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ENGINEERS, GEOLOGISTS & ENVIRONMENTAL SCIENTISTS

PRELIMINARY ENVIRONMENTAL ASSESSMENT

TCOE NEW SCHOOL FACILITY
26277 NORTH MOONEY BOULEVARD
VISALIA, TULARE COUNTY, CALIFORNIA
(SITE CODE: 104909)

Prepared for:

Tulare County Office of Education

OCTOBER 2025

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ENGINEERS, GEOLOGISTS & ENVIRONMENTAL SCIENTISTS

September 30, 2025
Project Number: 2401-2581

Elizabeth 'Liz' Tisdale, Project Manager
California Department of Toxic Substances Control
Northern California Schools Unit
8800 Cal Center Drive
Sacramento, California 95826-3200

Subject: Preliminary Environmental Assessment Report
TCOE New School Facility
(Site Code: 104909)

Dear Ms. Tisdale:

Padre Associates (Padre), on behalf of Tulare County Office of Education, has prepared this Preliminary Environmental Assessment (PEA) Report for the TCOE New School Facility, located at 26277 North Mooney Boulevard in Visalia, Tulare County, California.

The PEA was completed in accordance with the California Environmental Protection Agency (CalEPA) Department of Toxic Substances Control (DTSC) approved PEA workplan titled: *Preliminary Environmental Assessment Workplan, TCOE New School Facility, Visalia, Tulare County, California, Site Code: 104909 (Padre, August 2025).*

The PEA results report will be made available to the public for review and comment pursuant to Option A of the California Education Code (CEC) §17213.1.a (6) (A). If you have any questions or require additional information, please contact the undersigned at (916) 333-5920 ext. 240/250.

Sincerely,
PADRE ASSOCIATES

Alan Churchill, P.G.
Senior Geologist

Alan J. Klein, C.P.E.S.C., QSD
Associate Senior Environmental Scientist

CC: Jeff Ramsay, Director of General Services, TCOE
Mariana Zimmerman, Senior Associate II, PlaceWorks
Jared Bradford, Associate II, PlaceWorks

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Padre Associates, on behalf of Tulare County Office of Education (TCOE), has prepared this Preliminary Environmental Assessment (PEA) report for the TCOE New School Facility located at 26277 North Mooney Boulevard in Visalia, Tulare County, California (Project Site).

TCOE plans to develop the New School Facility for handicapped students, consisting of 10 classrooms for approximately 100 students. Construction of the facility is anticipated to begin in April 2026, with an anticipated school opening date of April 2027. Municipal water will be provided to the school site. Wastewater will be treated by an onsite septic system, with the possibility of connecting to the municipal system in the future.

The PEA was conducted in accordance with the document titled: *Preliminary Environmental Assessment Workplan, TCOE New School Facility, 26277 North Mooney Boulevard, Visalia, Tulare County, California, Site Code: 104909, (Padre, August 2025)*. The California Environmental Protection Agency (CalEPA) Department of Toxic Substances Control (DTSC) approved the PEA workplan in a letter dated August 14, 2025.

The PEA Report will be made available to the public for review and comment pursuant to Option A of the California Education Code (CEC) §17213.1.a (6)(A).

The purpose of the PEA was to establish whether a release or potential release of hazardous substances or naturally occurring material, which would pose a threat to human health via ingestion, dermal contact, and inhalation exposure pathways, exists at the Project Site. Chemicals of potential concern (COPC) identified at the Project Site included residual organochlorine pesticides (OCPs), arsenic, and lead from historic agricultural use; OCPs and lead from the presence of a former residence and outbuilding; and polychlorinated biphenyls (PCBs) from the presence of pole-mounted electrical transformers.

The total estimated risk from OCPs identified in soils at the Project Site is estimated to be 3.6×10^{-7}, which does not provide an increased cancer risk of greater than 1 in 1,000,000 ($>10^{-6}$). The total health hazard from OCPs identified in soils is estimated to be 0.05 which does not present an increased health hazard (i.e., >1).

Arsenic concentrations identified in soil at the Project Site ranged from 2.8 to 4.8 milligrams per kilogram (mg/kg). Arsenic concentrations were compared to an arsenic data set from a school site located approximately 4.5 miles northeast of the Project Site. Arsenic concentrations identified in surface soil at the Project Site are comparable to the background data set and further assessment or remedial action for arsenic in soil is not warranted.

Lead concentrations identified in soil related to former agricultural activities ranged from 6.2 to 9.0 mg/kg. Except for one soil sample, lead concentrations identified in soil related to the former residential structures ranged from 3.8 to 54 mg/kg. One soil sample located at the area of the former residential structures was reported with a lead concentration of 99 mg/kg, which

exceeds DTSC's residential screening level of 80 mg/kg. Therefore, step-out soil samples were collected at this location. The lead in soil concentrations of the step-out samples ranged from 4.3 to 56 mg/kg.

The 95% upper confidence limit (UCL) for lead in soil at the location of the former residential structures was estimated to be 23 mg/kg. Using the 95% UCL of 23 mg/kg in soil at the location of the former residential structures as the input concentration, a risk assessment was performed using DTSC's lead risk assessment spreadsheet model (*LeadSpread Version 9*). Based on the LeadSpread output, exposure to the lead concentrations detected at the Project Site will result in a 90th percentile blood lead concentration of 0.3 µg/dl in children which is below the OEHHA blood toxicity level of 1 µg/dl.

Based on the findings of the PEA, the Project Site has not been adversely impacted by historic or current land-use activities. Therefore, Padre recommends the issuance of a "No Further Action" designation from the DTSC regarding the TCOE New School Facility.

1.0 INTRODUCTION

Padre Associates, on behalf of Tulare County Office of Education (TCOE), has prepared this Preliminary Environmental Assessment (PEA) report for the TCOE New School Facility located at 26277 North Mooney Boulevard in Visalia, Tulare County, California (Project Site). The Project Site is identified on **Plate 1-1: Site Location** and **Plate 1-2: Site Map**.

TCOE plans to develop the New School Facility for handicapped students, consisting of 10 classrooms for approximately 100 students. Construction of the facility is anticipated to begin in April 2026, with an anticipated school opening date of April 2027. Municipal water will be provided to the school site. Wastewater will be treated by an onsite septic system, with the possibility of connecting to the municipal system in the future.

The PEA was conducted in accordance with the document titled: *Preliminary Environmental Assessment Workplan, TCOE New School Facility, 26277 North Mooney Boulevard, Visalia, Tulare County, California, Site Code: 104909, (Padre, August 2025)*. The California Environmental Protection Agency (CalEPA) Department of Toxic Substances Control (DTSC) approved the PEA workplan in a letter dated August 14, 2025. A copy of DTSC's approval letter is presented in **Appendix A**.

1.1 PURPOSE

California Department of Education statutes (Assembly Bill 387, Senate Bill 162, and Assembly Bill 2644) require the CalEPA/DTSC to review environmental assessments for proposed new school sites and/or new construction school expansion projects. The role of the DTSC is to ensure that selected properties do not contain hazardous substances or naturally occurring materials that are a threat to public health and the environment.

1.2 OBJECTIVES

This PEA was conducted consistent with the DTSC guidance manual for evaluation of hazardous substance release sites titled *Preliminary Endangerment Assessment Guidance Manual*, State of California, Environmental Protection Agency, January 1994 (Revised October 2015). Pursuant to 79055(a) (1) (C) et. seq. (formerly Health and Safety Code §25355.5 (a) (1) (C)), the activities were performed to fulfill the requirements of the Environmental Oversight Agreement (EOA) issued to the school district by CalEPA/DTSC. The objectives of the PEA included:

- Evaluating historical information for indications of past use, storage, disposal, and/or release of hazardous substances at the Project Site;
- Establishing through a field sampling and laboratory analysis program, the nature, concentration, and general extent of hazardous substances that may be present in soil and/or groundwater at the Project Site; and
- Estimating the potential threat to public health and the environment presented by

hazardous constituents identified at the property and providing an indicator of relative risk using a residential land-use scenario.

Based on information developed during the course of the PEA and the conservative human and ecological risk evaluation using the DTSC's *PEA Guidance Manual*, January 1994, (Revised October 2015), DTSC will then make an informed decision regarding potential risks posed by the Project Site.

Possible outcomes of the PEA decision include the issuance of a "No Further Action" finding if the risk level is found to be less than 1 in 1,000,000 ($>10^{-6}$) which is DTSC's "point of departure", and the health hazard index is less than 1.0. Additional outcomes may include the need for further assessment through the Remedial Investigation/ Feasibility Study (RI/FS) process if the Project Site presents a risk and/or health hazard; the need to perform a Removal Action if localized impacts by hazardous substances release(s) are found; or the abandonment of the Project Site as a potential school site and the pursuit of alternative sites.

1.3 PUBLIC PARTICIPATION

The PEA Report will be made available to the public for review and comment pursuant to Option A of the California Education Code (CEC) §17213.1.a (6)(A). When completed, public participation documentation will be submitted to DTSC under separate cover.

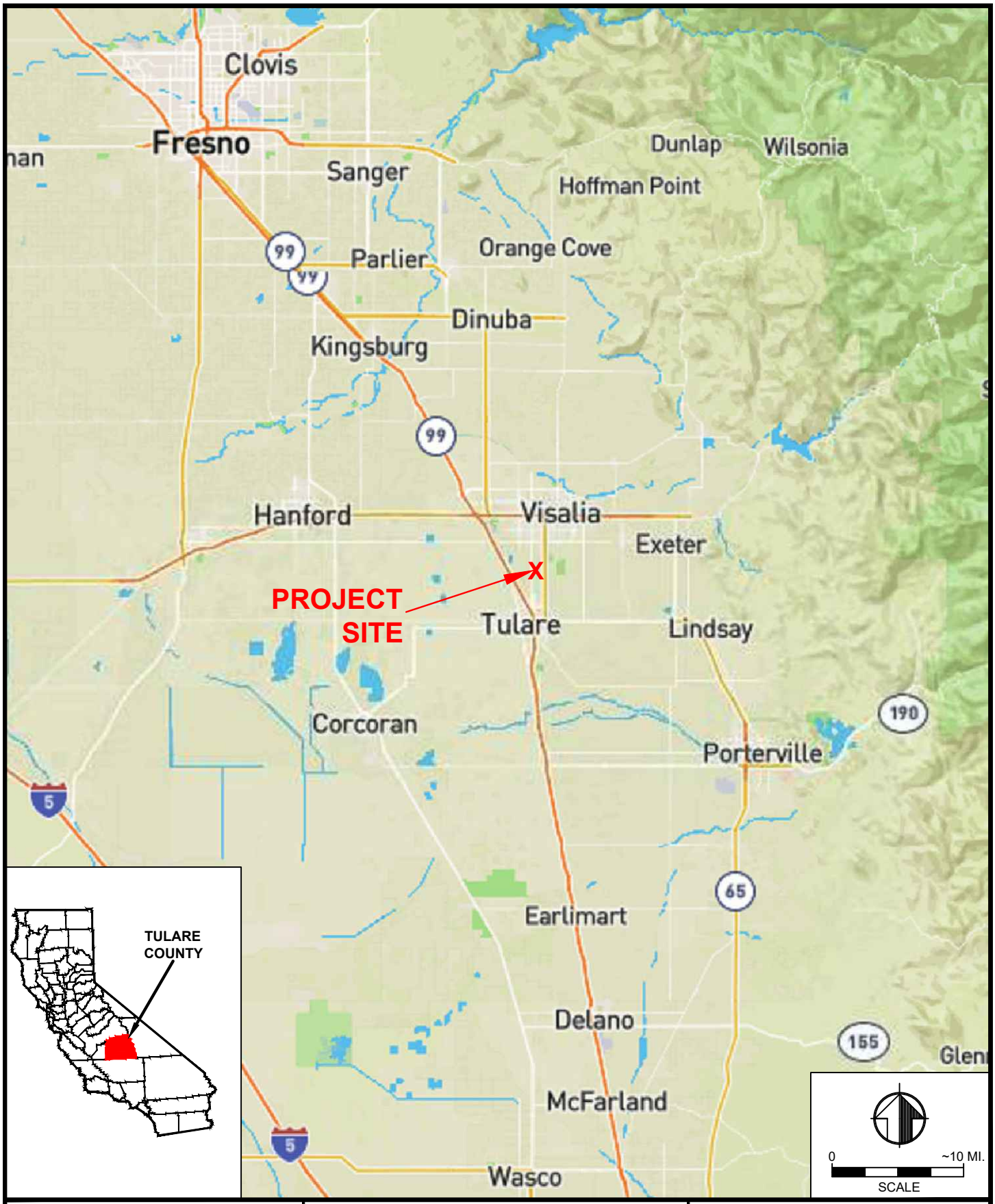

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PLATE 1-1

SITE LOCATION

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GOOGLE EARTH IMAGERY (3/25)

TCOE NEW SCHOOL FACILITY
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PLATE 1-2

SITE MAP

2.0 PROPERTY DESCRIPTION AND CONTACTS

2.1 SITE LOCATION AND ASSESSOR'S PARCEL NUMBER

The Project Site address is identified as 26277 North Mooney Boulevard in Visalia, Tulare County, California. The Project Site consists of approximately 18-acres of a larger parcel of land identified by the County of Tulare as assessor parcel number (APN): 149-030-005 (30-ac). A copy of the parcel map was presented in the PEA Workplan.

