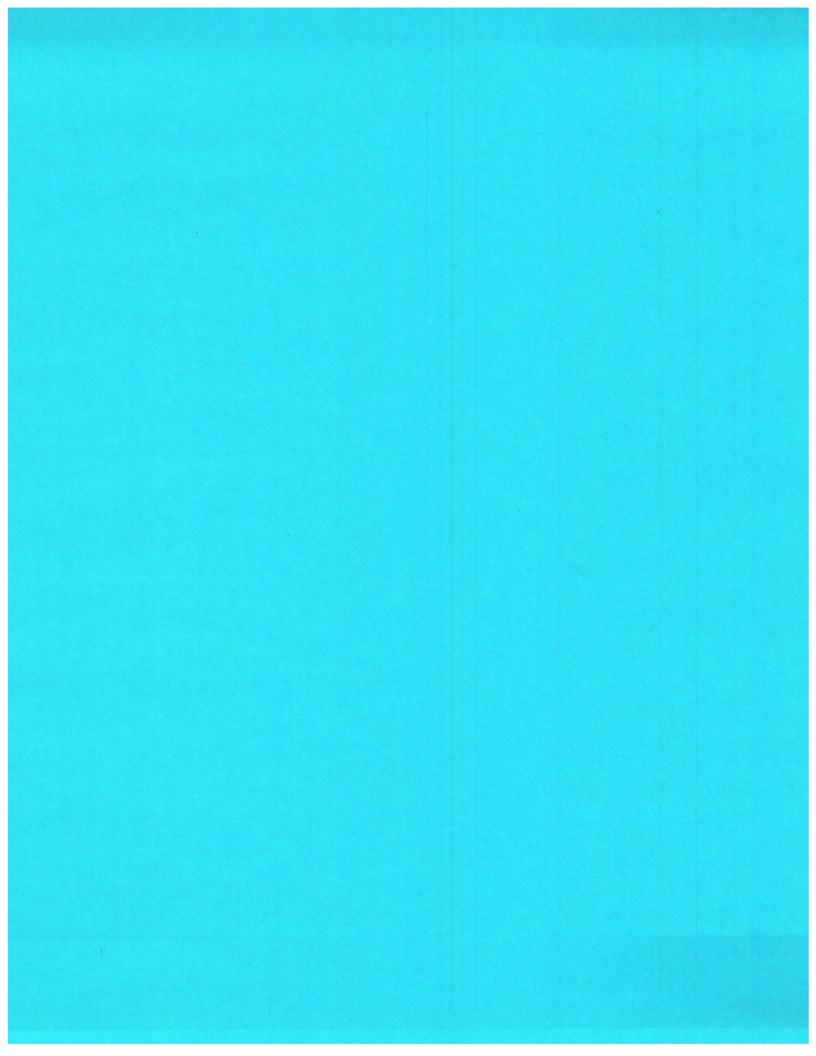
Reviewed By

Date

APPENDIX F 95 UCL STATISTICAL ANALYSES

	A	В	С	D	E IICI Statis	F	G ensored Full	H Data Sate	I	J	K	L					
1					UCL Statis	sucs for Unc	ensorea Full	Data Sets									
2		Lloor Colo	cted Options														
3	Do	te/Time of Co		ProUCL 5.11	2/12/2022 1	0.E1.22 DM											
4	Da	te/Time of Co															
5		F.J	From File II Precision	Sylmar As In OFF	puls for Prot	UCL.XIS											
6		Confidence		95%													
7	Number			2000													
8	Number of Bootstrap Operations 2000																
9																	
10	Arsenic																
	7 4 5 6 7 11 6																
12						General	Statistics										
13			Total	Number of O	bservations	50			Numbe	r of Distinct (Observations	25					
14									Numbe	of Missing (Observations	0					
15					Minimum	0.56					Mean	2.811					
16 17					Maximum	13					Median	2.05					
18					SD	2.656				Std. E	rror of Mean	0.376					
19				Coefficient	of Variation	0.945					Skewness	1.943					
20																	
21	Normal COE Toot																
22			S	hapiro Wilk T	est Statistic	0.742		Shapiro Wilk GOF Test									
23			5% SI	napiro Wilk Ci	ritical Value	0.947		Data No	ot Normal at 5% Significance Level								
24				Lilliefors T	0.227			Lilliefors GOF Test									
25			5	% Lilliefors C	ritical Value	0.125		Data No	t Normal at	5% Significa	nce Level						
26					Data Not	Normal at 5	% Significan	nce Level									
27																	
28					As	suming Nor	mal Distributi	ion									
29			95% No	rmal UCL				95%	UCLs (Adju	sted for Ske	wness)						
30				95% Stud	lent's-t UCL	3.441			95% Adjuste	ed-CLT UCL	(Chen-1995)	3.539					
31									95% Modifi	ed-t UCL (Jo	hnson-1978)	3.458					
32							•				<u> </u>						
33						Gamma	GOF Test										
34					est Statistic	2.789	Anderson-Darling Gamma GOF Test										
35					ritical Value	0.766	Da				nificance Lev	el					
36					est Statistic	0.223				ov Gamma G							
37					ritical Value	0.127				ed at 5% Sig	nificance Lev	el					
38				Dat	ta Not Gamn	na Distribute	ed at 5% Sig	nificance Le	evel								
39							01-11-11										
40							a Statistics										
41					k hat (MLE)	1.646		k star (bias corrected MLE) 1									
42		Theta hat (MLE)				1.708		Theta star (bias corrected MLE) 1									
43		nu hat (MLE)				164.6 2.811				· ·	as corrected)	156.1					
44		MLE Mean (bias corrected)							A north	•	as corrected)	2.25					
45			۸ ــا: ۱ ۱	tod Lavel of C	Pignifica = 5	0.0450			• •		Value (0.05)	128.2					
46			Adjus	ted Level of S	oignincance	0.0452			A	ujustea Chi S	Square Value	127.5					
47					٨٠٠	umina Ca	ma Diatrik	ion									
48	•	15% Approxi-	mata Camma	UCL (use wh		3.423	ıma Distribut		liveted Care	na LICI (us-	when n<50)	3.443					
49	9	Approxir	пате Gamma	UCL (use wr	len (1>=50))	3.423		95% AC	ijusted Gami	na oct (use	wnen n<50)	3.443					
50																	