2.2 DESIGNATED CONTACT PERSON

Mr. Jeff Ramsay, Director of General Services
6200 S. Mooney Blvd, Visalia, CA 93277
(559) 733-6601 Ext. 1204
Jeff.ramsay@tcoe.org

2.3 PROPERTY USE

The Project Site is currently fallow agricultural land, which previously contained a walnut orchard and residential structures. The orchard and structures have been removed.

2.4 ENVIROSTOR DATABASE NUMBER

The EnviroStor database number for the Project Site is 60003860.

2.5 TOWNSHIP, RANGE, AND SECTION

The Project Site is located in the northeast quarter of Section 24, Township 19 South, Range 24 East of the Visalia, California USGS 7½-Minute topographic series, Quadrangle Map (2021). The Project Site is relatively flat and lies at an approximate elevation of 310-feet above mean sea level (amsl). The approximate latitude and longitude near the center of the Project Site are identified to be:

Latitude (North):	36° 16' 1.86" (36.2671840)
Longitude (West):	-119° 18' 57.36" (-119.3159360)

2.6 SITE MAPS

A site location map is included as **Plate 1-1**, and a site map is included as **Plate 1-2**.

2.7 PHYSICAL SETTING

2.7.1 Topography

According to the United States Geological Survey (USGS) Visalia Quadrangle, California topographic map (2021), the Project Site is essentially flat and is located at an elevation of approximately 310 feet above mean sea level (msl).

2.7.2 Geology

The Subject Property is located in the southeastern portion of the Great Valley Geomorphic Province. The Great Valley Geomorphic Province, a north-south trending valley, is approximately 400 miles long by 50 miles wide, and the southern portion of which is known as the San Joaquin Valley. The Subject Property is located on the eastern flank of the San Joaquin Valley, west of the southern Sierra Nevada. The surface of the San Joaquin Valley is composed primarily of unconsolidated Pleistocene (1.6 million to 11,000 years ago) and Recent (11,000 years ago to the present) alluvial sediments. These lie unconformably on Mio-Pliocene, marine sediments, which extend to a crystalline basement at a depth of approximately 20,000 feet (Norris and Webb, 1990).

Stratigraphically, the subsurface of the Great Valley is complex, and is comprised of tens of thousands of feet of marine and non-marine sediments ranging in age from Jurassic to Recent. The sediments are important sources of groundwater and petroleum hydrocarbon resources (oil and gas). The relatively flat surface of the San Joaquin Valley is underlain by alluvial, lacustrine, and marine sedimentary deposits that accumulated as the structural trough formed as the adjacent mountain ranges were elevated through tectonic processes. The thickness of the sediments varies from a thin veneer along the valley margins to thousands of feet thick at the axis of the trough. The main axis of the trough is oriented north-south along the valley's main drainage axis.

According to the California Geological Survey's (CGS) *Geologic Map of California – Fresno Sheet, 1:250,000,* 1966, fourth printing 1991, the Project Site is underlain by the quaternary nonmarine terrace deposits (Qf).

2.7.3 Soils

According to the United States Department of Agriculture, Soil Conservation Service's, Soil Survey of Tulare County, California – Western Part (2003), the surface soil at the Project Site is identified as the Nord Series, which consists of fine sandy loam, 0 to 2 percent slopes, very deep, well drained soils that formed in mixed alluvium derived mainly from granitic rock sources.

2.7.4 Groundwater

Based on review of the California Department of Water Resources water data library station map for groundwater wells located in the vicinity of the Project Site, the depth to shallow groundwater beneath the Project Site is estimated to range from approximately 140- to 180-feet below ground surface (bgs) and flow westerly.

2.7.5 Radon

According to the U.S. EPA map of California radon zones, Tulare County is identified as a Zone 2 (orange) county. Zone 2 counties have a predicted average indoor radon screening level greater than 2 pCi/L and less than 4 pCi/L. According to the California database of indoor radon levels for Tulare County (zip Code: 93274), 27 out of 92 (29%) site radon tests exceeded

4.0 pCi/L. The potential for radon gas hazard at the Project Site is considered moderate and is dependent on site-design and building construction specifications.

2.7.6 Sea Level Rise

According to DTSC's *Draft Sea Level Rise Guidance to DTSC Project Managers for Cleanup Activities* dated February 2023, Sea Level Rise (SLR) has the potential to significantly impact wastes at a site by causing groundwater levels to rise, by inundation, and by the subsequent deterioration of the remedy and mobilization of contaminants. The Project Site is located approximately 112 miles from the Pacific Ocean and the potential for SLR to impact the Project Site is considered insignificant.

3.0 BACKGROUND

3.1 SITE HISTORY

Based on a review of historical aerial photographs, the Project Site has been in agricultural use since at least 1937. In the 1937 aerial photograph the Project Site appears as field and row crops, and a residential building is situated near the eastern property boundary along N. Mooney Blvd. An elongated farm building is present west of the residential building. In the 1952 aerial photograph, two additional farm buildings are present north of the elongated building. In the 1956 aerial photograph, all three farm buildings are no longer present. A review of GoogleEarth satellite imagery indicates that a walnut orchard was present in September 1994 through April 2022. The orchard is no longer present in the April 2023 satellite image. The residential building, which was present in 1937, reportedly was removed in August 2024.

Padre completed a site reconnaissance of the Project Site on January 9, 2025, which consisted of walking the property and photographing site features. No orchard trees were present, and the residential building had been removed. A gravel driveway enters the property from N. Mooney Blvd at the location of the former residential building. Two adjacent surface depressions (1-2 ft depth) were observed and appear to be the result of removing the building's foundation. A pole-mounted electrical transformer (2 transformers) is present approximately 100-ft west of the former residence, and a water well is located approximately 80-feet west of the pole-mounted transformers. No surface irrigation or drainage ditches were observed at the Project Site.

According to the Tulare County Agricultural Commissioner, pesticide use reports were provided for Spring Ranch Inc., for 103-acres of almond orchards for the years 2021, 2022 and 2023. Reportedly, the Project Site is represented within this 103-acres. According to GoogleEarth imagery, the Project Site was planted as an orchard in 1994 through 2022. The pesticide use reports lists the use of miticides/insecticides, herbicides, and fungicides. Based on review of insecticides, herbicides, and fungicides used at the Project Site, Padre did not identify any chemicals that would require additional laboratory analyses of soil, other than the standard requirement of organochlorine pesticides (OCPs), arsenic, and lead.

3.2 SURROUNDING PROPERTY LAND USE

The Project Site is bordered to the north by Avenue 264 and an existing TCOE facility; to the east by N. Mooney Blvd, beyond which is commercial property and agricultural property; to the south by agricultural land; and to the west by commercial property and agricultural land.

A review of the Environmental Data Resources (EDR) Radius Map Report (January 2025) did not identify facilities in the database records search within a one-mile radius of the Project Site that present a Recognized Environmental Condition (REC) to the Project Site. According to the EDR Environmental Lien Search, no environmental liens or AULs were identified for the Project Site.

In September 2025, Padre reviewed the California Department of Toxic Substances Control (DTSC), Envirostor Database, and the State Water Resources Control Board (SWRCB) GeoTracker website for facilities that may present a REC to the Project Site. No facilities were identified.

3.3 CHEMICALS OF POTENTIAL CONCERN

The chemicals of potential concern (COPC) identified at the Project Site are based on current site conditions and historic property use. This information is summarized below:

- Organochlorine pesticides (OCPs), arsenic, and lead in soil from historic agriculture-use since at least 1937;
- OCPs, arsenic, and lead in soil around a water well, potentially used for mixing agricultural pesticides;
- OCPs in soil from the application of termiticides around the foundations of former building structures;
- Lead in soil from weathering of lead-based paint around the perimeter of former building structures;
- Polychlorinated biphenyls (PCBs) in soil at the base of pole-mounted electrical transformers;
- According to the California Geological Survey (CGS) *Map of California – Fresno Sheet (1966, fourth printing 1991)*, the occurrence of ultrabasic rock outcrops has been identified approximately 10-miles northeast of the Project Site. Several proposed school sites in the Visalia area have been sampled for the presence of naturally occurring asbestos (NOA) related to these outcrops, and according to reported analytical results, soil samples did not contain detectable concentrations of NOA. The nearest site is Envirostor No. 60002712, which is located approximately 3-miles northeast of the Project Site and closer to the identified outcrop. Therefore, sampling for NOA in soil was not performed;
- According to the U.S. EPA map of California radon zones, Tulare County is identified as a Zone 2 (orange) county. Zone 2 counties have a predicted average indoor radon screening level greater than 2 pCi/L and less than 4 pCi/L. According to the California database of indoor radon levels for Tulare County (zip Code: 93274), 27 out of 92 (29%) site radon tests exceeded 4.0 pCi/L. The potential for radon gas hazard at the Project Site is considered moderate and is dependent on site-design and building construction specifications. Therefore, sampling for radon gas in shallow subsurface soil was not performed; and
- Municipal water will be provided to the school site. Wastewater will be treated by an onsite septic system, with the possibility of connecting to the municipal system in the future.

4.0 CONCEPTUAL SITE MODEL

The conceptual site model is the tool used to identify the primary sources of COPC identified at the Project Site, release mechanisms for the COPC, points of exposure at the Project Site, and the exposure pathways (ingestion, inhalation, and dermal contact) for the screening level evaluation of chronic health risks. The objective of this PEA is to evaluate the Project Site for an unrestricted land use (residential) scenario.

There are several ways a receptor may be exposed to COPC (i.e., pesticides, metals, etc.). Receptors can include humans, animals, vegetation, surface water, and/or groundwater. Typical pathways for exposure to COPC include:

- Physical transport via tracking chemicals of concern on people, clothing, and/or equipment; and
- Transport by airborne particulate matter.

For humans and animals, exposure usually occurs by the following exposure routes:

- Ingestion or inhalation of contaminated soil particles; and
- Dermal contact with contaminated soil particles.

The conceptual site model for the Project Site was developed based on the following assumptions:

- Exposure of students, staff, site visitors, and construction workers to COPC in soil via the ingestion and dermal contact routes is considered a complete exposure pathway;
- Exposure of students, staff, site visitors, and construction workers to COPC in airborne particulate matter via the inhalation route is considered a complete exposure pathway;
- Exposure of students, staff, site visitors, and construction workers to COPC in soil vapor via the inhalation route is considered an incomplete exposure pathway;
- Municipal drinking water and irrigation water will be provided to the Project Site. Therefore, the assessment of groundwater beneath the Project Site is not proposed;
- Surface water was not observed at the Project Site. Therefore, exposure to surface water at the Project Site is an incomplete exposure pathway; and
- Ingestion of vegetation and animals is considered an incomplete exposure pathway because of the proposed use as a school site.

A conceptual site model is presented on **Plate 4-1**.

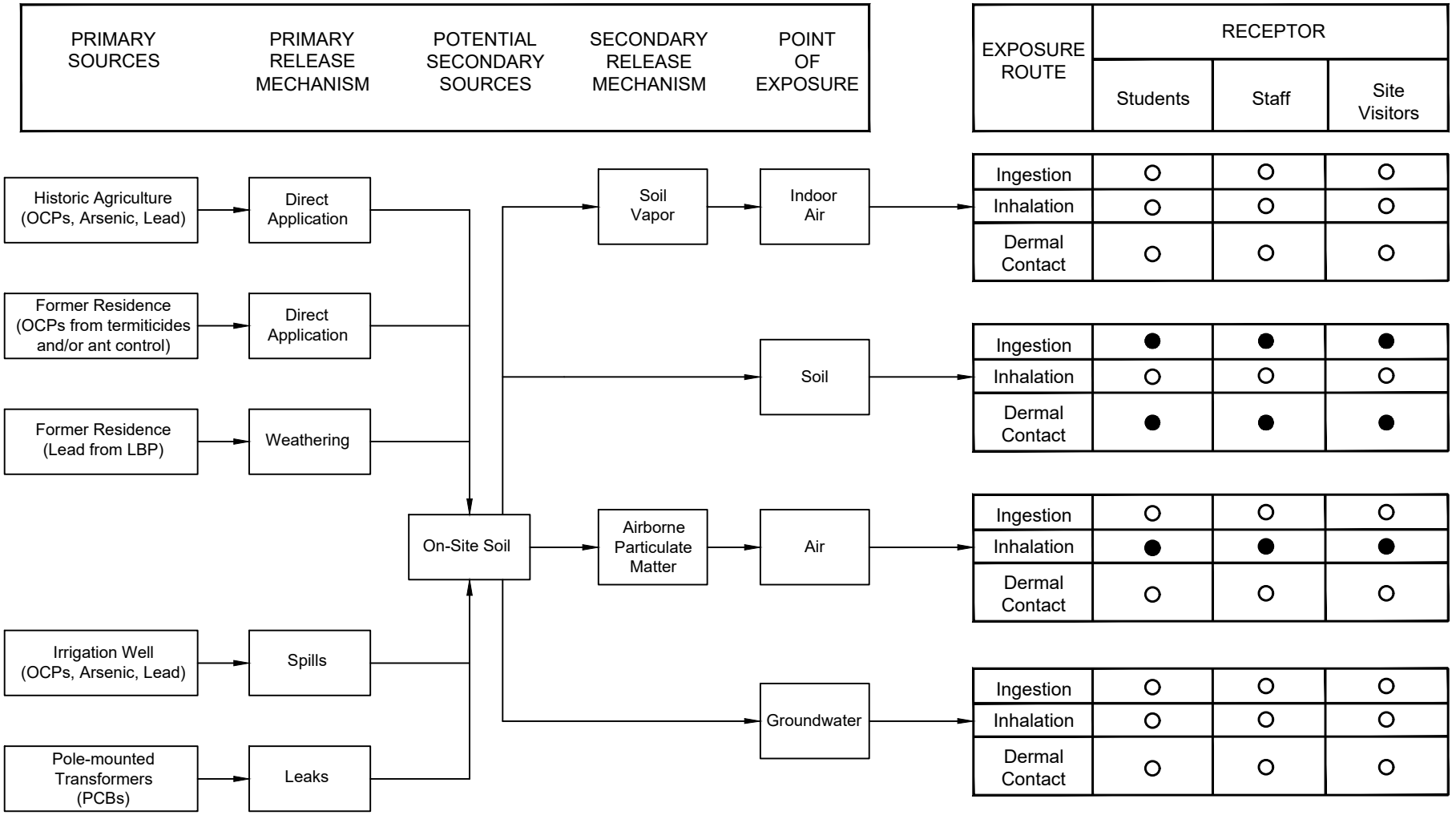

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PLATE 4-1

CONCEPTUAL SITE MODEL

5.0 PEA ASSESSMENT

The PEA soil sampling activities were completed on August 26, 27 and September 11, 2025, in general accordance with the DTSC approved PEA workplan dated August 7, 2025. At the time of field sampling activities, the Project Site consisted of a vacant property and fallow agricultural field.

Prior to initiating field activities for the PEA, a field activities notification letter presented on District letterhead was delivered to nearby residents (line-of-sight) and posted at the Project Site. Site photographs are presented in **Appendix B,** and a copy of the Health & Safety Plan is presented in **Appendix C**.

5.1 SAMPLE LOCATIONS

The Project Site has been categorized into the following areas of investigation: former orchard; former residence buildings; irrigation well; and two pole-mounted electric transformers. Sample location areas are presented on **Plates 5-1**, **5-2** and **5-3.**

Sample locations were identified using an EOS Arrow 100 handheld electronic navigating device operating with the United States Government's Global Positioning Satellite system. The GPS coordinates for the soil sample locations are presented in **Table 5-1**. The field sampling schedule is presented in **Table 5-2,** and the sample collection information is presented in **Table 5-3**. Specific soil sample locations and sample depths are described below:

5.1.1 Soil Sampling

Based on site conditions and DTSC's sampling guidance documents the following sampling plan was implemented:

Former Orchard

A total of 28 discrete surface soil samples were collected from a grid-pattern across the Project Site. The discrete soil samples were made into seven 4-point composite soil samples by the analytical laboratory. The composite soil samples were chemically analyzed for the presence of OCPs. One discrete soil sample was selected from each composite sample grouping and analyzed for the presence of arsenic and lead.

Former Residence Buildings

The former residence buildings consisted of the main residence house and a detached garage. The buildings and foundations have been removed, and rough grading of the area has occurred. At 16 locations, discrete soil samples were collected from within the grid at approximate depths of surface to 0.5-ft and from 2.0- to 2.5-ft bgs. The discrete soil samples were made into four 4-point composite soil samples by the analytical laboratory for both surface and subsurface samples. The composite soil samples were chemically analyzed for the presence of OCPs. One discrete soil sample was selected from each composite sample grouping and analyzed for the presence of lead.

Irrigation Well

One irrigation well is located west of the former residence buildings. Reportedly, this well will be properly abandoned during site development. The practice of mixing pesticides with water for flood irrigation and/or spray application may have occurred at this location. Therefore, four discrete soil samples were collected from around the well location at approximate depths of surface to 0.5-ft and from 1.0- to 1.5-ft bgs. The discrete soil samples were made into one 4-point composite soil samples by the analytical laboratory for both surface and subsurface samples. The composite soil samples was chemically analyzed for the presence of OCPs. One discrete soil sample was selected from each composite sample grouping to be analyzed for the presence of arsenic and lead. The subsurface soil samples were placed on "hold" with the analytical laboratory pending results of the surface samples.

Pole-Mounted Electrical Transformers

One pole-mounted electrical transformer containing two transformers is located between the irrigation well and former residence buildings. A second pole-mounted electrical transformer is located along Avenue 264. Directly beneath each transformer discrete soil samples were collected at approximate depths of surface to 0.5-ft and from 1.0- to 1.5-ft bgs and chemically analyzed for the PCBs. The subsurface soil samples were placed on "hold" with the analytical laboratory pending the results the surface samples

5.1.2 Quality Analysis/Quality Control Samples

For quality assurance/quality control (QA/QC), approximately 10% of the discrete soil samples were analyzed as duplicate soil samples for selected analyses. Padre requested the analytical laboratory to split selected soil samples to be chemically analyzed as duplicates for OCPs, arsenic, and lead.

One equipment blank sample and one field blank sample per soil sampling event (water samples) were also collected and analyzed for the presence of arsenic and lead.

5.2 SAMPLE COLLECTION

5.2.1 Soil Sample Collection

Surface soil samples were collected using hand sampling tools including a hand pick and hand auger. Soil sampling equipment was decontaminated prior to use at each sample collection location and sampling event. Soil samples were collected in 2-inch x 6-inch stainless steel sleeves and sealed with plastic end caps. Surface soil was loosened with the hand pick and placed into the sample sleeves.

The soil samples were sealed, labeled, and preserved on ice in the field. After completion of soil sampling activities, the soil samples were transferred to a State-certified analytical laboratory under chain-of-custody protocol for chemical analyses. Field sampling methods conformed to guidelines set forth in the Health and Safety Plan (Appendix C).

5.2.2 Decontamination Procedures

Equipment that came into contact with potentially contaminated soil was decontaminated consistently so as to assure the quality of samples collected. Disposable equipment intended for one-time use was not decontaminated but packaged for appropriate disposal. Decontamination occurred prior to and after each use of a piece of equipment. All sampling devices used were decontaminated using the following procedures:

- Non-phosphate detergent and tap water wash, in a 5-gallon plastic bucket, using a brush;
- Deionized/distilled water rinse, in a 5-gallon plastic bucket; and
- Final deionized/distilled water rinse in a 5-gallon plastic bucket.

At the completion of soil sample collection activities, the small amount of wash water was dispersed to the planting area. The wash water consisted of water, non-phosphate detergent, and a small amount of surface soil.

5.3 SAMPLE ANALYSES

The laboratory analytical program schedule is summarized in **Table 5-2**. Analytical methods, types of containers, preservative, and holding times are summarized in **Table 5-3**. The laboratory analytical program consisted of chemical analyses of soil samples collected from the Project Site for the presence of:

- OCPs by U.S. Environmental Protection Agency (EPA) Method 8081B;
- Arsenic by U.S. EPA Method 6020;
- Lead by U.S. EPA Method 6020;
- PCBs by U.S.EPA Method 8082.

Equipment blanks (water sample) and field blanks (water sample) were also collected and analyzed for the presence of arsenic and lead by U.S. EPA Method 200.8.

5.3.1 Chain-of-Custody Records

Chain-of-custody (C-O-C) records are used to document sample collection and shipment to the laboratory for analysis. A C-O-C record accompanied all samples shipped for analysis. Form(s) were completed and sent with the samples for each laboratory and each shipment. If multiple coolers were sent to a single laboratory on a single day, C-O-C form(s) were completed and sent with the samples for each cooler. The C-O-C record identified the contents of each shipment and maintained the custodial integrity of the samples. Generally, a sample was considered to be in someone's custody if it was either in someone's physical possession, in someone's view, locked up, or kept in a secure area that was restricted to authorized personnel. Until receipt by the laboratory, the custody of the samples was the responsibility of the sample collector.

5.4 FIELD VARIANCES

Based on the analytical laboratory results of the initial PEA sampling event, Padre returned to the Project Site on September 11, 2025, and collected step-out soil samples at the location of soil sample R-11, which is within the former residence area of the Project Site. The step-out soil samples were analyzed for the presence of lead. Refer to **Plate 5-2**.

Table 5-1: GPS Soil Sample Locations

Sample Identification	Coordinates	
	Latitude	Longitude
Former Orchard		
AG-1	36.269114°	-119.317564°
AG-2	36.269119°	-119.317104°
AG-3	36.269122°	-119.316658°
AG-4	36.269122°	-119.316199°
AG-5	36.268696°	-119.317550°
AG-6	36.268699°	-119.317113°
AG-7	36.268699°	-119.316651°
AG-8	36.268696°	-119.316194°
AG-9	36.268282°	-119.317549°
AG-10	36.268276°	-119.317109°
AG-11	36.268279°	-119.316653°
AG-12	36.268279°	-119.316201°
AG-13	36.267586°	-119.315278°
AG-14	36.267589°	-119.314758°
AG-15	36.267586°	-119.314242°
AG-16	36.267586°	-119.313746°
AG-17	36.267102°	-119.315268°
AG-18	36.267105°	-119.314750°
AG-19	36.267102°	-119.314393°
AG-20	36.266923°	--119.313807°
AG-21	36.266577°	-119.315278°
AG-22	36.266584°	-119.314750°
AG-23	36.266581°	-119.314234°
AG-24	36.266581°	-119.313746°
AG-25	36.266089°	-119.315284°
AG-26	36.266086°	-119.314784°
AG-27	36.266089°	-119.314273°
AG-28	36.266089°	-119.313773°

GPS – U.S. Global Positioning Satellite System

Table 5-1: GPS Soil Sample Locations (continued)

Sample Identification	Coordinates	
	Latitude	Longitude
Former Residence Area		
R-1	36.267315°	-119.314175°
R-2	36.267317°	-119.313999°
R-3	36.267232°	-119.314174°
R-4	36.267231°	-119.313997°
R-5	36.267318°	-119.313828°
R-6	36.267318°	-119.313653°
R-7	36.267232°	-119.313825°
R-8	36.267232°	-119.313655°
R-9	36.267144°	-119.314176°
R-10	36.267145°	-119.313999°
R-11	36.267055°	-119.314173°
R-12	36.267056°	-119.313999°
R-13	36.267143°	-119.313831°
R-14	36.267144°	-119.313654°
R-15	36.267057°	-119.313827°
R-16	36.267056°	-119.313657°
Irrigation Well		
Well	36.267038°	-119.314766°
Pole-mounted Electrical Transformers		
TF-1	36.267003°	-119.314476°
TF-2	36.269326°	-119.317097°