	Α	В	С	D	Е	F	G	Н	I	J	K	L		
51						Lognorma	GOF Test							
52			S	hapiro Wilk	Test Statistic	0.884		Shap	iro Wilk L	ognormal GO	F Test			
53			5% S	hapiro Wilk (Critical Value	0.947		Data Not	Lognormal	at 5% Signific	ance Level			
54				Lilliefors	Test Statistic	0.233		Lil	liefors Log	normal GOF	Test			
55			5	% Lilliefors (Critical Value	0.125		Data Not	Lognormal	at 5% Signific	ance Level			
56		Data Not Lognormal at 5% Significance Level												
57														
58		Lognormal Statistics												
59				Minimum of	Logged Data	-0.58				Mean of	logged Data	0.7		
60			N	Maximum of	Logged Data	2.565				SD of	logged Data	0.786		
61														
62					Assı	uming Logno	rmal Distrib	ution						
63					95% H-UCL	3.482			909	% Chebyshev	(MVUE) UCL	3.735		
64			95%	Chebyshev (MVUE) UCL	4.194			97.5	% Chebyshev	(MVUE) UCL	4.831		
65		99% Chebyshev (MVUE) UCL 6.082												
66						1	1							
67					Nonparame	etric Distribu	tion Free UC	L Statistics						
68					Data do not f	ollow a Disc	ernible Distr	ibution (0.05	5)					
69														
70					Nonpa	rametric Dist	tribution Free	e UCLs						
71				95	5% CLT UCL	3.429				95% Ja	ackknife UCL	3.441		
72			95%	Standard Bo	ootstrap UCL	3.427	95% Bootstrap-t UCL							
73			9	5% Hall's Bo	ootstrap UCL	3.563	95% Percentile Bootstrap UCL							
74				95% BCA Bo	ootstrap UCL	3.52								
75			90% Ch	ebyshev(Me	an, Sd) UCL	3.938			95% (Chebyshev(Me	ean, Sd) UCL	4.448		
76			97.5% Ch	ebyshev(Me	an, Sd) UCL	5.157			99% (Chebyshev(Me	ean, Sd) UCL	6.548		
77														
78						Suggested	UCL to Use							
79			95% Ch	ebyshev (Me	an, Sd) UCL	4.448								
80														
81	N	ote: Sugge	stions regard	ling the selec	ction of a 95%	UCL are pro	ovided to hel	p the user to	select the	most appropr	iate 95% UCL			
82			F	Recommenda	ations are bas	sed upon dat	a size, data d	distribution, a	and skewn	ess.				
83	٦	These reco	mmendations	s are based ι	upon the resu	Its of the sim	ulation studi	es summariz	ed in Sing	h, Maichle, an	d Lee (2006).			
84	How	ever, simu	lations result	s will not cov	ver all Real W	orld data se	ts; for additio	nal insight th	ne user ma	y want to cons	sult a statistic	an.		
85														