GPS – U.S. Global Positioning Satellite System

Table 5-2. Field Sampling Schedule

Test Method	Sample Depth	Number of Samples	Sample Location	Submittal Status
Former Orchard				
OCPs by U.S. EPA Method 8081B	Surface (0-0.5 feet)	28 (discrete)	CS-1: AG-1, -2, -3, -4 CS-2: AG-5, -6, -7, -8 CS-3: AG-9, -10, -11, -12 CS-4: AG-13, -14, -15, -16 CS-5: AG-17, -18, -19, -20 CS-6: AG-21, -22, -23, -24 CS-7: AG-25, -26, -27, -28 Duplicate: CS-2	Analyze
Arsenic by U.S. EPA Method 6020	Surface (0-0.5 feet)	8 (discrete)	AG-1, -6, -11, -14, -17, -22, -27 Duplicate: AG-22	Analyze
Lead by U.S. EPA Method 6020	Surface (0-0.5 feet)	8 (discrete)	AG-1, -6, -11, -14, -17, -22, -27 Duplicate: AG-11	Analyze

Table 5-2. Field Sampling Schedule (continued)

Test Method	Sample Depth	Number of Samples	Sample Location	Submittal Status
Former Residence Area				
OCPs by U.S. EPA Method 8081B	Surface (0-0.5 feet)	16 (discrete)	CS-8: R-1, -2, -3, -4 CS-9: R-5, -6, -7, -8 CS-10: R-9, -10, -11, -12 CS-11: R-13, -14, -15, -16 Duplicate: CS-9	Analyze Analyze
	Subsurface (2-2.5 feet)	16 (discrete)	CS-12: R-1, -2, -3, -4 CS-13: R-5, -6, -7, -8 CS-14: R-9, -10, -11, -12 CS-15: R-13, -14, -15, -16 Duplicate: CS-13	
Lead by U.S. EPA Method 6020	Surface (0-0.5 feet)	20 (discrete)	R-1 through R-16 R-11A, -11B, -11C, -11D Duplicate: R-10, R-13	Analyze
	Subsurface (1-1.5’)	1 (discrete)	R-11	Analyze
	Subsurface (2-2.5’)	16 (discrete)	R-1 through R-16 R-11A, -11B, -11C, -11D Duplicate: R-10, R-13	Analyze

Table 5-2. Field Sampling Schedule (continued)

Test Method	Sample Depth	Number of Samples	Sample Location	Submittal Status
Irrigation Well				
OCPs by U.S. EPA Method 8081B	Surface (0-0.5 feet)	4 (discrete)	CS-12: W-1, -2, -3, -4	Analyze
	Subsurface (1-1.5 feet)	4 (discrete)	CS-13: W-1, -2, -3, -4	Hold
Arsenic by U.S. EPA Method 6020	Surface (0-0.5 feet)	4 (discrete)	W-1, -2, -3, -4	Analyze
	Subsurface (1-1.5 feet)	4 (discrete)	W-1, -2, -3, -4	Hold
Arsenic by U.S. EPA Method 6020	Surface (0-0.5 feet)	4 (discrete)	W-1, -2, -3, -4	Analyze
	Subsurface (1-1.5 feet)	4 (discrete)	W-1, -2, -3, -4	Hold
Pole-mounted Electrical Transformers				
PCBs by U.S. EPA Method 8082	Surface (0-0.5 feet)	3 (discrete)	TF-1A, TF-1B, TF-2	Analyze
	Subsurface (1-1.5 feet)	3 (discrete)	TF-1A, TF-1B, TF-2	Hold
QA/QC Samples (water)				
Arsenic and Lead by U.S. EPA Method 200.8	NA	1 per day	Equipment Blank (EB-1, etc.)	Analyze
		1 per day	Field Blanks (FB-1, etc.)	Analyze

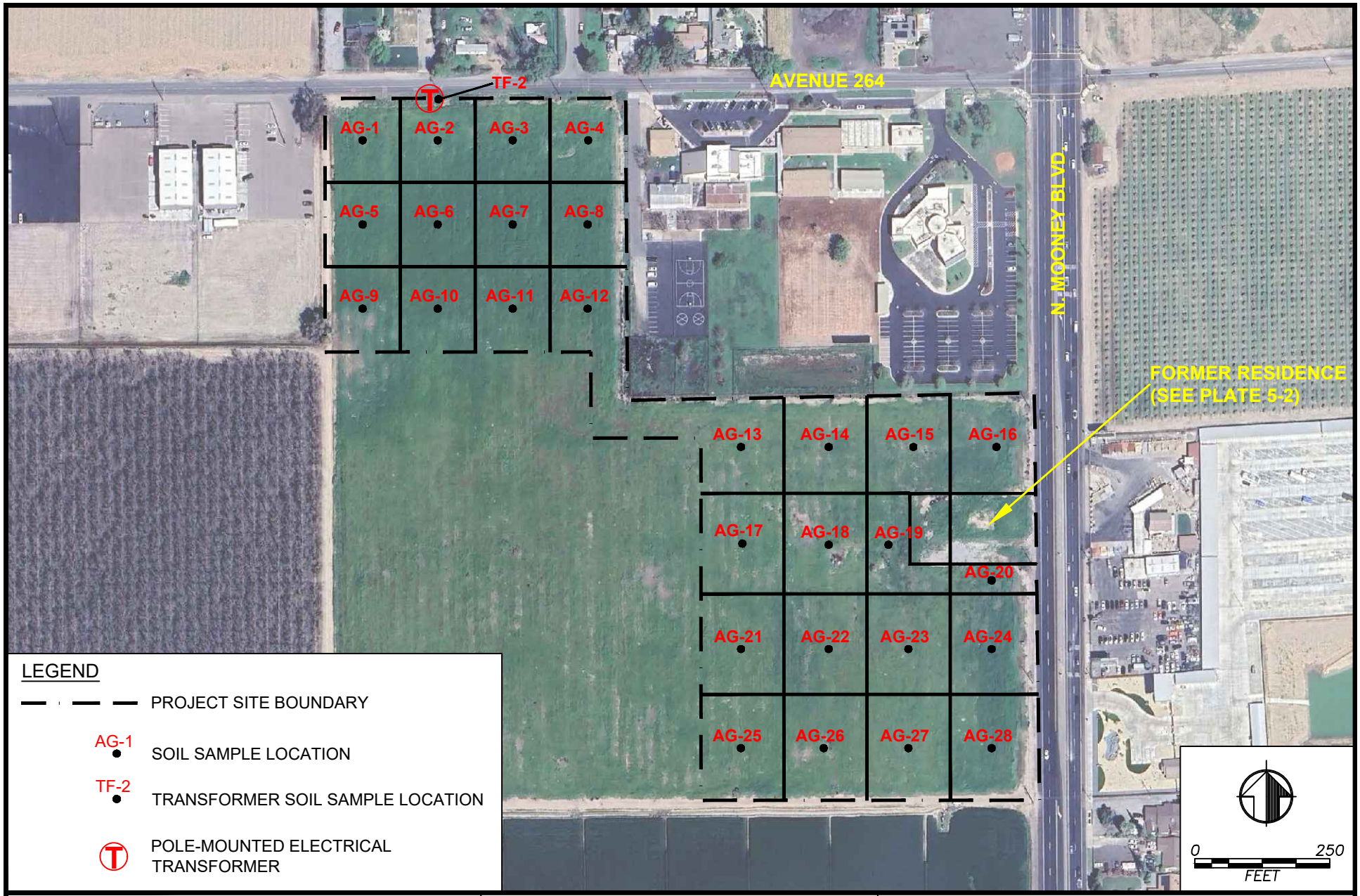
CS – composite sample by the laboratory.
AG – agriculture field sample
R – former residence sample
W – irrigation well sample
TF – electrical transformer sample

Table 5-3. Sample Collection Information

Sample Matrix and Test Method	Container	Preservative	Holding Time From Sample Collection to Extraction
Soil			
OCPs U.S. EPA Method 8081B	2-inch x 6-inch stainless steel sample sleeves and plastic end caps	Ice	14 days
Arsenic U.S. EPA Method 6020	2-inch x 6-inch stainless steel sample sleeves and plastic end caps	Ice	180 days
Lead U.S. EPA Method 6020	2-inch x 6-inch stainless steel sample sleeves and plastic end caps	Ice	180 days
PCBs U.S. EPA Method 8082	2-inch x 6-inch stainless steel sample sleeves and plastic end caps	Ice	14 days
Water			
Arsenic and Lead U.S. EPA Method 200.8	250 mL poly bottle	HNO_3 / Ice	180 days

Notes:

OCPs – organochlorine pesticides
PCBs – polychlorinated biphenyls
HNO_3 – Nitric Acid



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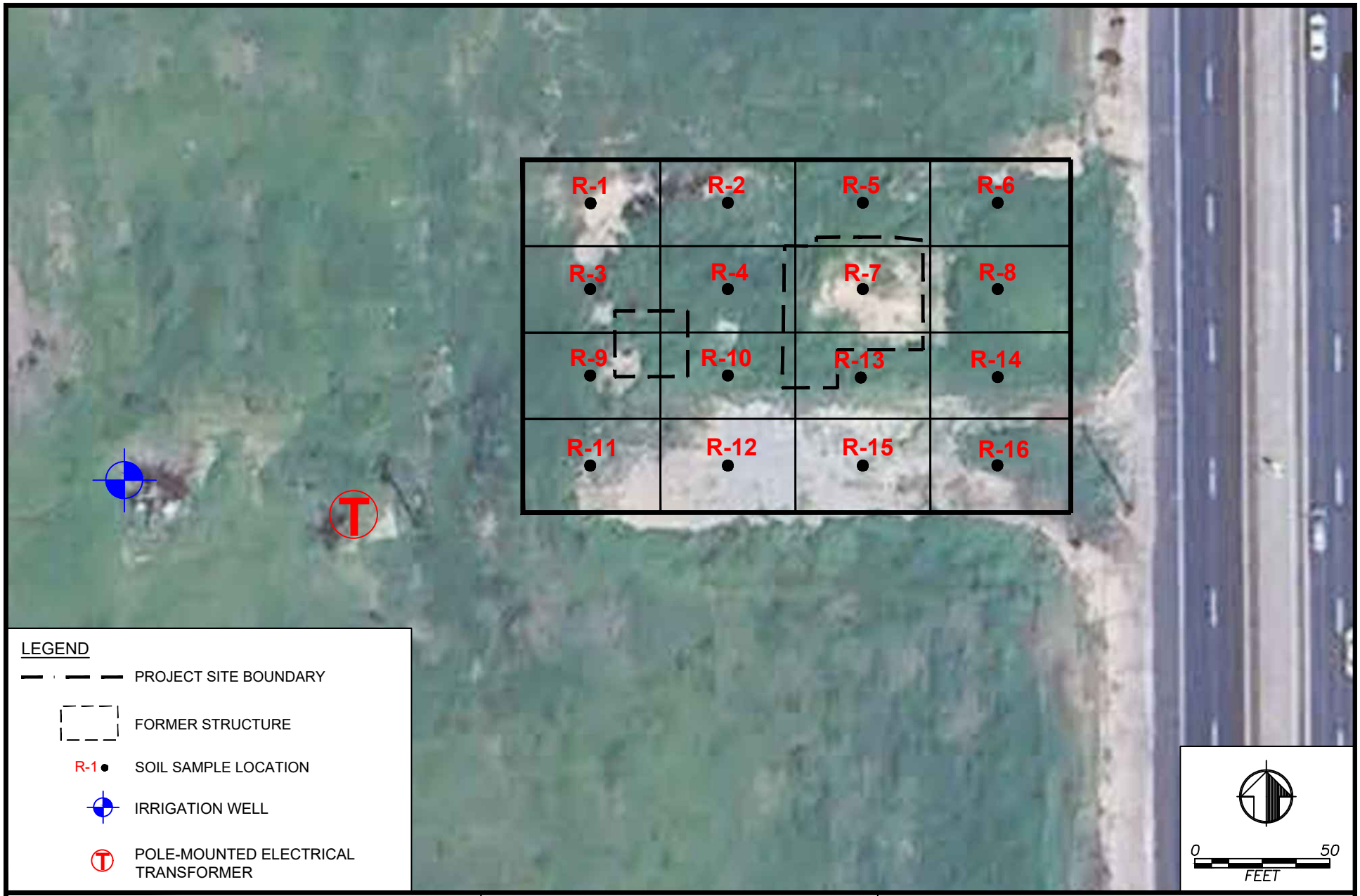
GOOGLE EARTH IMAGERY (3/25)

TCOE NEW SCHOOL FACILITY
26277 N. MOONEY BLVD.
VISALIA, TULARE COUNTY, CALIFORNIA

PROJECT NO.	DATE	DR. BY	APP. BY
2401-2581	9/25/25	AC	AJK

PLATE 5-1

SAMPLING PLAN
(Former Orchard)



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GOOGLE EARTH IMAGERY (3/25)

TCOE SCHOOL SITE
26277 N. MOONEY BLVD.
VISALIA, TULARE COUNTY, CALIFORNIA

PROJECT NO.	DATE	DR. BY	APP. BY
2401-2581	9/25/25	AC	AJK

PLATE 5-2

SAMPLING PLAN
(Former Residence)

LEGEND

- PROJECT SITE BOUNDARY
- W-1 — WELL PAD SOIL SAMPLE LOCATION
- T-1A — TRANSFORMER SOIL SAMPLE LOCATION
- IRRIGATION WELL
- POLE-MOUNTED ELECTRICAL TRANSFORMER

0 20
FEET

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GOOGLE EARTH IMAGERY (4/22)

TCOE NEW SCHOOL FACILITY
26277 N. MOONEY BLVD.
VISALIA, TULARE COUNTY, CALIFORNIA

PROJECT NO.	DATE	DR. BY	APP. BY
2401-2581	9/25/25	AC	AJK

PLATE 5-3

SAMPLING PLAN
(Well and Transformer)

6.0 FINDINGS

The following sections describe the results of the PEA field activities performed by Padre at the Project Site. The following subsections describe soil sample analytical results, locations, and depth intervals for soil samples collected at the Project Site.

The laboratory analytical results are summarized in **Tables 6-1** through **Table 6-5**. Certified analytical laboratory reports and chain-of-custody documentation are provided in **Appendix D**.

6.1 SOIL RESULTS – FORMER ORCHARD

Collected surface soil samples in the orchard area were analyzed for OCPs, arsenic, and lead.

6.1.1 OCPs

Results of the laboratory analyses are presented on **Plate 6-1**, in **Table 6-1** and summarized below:

- DDE was reported at concentrations ranging from less than 5.0 to 13 micrograms per kilogram (µg/kg);
- DDT was reported at concentrations ranging from less the 5.0 to 12 µg/kg; and
- No other OCPs were reported at or above their respective detection limits.

6.1.2 Arsenic

Results of the laboratory analyses are presented on **Plate 6-2**, in **Table 6-2** and summarized below:

- Arsenic was reported at concentrations ranging from 2.8 to 4.1 milligrams per kilogram (mg/kg).

6.1.3 Lead

Results of the laboratory analyses are presented on **Plate 6-2**, in **Table 6-2** and summarized below:

- Lead was reported at concentrations ranging from 6.2 to 9.0 mg/kg.

6.2 SOIL RESULTS – FORMER RESIDENCE BUILDINGS

Collected surface soil samples in the former residence buildings area were analyzed for OCPs and lead.

6.2.1 OCPs

Results of the laboratory analyses are presented on **Plate 6-3**, in **Table 6-1** and summarized below:

- Chlordane was reported at concentrations ranging from less than 50 to 83 µg/kg;
- DDD was reported at concentrations ranging from less than 5.0 to 41 µg/kg;
- DDE was reported at concentrations ranging from less than 5.0 to 480 µg/kg;
- DDT was reported at concentrations ranging from less 5.0 to 95 µg/kg; and
- No other OCPs were reported at or above their respective detection limits.

6.2.2 Lead

Results of the laboratory analyses are presented on **Plate 6-4** and **Plate 6-5**, in **Table 6-3** and summarized below:

- Lead was reported at concentrations ranging from 3.8 to 99 mg/kg.
- Lead was reported at concentrations ranging from 4.3 to 56 mg/kg in step-out soil samples.

6.3 SOIL RESULTS – IRRIGATION WELL

Collected surface soil samples from around the irrigation well were analyzed for OCPs, arsenic, and lead.

6.3.1 OCPs

Results of the laboratory analyses are presented in **Table 6-1** and summarized below:

- OCPs were not reported at or above their respective detection limits.

6.3.2 Arsenic

Results of the laboratory analyses are presented on **Plate 6-6**, in **Table 6-2** and summarized below:

- Arsenic was reported at concentrations ranged from 4.0 to 4.8 mg/kg;

6.3.3 Lead

Results of the laboratory analyses are presented on **Plate 6-6**, in **Table 6-2** and summarized below:

- Lead was reported at concentrations ranging from 7.0 to 8.9 mg/kg.

6.4 SOIL RESULTS – ELECTRICAL TRANSFORMERS

Collected surface soil samples from around the base of the pole-mounted electrical transformers for PCBs.

6.4.1 PCBs

Results of the laboratory analyses are presented in **Table 6-5** and summarized below:

- PCBs were not reported at or above their respective detection limits.

6.5 QA/QC SAMPLES

6.5.1 Equipment Blank

For each sampling event, distilled water was used as rinseate for decontaminating soil sampling equipment. The equipment blank sample was collected by pouring rinseate water over and through recently cleaned equipment and collected directly into the appropriate sample container.

The equipment blank sample was chemically analyzed for arsenic by U.S. EPA Method 200.8. Arsenic was not reported at or above the analytical reporting limit of 2.0 micrograms per liter (µg/L), and lead was not reported at or above the reporting limit of 5.0 µg/L.

6.5.2 Field Blank

For each sampling event, distilled water was used as rinseate for decontaminating sampling equipment. The field blank sample was collected by pouring rinseate water into the appropriate sample container.

The field blank sample was chemically analyzed for arsenic by U.S. EPA Method 200.8. Arsenic was not reported at or above the analytical reporting limit of 2.0 micrograms per liter (µg/L), and lead was not reported at or above the reporting limit of 5.0 µg/L.

6.6 LABORATORY QA/QC and DATA VALIDATION

Enthalpy Analytical (Enthalpy) located in Orange, California provided the required chemical analyses for soil and water samples collected at the Project Site. Enthalpy is certified (No. 1338) by the State of California Environmental Laboratory Accreditation Program (ELAP) Branch to provide the required chemical analyses.

A cover letter with the signature of the lab director of Enthalpy accompanies every laboratory report received for this project. According to the lab director, samples were analyzed utilizing U.S. EPA or other ELAP approved methodologies, and that the results are in compliance both technically and for completeness. The data quality objectives (DQO) met by the laboratory for this project were level II.

6.6.1 Precision

Precision measures the reproducibility of repetitive measurements. It is strictly defined as the degree of mutual agreement among independent measurements as the result of repeated application of the sample process under similar conditions.

Analytical precision is a measurement of the variability associated with duplicate or replicate analyses of the same sample in the laboratory and is determined by analysis of laboratory quality control samples such as duplicate control samples (LCSD or DCS), matrix spike duplicates (MSD), or sample duplicates. If the recoveries of analytes in the specified control samples are comparable within established control limits, then precision is within limits.

Total precision is a measurement of the variability associated with the entire sampling and analytical process. It is determined by analysis of duplicate or replicate field samples, and measures variability introduced by other than laboratory and field operations. Field duplicate samples are analyzed to assess field and analytical precision.

Duplicate results are assessed using the relative percent difference (RPD) between duplicate measurements. If the RPD for laboratory quality control samples exceeds 30 percent, data shall be qualified as described in the applicable validation procedure. If the RPD between primary and duplicate field samples exceeds 100 percent for soil, data shall be qualified as described in the applicable validation procedure. The RPD shall be calculated as follows:

$$\% \text{ RPD} = 100\% \times \frac{\text{Abs}(X_2 - X_1)}{\text{Avg}(X_2 + X_1)}$$

Where X_2 is the larger of the two observed values, and X_1 is the smaller of the two observed values. The RPDs for selected original and duplicate soil samples are calculated in the following tables.

OCPs

Sample Identification	Chlordane	DDD	DDE	DDT	Dieldrin
CS-2	<50	<4.9	<5.0	<5.0	<5.0
CS-2 (duplicate)	<51	<5.0	<5.1	<5.1	<5.1
|RPD (%)|	**0**	**0**	**0**	**0**	**0**
Within Acceptable Range	Yes	Yes	Yes	Yes	Yes
CS-9	<50	<5.0	<5.0	<5.0	<5.0
CS-9 (duplicate)	<50	<5.0	<5.0	<5.0	<5.0
|RPD (%)|	**0**	**0**	**0**	**0**	**0**
Within Acceptable Range	Yes	Yes	Yes	Yes	Yes
CS-13	<51	<5.1	<5.1	<5.1	<5.1
CS-13 (duplicate)	<51	<5.1	<5.1	<5.1	<5.1
|RPD (%)|	**0**	**0**	**0**	**0**	**0**
Within Acceptable Range	Yes	Yes	Yes	Yes	Yes

Arsenic and Lead

Sample Identification	Arsenic	Lead
AG-11 (SURF)	--	6.5
AG-11 (SURF) Dupe	--	6.3
|RPD (%)|	**--**	**3.1**
Within Acceptable Range	Yes	Yes
AG-22 (SURF)	2.9	--
AG-22 (SURF) Dupe	2.8	--
|RPD (%)|	3.5	**--**
Within Acceptable Range	Yes	Yes
R-10 (SURF)	--	51
R-10 (SURF) Dupe	--	54
|RPD (%)|	**--**	**5.7**
Within Acceptable Range	Yes	Yes
R-10 (2-2.5')	--	4.5
R-10 (2-2.5') Dupe	--	4.3
|RPD (%)|	**--**	**4.5**
Within Acceptable Range	Yes	Yes
R-13 (SURF)	--	8.3
R-13 (SURF) Dupe	--	9.7
|RPD (%)|	--	**15.6**
Within Acceptable Range	Yes	Yes
R-13 (2-2.5')	--	4.2
R-13 (2-2.5') Dupe	--	4.3
|RPD (%)|	--	**2.4**
Within Acceptable Range	Yes	Yes

The RPDs for the original and duplicate constituents are acceptable.

6.6.2 Accuracy

Accuracy of laboratory analyses was by laboratory control samples, surrogate standards, matrix spikes, and initial and continuing calibrations of instruments. Laboratory accuracy is expressed as the percent recovery (%R). Accuracy limits are statistically generated by the laboratory or required by specified EPA methods. If the percent recovery is determined to be outside of acceptance criteria, the data was qualified. The percent recovery was calculated as follows:

$$\%R = 100 \times \frac{X_s - X}{T}$$

where X_s is the measured value of the spike sample, X is measured value of the unspiked sample, and T is the true value of the spiked solution.

In general recoveries were within acceptance limits; however, if recoveries were outside of acceptance criteria, the data was qualified by the analytical laboratory.

6.6.3 Representativeness

Representativeness is the degree to which data accurately and precisely represent selected characteristics of the media sampled. Representiveness of data collection is addressed by the preparation of sampling and analyses programs. The PEA investigation had sufficient and the proper number of sample locations; incorporated the proper sampling methodologies; utilized the proper sample collection techniques and decontamination procedures; utilized the proper laboratory methods to prepare and analyze soil/water samples; and performed proper field and laboratory QA/QC protocols.

6.6.4 Completeness

Completeness is the amount of valid data obtained compared to the amount that was expected under ideal conditions. The number of valid results divided by the number of possible results, expressed as a percentage, determines the completeness of the data set. The objective for completeness is to recover at least 90 percent of the planned data to support field efforts. The formula for is completeness is presented below:

$$\% \text{ Completeness} = 100 \times \frac{\textit{number of valid results}}{\textit{number of expected results}}$$

The analytical data for the soil and water samples is 100% complete.

6.6.5 Comparability

Comparability is an expression of confidence with which one data set can be compared to another data set. The objective of comparability is to ensure that data developed during the PEA investigation are comparable to site knowledge and adequately address applicable criteria or standards established by DTSC or the U.S. EPA. The laboratory methods that were utilized during this PEA investigation are consistent with the current standards of practice as approved by the DTSC and the USEPA.

6.6.6 Reporting Limits

Laboratory detection limits for the proposed analytical methods were presented in the PEA Workplan dated August 2025 and approved by DTSC. The detection limits for OCPs, arsenic, lead and PCBs were met by the analytical laboratory. .

6.6.7 Chain-of-Custody

Completed chain-of-custody forms were provided with the samples upon sample delivery to Enthalpy. Copies of the chain-of-custody (COC) forms were included in the final analytical report. The analytical laboratory noted that for two soil samples the time of collection listed on

the COC differed from time of collection identified on the sample container. In addition, the date of sample collection listed on the COC for four soil samples differed from the date of sample collection identified on the sample containers. These issues were corrected based on the sample date/time listed on the sample container.