	Α	В	С	D	E Charle	F	G ensored Full	H Data Cata	l	J	K	L	
1					JCL Statis	stics for Unc	ensorea Fuii	Data Sets					
2		Llaav Cala	cted Options	1									
3	Do	te/Time of C	•	ProUCL 5.112/	/12/2022 1	2:20:E6 DM							
4	Da	te/Time of C	From File	Sylmar Dieldrin									
5		Eu	III Precision	OFF	1 Inputs 10	I PIOUCL.XIS	•						
6	Confidence Coefficient 05%												
7	North and Charleton Constitute 2000												
8	Number	от воосъпар	Орегация	2000									
9													
10	Dieldrin												
11	Biciaiiii												
12						General	Statistics						
13			Total	Number of Obs	ervations	64			Numbe	er of Distinct (Observations	16	
14			Total	Trumber of Obs	ici vationis	04				r of Missing (0	
15					Minimum	2.5			Tumbe	or missing (Mean	14.48	
16					Maximum	230					Median	2.5	
17					SD	35.62				Std F	Frror of Mean	4.453	
18				Coefficient of		2.46					Skewness	4.421	
19				22311010111 01	,						2		
20	Normal COE Took												
21			S	Shapiro Wilk Tes	0.405			Shapiro W	ilk GOF Test	<u> </u>			
22				5% Shapiro Will	0		Data No	-	5% Significar				
23				Lilliefors Tes		0.368				GOF Test			
24			5	% Lilliefors Criti		0.111		Data No		5% Significar	nce Level		
25							∣ i% Significar						
26													
27					As	suming Nori	mal Distributi	ion					
28 29			95% No	ormal UCL					UCLs (Adju	usted for Ske	wness)		
30				95% Studer	nt's-t UCL	21.91			95% Adjuste	ed-CLT UCL	(Chen-1995)	24.43	
31									95% Modifi	ied-t UCL (Jo	hnson-1978)	22.32	
32										<u> </u>			
33						Gamma	GOF Test						
34				A-D Tes	t Statistic	13.04		Ande	rson-Darling	Gamma GC	F Test		
35				5% A-D Criti	cal Value	0.811	Data Not Gamma Distributed at 5% Significance Level						
36				K-S Tes	t Statistic	0.44		Kolmog	orov-Smirne	ov Gamma G	OF Test		
37				5% K-S Criti	cal Value	0.117	Da	ata Not Gam	ma Distribu	ted at 5% Sig	nificance Lev	el	
38				Data	Not Gamr	na Distribute	ed at 5% Sig	nificance Le	vel				
39													
40						Gamma	Statistics						
41	k hat (MLE)					0.557			k	star (bias co	rrected MLE)	0.542	
42		Theta hat (MLE)				25.98			Theta	star (bias co	rrected MLE)	26.74	
43	nu hat (MLE)				71.32				nu star (bia	as corrected)	69.31		
44	MLE Mean (bias corrected)				14.48				MLE Sd (bia	as corrected)	19.67		
45									Approximate	e Chi Square	Value (0.05)	51.15	
46			Adjus	sted Level of Sig	gnificance	0.0463			Α	djusted Chi S	Square Value	50.79	
47							1						
48					Ass	suming Gam	ıma Distribut	tion					
49	9	95% Approxi	mate Gamma	UCL (use where	n n>=50))	19.62		95% Ac	ljusted Gam	ma UCL (use	when n<50)	19.76	
50							1						
JU													

	A	В	Гс	T D	E	F	G	Н	<u> </u>	J	I K I	L
51						Lognorma	GOF Test					
52			S	Shapiro Wilk	Test Statistic	0.599		Shap	iro Wilk Log	normal GOF	Test	
53				5% Shapiro V	Wilk P Value	0		Data Not I	ognormal a	t 5% Signific	ance Level	
54				Lilliefors	Test Statistic	0.438		Lill	iefors Logno	ormal GOF 1	est	
55			5	5% Lilliefors C	Critical Value	0.111		Data Not I	ognormal a	t 5% Signific	ance Level	
56					Data Not L	ognormal at	5% Significa	ance Level				
57												
58	Lognormal Statistics											
59				Minimum of I		0.916					logged Data	1.551
60			ſ	Maximum of I	Logged Data	5.438				SD of	logged Data	1.189
61												
62							rmal Distribu	ution				
63					95% H-UCL	13.4					MVUE) UCL	14.63
64				Chebyshev (16.99			97.5%	Chebyshev (MVUE) UCL	20.28
65		99% Chebyshev (MVUE) UCL 26.74										
66												
67					-		tion Free UC					
68					Data do not f	ollow a Disc	ernible Distri	ibution (0.05)			
69												
70					<u> </u>		tribution Free	e UCLs				
71					5% CLT UCL	21.8					ckknife UCL	21.91
72				Standard Bo		21.76	95% Bootstrap-t UCL					28.1
73				95% Hall's Bo	·	27.18	95% Percentile Bootstrap UCL					
74				95% BCA Bo	•	25.4						
75				nebyshev(Me		27.84					an, Sd) UCL	33.89
76			97.5% Ch	nebyshev(Me	an, Sd) UCL	42.29			99% Ch	ebyshev(Me	an, Sd) UCL	58.78
77												
78						Suggested	UCL to Use					
79			95% Ch	ebyshev (Me	an, Sd) UCL	33.89						
80		_										
81	l	Note: Sugge						•			ate 95% UCL	•
82				Recommenda								
83											d Lee (2006).	
84	Но	wever, simu	llations resul	ts will not cov	er all Real W	orld data se	ts; for additio	nal insight th	e user may	want to cons	ult a statisticia	an.
85												