6.6.8 Holding Time(s)

All soil and water analyses requested from the analytical laboratory (Enthalpy) were performed within the method-specific holding times.

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Table 6-1: Soil Results for OCPs
(results in µg/kg)

Sample Identification	Date Collected	Depth (feet)	Aldrin	alpha-BHC	beta-BHC	delta-BHC	Gamma-BHC	Chlordane-technical	DDD	DDE	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene
Former Orchard																						
CS-1 (AG-1, -2, -3, -4)	8-27-25	0-0.5'	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<100
CS-2 (AG-5, -6, -7, -8)	8-27-25	0-0.5'	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	<99
CS-2 (AG-5, -6, -7, -8) Dupe	8-27-25	0-0.5'	<5.1	<5.1	<5.1	<5.1	<5.1	<51	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<100
CS-3 (AG-9, -10, -11, -12)	8-27-25	0-0.5'	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<100
CS-4 (AG-13, -14, -15, -16)	8-27-25	0-0.5'	<5.1	<5.1	<5.1	<5.1	<5.1	<51	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<100
CS-5 (AG-17, -18, -19, -20)	8-27-25	0-0.5'	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	<99
CS-6 (AG-21, -22, -23, -24)	8-27-25	0-0.5'	<5.1	<5.1	<5.1	<5.1	<5.1	<51	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<100
CS-7 (AG-25, -26, -27, -28)	8-27-25	0-0.5'	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	**13**	**12**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	<99
Former Residence Area																						
CS-8 (R-1, -2, -3, -4)	8-26-25	0-0.5'	<5.1	<5.1	<5.1	<5.1	<5.1	<51	**9.3**	**15**	**22**	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<100
CS-9 (R-5, -6, -7, -8)	8-26-25	0-0.5'	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<100
CS-9 (R-5, -6, -7, -8) Dupe	8-26-25	0-0.5'	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	<99
CS-10 (R-9, -10, -11, -12)	8-26-25	0-0.5'	<5.1	<5.1	<5.1	<5.1	<5.1	**83**	**41**	**480**	**95**	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<100
CS-11 (R-13, -14, -15, -16)	8-26-25	2-2.5'	<5.1	<5.1	<5.1	<5.1	<5.1	<51	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<100
CS-12 (R-1, -2, -3, -4)	8-26-25	2-2.5'	<5.1	<5.1	<5.1	<5.1	<5.1	<51	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<100
CS-13 (R-5, -6, -7, -8)	8-26-25	2-2.5'	<5.1	<5.1	<5.1	<5.1	<5.1	<51	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<100
CS-13 (R-5, -6, -7, -8) Dupe	8-26-25	2-2.5'	<5.1	<5.1	<5.1	<5.1	<5.1	<51	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<100
CS-14 (R-9, -10, -11, -12)	8-26-25	2-2.5'	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	<99
CS-15 (R-13, -14, -15, -16)	8-26-25	2-2.5'	<5.1	<5.1	<5.1	<5.1	<5.1	<51	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<100
Irrigation Well																						
CS-16 (W-1, -2, -3, -4)	8-27-25	0-0.5'	<4.9	<4.9	<4.9	<4.9	<4.9	<49	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.8	<98
SL			39	86	300	3.8[(a)]	570	1,700	1,900	2,000	1,900	34	450,000[(b)]	450,000[(b)]	380,000	19,000	19,000[(c)]	19,000[(c)]	130	70	320,000	450
4:1 COMP			10	22	75	1.0	143	425	475	500	475	9	112,500	112,500	95,000	4,750	4,750	4,750	33	18	80,000	113

Notes:
µg/kg –micrograms per kilogram
SL - HHRA Note #3, Table 1 - DTSC-Recommended Screening Level (Revised April 2025)
NE – Not established
(a) - USEPA Regional Screening Level (November 2024)
(b) – Screening Level for Endosulfan (HHRA Note #3, Revised April 2025)
(c) – Screening Level for Endrin (HHRA Note #3, Revised April 2025)

Table 6-2: Soil Results for Arsenic and Lead (results in mg/kg)

Sample Identification	Date Collected	Depth (feet)	Arsenic	Lead
Former Orchard				
AG-1	8-27-25	0-0.5’	**3.3**	**6.2**
AG-6	8-27-25	0-0.5’	**4.1**	**6.8**
AG-11	8-27-25	0-0.5’	**3.6**	**6.5**
AG-11 DUPE	8-27-25	0-0.5’	**--**	**6.3**
AG-14	8-27-25	0-0.5’	**3.7**	**7.0**
AG-17	8-27-25	0-0.5’	**3.9**	**6.5**
AG-22	8-27-25	0-0.5’	**2.9**	**7.1**
AG-22 DUPE	8-27-25	0-0.5’	**2.8**	--
AG-27	8-27-25	0-0.5’	**3.2**	**9.0**
Irrigation Well				
W-1	8-26-25	0-0.5’	**4.0**	**7.0**
W-2	8-26-25	0-0.5’	**4.8**	**8.9**
W-3	8-26-25	0-0.5’	**4.3**	**8.5**
W-4	8-26-25	0-0.5’	**4.2**	**8.9**
Project Site Range			2.8 – 4.8	6.2 – 9.0
Background Site Range			4.5 – 7.1[A]	--
Screening Level				80[B]

Notes:

mg/kg – milligrams per kilogram
-- Not analyzed
A – Blue Oak Academy school site PEA (Envirostor Number 60003134)
B – DTSC’s residential screening level based on LeadSpread Ver. 9

Table 6-3: Soil Results for Lead
(results in mg/kg)

Sample Identification	Date Collected	Depth (feet)	Lead
Former Residence Area			
R-1	8-26-25	0-0.5’	**17**
R-1	8-26-25	2-2.5’	**4.5**
R-2	8-26-25	0-0.5’	**11**
R-2	8-26-25	2-2.5’	**4.6**
R-3	8-26-25	0-0.5’	**26**
R-3	8-26-25	2-2.5’	**5.6**
R-4	8-26-25	0-0.5’	**18**
R-4	8-26-25	2-2.5’	**4.7**
R-5	8-26-25	0-0.5’	**4.6**
R-5	8-26-25	2-2.5’	**26**
R-6	8-26-25	0-0.5’	**11**
R-6	8-26-25	2-2.5’	**4.2**
R-7	8-26-25	0-0.5’	**3.8**
R-7	8-26-25	2-2.5’	**4.3**
R-8	8-26-25	0-0.5’	**13**
R-8	8-26-25	2-2.5’	**5.2**
R-9	8-26-25	0-0.5’	**25**
R-9	8-26-25	2-2.5’	**4.6**
R-10	8-26-25	0-0.5’	**51**
R-10 Dupe	8-26-25	0-0.5’	**54**
R-10	8-26-25	2-2.5’	**4.5**
R-10 Dupe	8-26-25	2-2.5’	**4.3**
R-11	8-26-25	0-0.5’	**99**
R-11	8-26-25	2-2.5’	**5.3**
Step-out Soil Samples			
R-11	9-11-25	1-1.5’	**4.3**
R-11A	9-11-25	0-0.5’	**55**
R-11B	9-11-25	0-0.5’	**54**
R-11C	9-11-25	0-0.5’	**56**
R-11D	9-11-25	0-0.5’	**31**
		Screening Level	80[A]

Notes:

mg/kg – milligrams per kilogram
XX – above screening level
A – DTSC’s residential screening level based on LeadSpread Ver. 9

Table 6-3: Soil Results for Lead (continued)
(results in mg/kg)

Sample Identification	Date Collected	Depth (feet)	Lead
Former Residence Area			
R-12	8-26-25	0-0.5’	**16**
R-12	8-26-25	2-2.5’	**4.1**
R-13	8-26-25	0-0.5’	**8.3**
R-13 Dupe	8-26-25	0-0.5’	**9.7**
R-13	8-26-25	2-2.5’	**4.2**
R-13 Dupe	8-26-25	2-2.5’	**4.2**
R-14	8-26-25	0-0.5’	**18**
R-14	8-26-25	2-2.5’	**4.3**
R-15	8-26-25	0-0.5’	**6.8**
R-15	8-26-25	2-2.5’	**4.0**
R-16	8-26-25	0-0.5’	**15**
R-16	8-26-25	2-2.5’	**4.4**
		Screening Level	80[A]

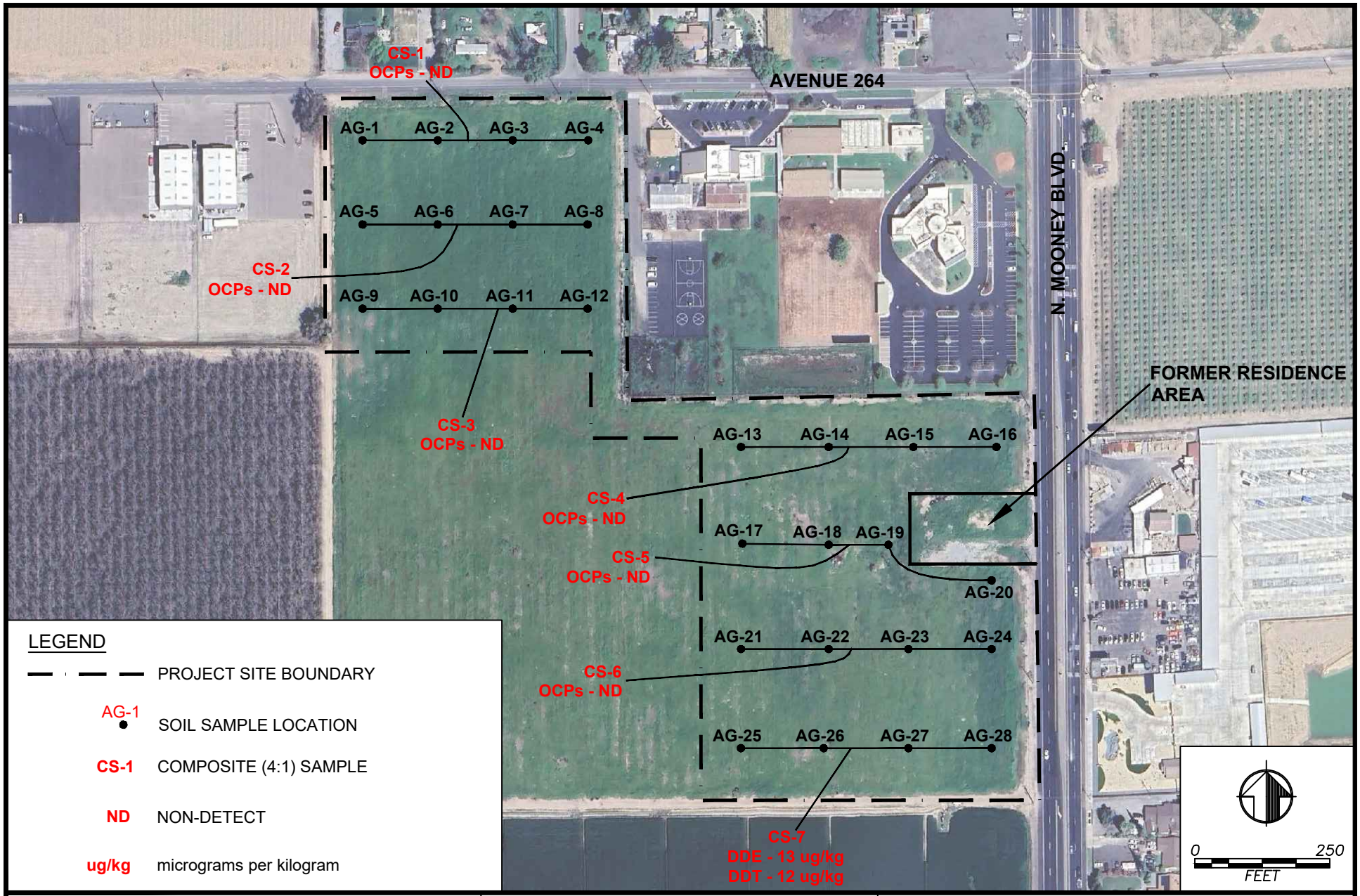
Notes:

mg/kg – milligrams per kilogram
-- Not analyzed
A – DTSC’s residential screening level based on LeadSpread Ver. 9

Table 6-4: PCBs in Soil
(results in mg/kg)

Sample Identification	Date Collected	Depth (feet)	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	PCBs Total
TF-1A	8-27-25	0-0.5’	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TF-1B	8-27-25	0-0.5’	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TF-2	8-27-25	0-0.5’	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051
SL			6.6	0.20	0.17	0.23	0.23	0.24	0.24	0.23

Notes:
PCBs – Polychlorinated biphenyls
mg/kg – milligrams per kilogram
SL – HHRA Note #3, Table 1 - DTSC-Recommended Screening Level (Revised April 2025)



padre associates
ENGINEERS, GEOLOGISTS & ENVIRONMENTAL SCIENTISTS

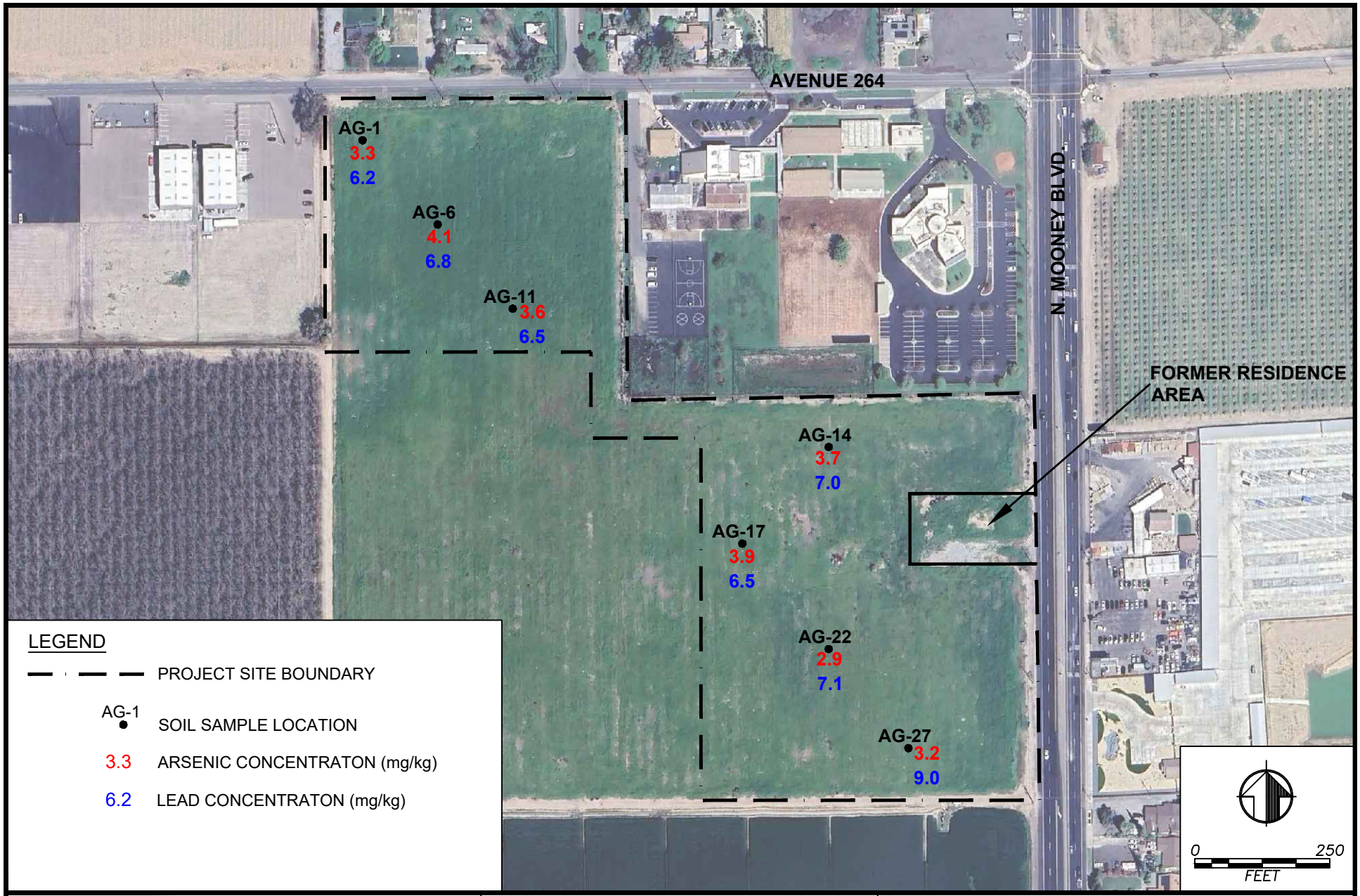
GOOGLE EARTH IMAGERY (3/25)

TCOE NEW SCHOOL FACILITY
26277 N. MOONEY BLVD.
VISALIA, TULARE COUNTY, CALIFORNIA

PROJECT NO.	DATE	DR. BY	APP. BY
2401-2581	9/25/25	AC	AJK

PLATE 6-1

OCP RESULTS
(Former Orchard)



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GOOGLE EARTH IMAGERY (3/25)

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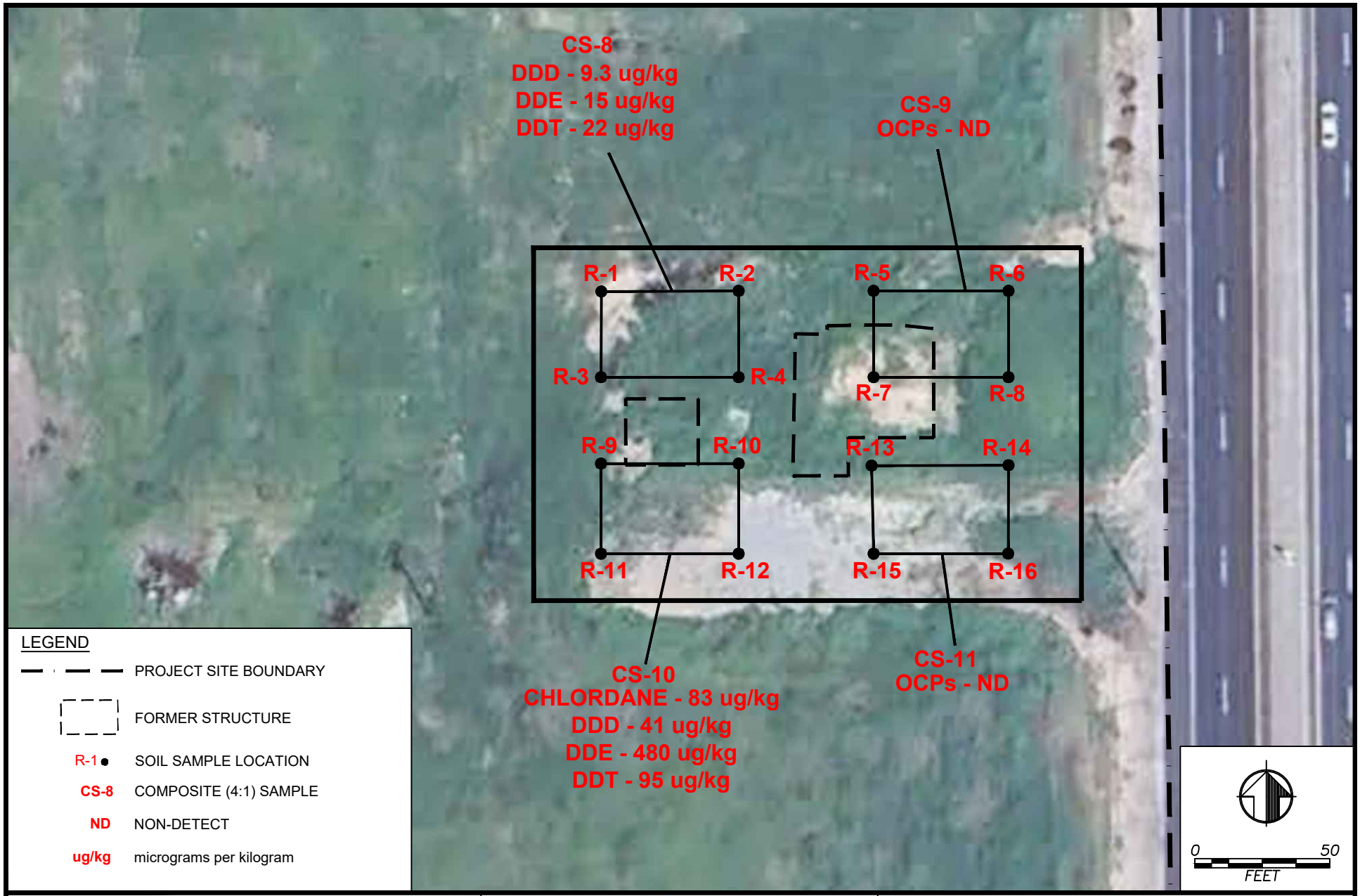
VISALIA, TULARE COUNTY, CALIFORNIA

PROJECT NO.	DATE	DR. BY	APP. BY
2401-2581	9/25/25	AC	AJK

PLATE 6-2

ARSENIC AND LEAD RESULTS
(Former Orchard)



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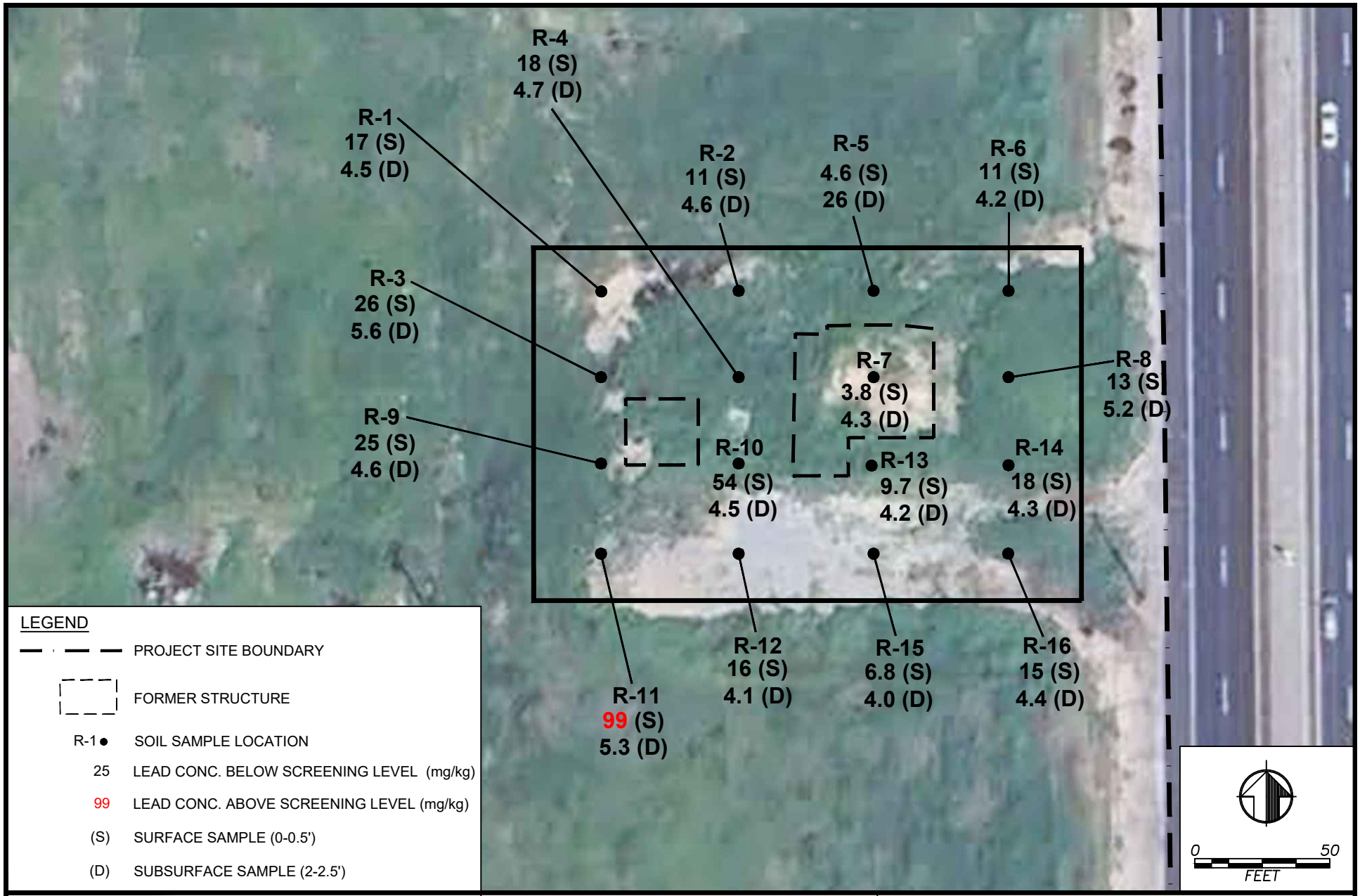
GOOGLE EARTH IMAGERY (3/25)

TCOE SCHOOL SITE
26277 N. MOONEY BLVD.
VISALIA, TULARE COUNTY, CALIFORNIA

PROJECT NO.	DATE	DR. BY	APP. BY
2401-2581	9/25/25	AC	AJK

PLATE 6-3

OCP RESULTS
(Former Residence)



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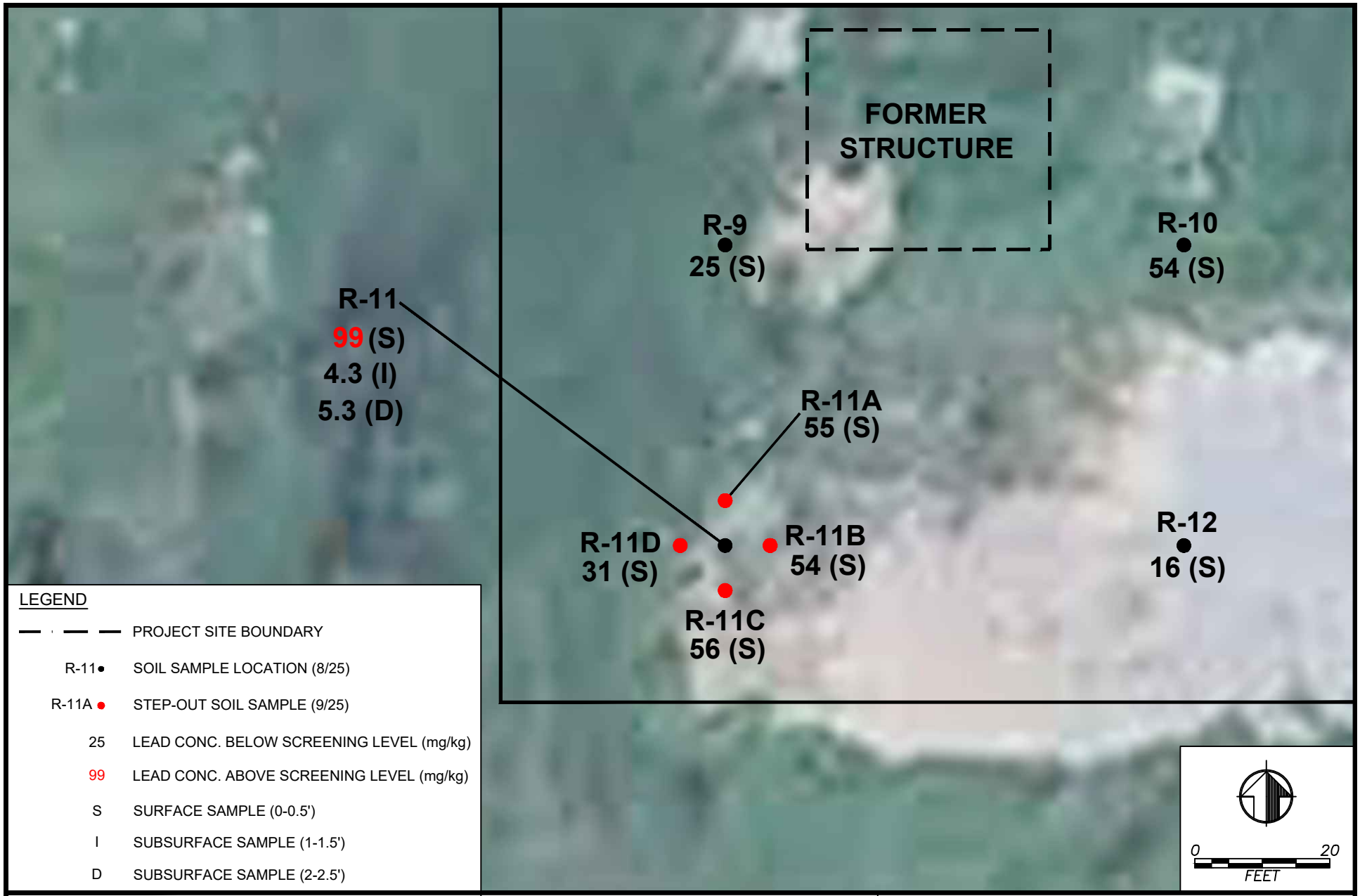
GOOGLE EARTH IMAGERY (3/25)

TCOE SCHOOL SITE
26277 N. MOONEY BLVD.
VISALIA, TULARE COUNTY, CALIFORNIA

PROJECT NO.	DATE	DR. BY	APP. BY
2401-2581	9/25/25	AC	AJK

PLATE 6-4

LEAD RESULTS
(Former Residence)



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GOOGLE EARTH IMAGERY (3/25)

TCOE SCHOOL SITE
26277 N. MOONEY BLVD.
VISALIA, TULARE COUNTY, CALIFORNIA

PROJECT NO.	DATE	DR. BY	APP. BY
2401-2581	9/25/25	AC	AJK

PLATE 6-5

LEAD RESULTS
(R-11 STEP-OUT SAMPLES)

LEGEND

- PROJECT SITE BOUNDARY
- W-1 WELL PAD SOIL SAMPLE LOCATION
- IRRIGATION WELL
- T POLE-MOUNTED ELECTRICAL TRANSFORMER
- 4.0 ARSENIC CONCENTRATON (mg/kg)
- 7.0 LEAD CONCENTRATON (mg/kg)

0 20
FEET

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GOOGLE EARTH IMAGERY (4/22)

TCOE NEW SCHOOL FACILITY
26277 N. MOONEY BLVD.
VISALIA, TULARE COUNTY, CALIFORNIA

PROJECT NO.	DATE	DR. BY	APP. BY
2401-2581	9/26/25	AC	AJK

PLATE 6-6

ARESENIC AND LEAD RESULTS
(Irrigation Well)

7.0 HUMAN HEALTH SCREENING-LEVEL EVALUATION

7.1 CHEMICALS OF POTENTIAL CONCERN

Based on the laboratory analytical results for soil samples collected at the Project Site, the following chemicals of potential concern (COPC) were evaluated for risk assessment purposes:

- OCPs – Chlordane, DDD, DDE, and DDT
- Metals – Arsenic and Lead

7.2 SOIL RISK ASSESSMENT

The DTSC-modified screening levels provided in Human Health Risk Assessment (HHRA) Note 3 dated June 2020 (revised May 2022) were used to conduct a screening-level human health risk assessment using the residential land-use scenario. Carcinogenic screening levels are typically based on a predicted excess long-term cancer risk of one in a million. Non-carcinogenic screening levels are based on maintaining the daily COPC intake below the level at which deleterious health effects are considered possible.

In accordance with PEA guidance documents and DTSC's HHRA Note No. 4, dated May 2019, chemical concentrations in soil detected were evaluated as potential exposure point concentrations (EPCs). The maximum EPCs for the COPC were evaluated.

The EPCs were compared to their respective screening levels. The ratio of an EPC to the corresponding carcinogenic screening level was multiplied by 1E-06 to estimate the chemical-specific screening cancer risk. For noncarcinogens, the chemical-specific hazard index is the ratio of the EPC to the screening level based on noncarcinogenic effects. The risk screening equations are as follows:

For each carcinogenic chemical:

$$\frac{\text{Maximum Detected Concentration}}{\text{Screening Level}} \times 10^{-6} = \text{Cancer Risk}$$

For each non-carcinogenic chemical:

$$\frac{\text{Maximum Detected Concentration}}{\text{Screening Level}} = \text{Hazard Quotient}$$

The sums of the chemical-specific screening cancer risk and screening hazard index are the cumulative screening cancer risk and hazard index, respectively.

The total estimated risk from OCPs identified in soils is estimated to be 3.6×10^{-7}, which does not provide an increased cancer risk of greater than 1 in 1,000,000 ($>10^{-6}$). The total health hazard from OCPs identified in soils is estimated to be 0.05 which does not present an increased health hazard (i.e., >1). The results of the screening-level evaluation are presented in **Table 7-1**.

Arsenic concentrations identified in soil at the Project Site ranged from 2.8 to 4.8 mg/kg. Arsenic concentrations were compared to an arsenic data set from a school site located approximately 4.5 miles northeast from the Project Site. The background school site is referenced as Blue Oak Academy (Envirostor ID No. 60003134), and arsenic concentrations in soil ranged from 4.5 to 7.1 mg/kg. Arsenic concentrations identified in surface soil at the Project Site are comparable to background concentrations. A copy of the background arsenic concentrations is presented in **Appendix E**.

Lead concentrations identified in soil related to former agricultural activities ranged from 6.2 to 9.0 mg/kg. Except for one soil sample, lead concentrations identified in soil related to the former residential structures ranged from 3.8 to 54 mg/kg. One soil sample located at the area of the former residential structures was reported with a lead concentration of 99 mg/kg, which exceeds DTSC's residential screening level of 80 mg/kg. Therefore, step-out soil samples were collected at this location. The lead in soil concentrations of the step-out samples ranged from 4.3 to 56 mg/kg.

The 95% upper confidence limit (UCL) for lead in soil at the location of the former residential structures was estimated to 23 mg/kg. Using 23 mg/kg as the input concentration, a risk assessment was performed using DTSC's lead risk assessment spreadsheet model (*LeadSpread Version 9*). Based on the LeadSpread output, exposure to the lead concentrations detected at the Project Site will result in a 90th percentile blood lead concentration of 0.3 micrograms per deciliter (µg/dl) in children which is below the California Office of Environmental Health Hazard Assessment (OEHHA) blood toxicity level of 1 µg/dl. A copy of the 95% UCL output sheet and the LeadSpread Risk Assessment Spreadsheet is presented in **Appendix F**.

7.3 UNCERTAINTY ANALYSIS

The human health screening evaluation required the use of several generic and site-specific assumptions regarding the representativeness of sampling data, environmental fate and transport, human exposures, chemical toxicity, and associated cancer and noncancerous health risks. These assumptions are discussed below.

Factors possibly contributing to overestimation of the health risks include the following:

- The predicted risks and hazards are based on the maximum COC concentrations detected in the on-site soil samples that were collected during this PEA. Actual exposures for humans at the site would likely be at lower concentrations than the maximum most of the time.
- The evaluation assumed no degradation of COCs over time.
- Numerous assumptions related to human exposure are built into the calculations used for the screening evaluation. These assumptions include factors such as soil ingestion rates, potential dermal exposure to soil, dust generation rates, daily breathing rates, human activity patterns, and time spent on site. Each assumed value is typically conservative for a generic person.

Factors possibly contributing to underestimation of the health risks include the following:

- Sample locations were selected with the objective of finding elevated concentrations, if present, but there is a possibility that other locations are present at the Project Site that have higher COC concentrations than the locations that were sampled as part of this PEA.
- The screening evaluation assumed that risks resulting from simultaneous exposure to multiple COCs is additive. It is possible that simultaneous exposure to multiple chemicals may result in synergistic effects, where certain chemicals magnify the toxicity of other chemicals.

As discussed above the majority of the assumptions for the human health screening evaluation were conservative in nature. The use of conservative assumptions tends to produce overestimates of risk. Although it is difficult to quantify the uncertainties associated with the assumptions used, the compounding relationship of the series of assumptions involved in the screening evaluation most likely creates an overestimate of health risks at the Project Site.

Table 7-1
Soil Exposure Screening Evaluation
TCOE New School Facility
Visalia, Tulare County, California

COC	EPC (mg/kg)	Carcinogenic Risk			Non-carcinogenic Hazard		
		Screening Level (mg/kg)	Source	Ratio of EPC to Screening Level	Screening Level (mg/kg)	Source	Ratio of EPC to Screening Level
Chlordane	0.083	1.7	SL	4.9E-02	35	SL	2.4E-03
DDD	0.041	2.3	SL	1.8E-02	1.9	SL	2.2E-02
DDE	0.48	2	SL	2.4E-01	23	SL	2.1E-02
DDT	0.095	1.9	SL	5.0E-02	37	SL	2.6E-03
			Total Risk ($x10^{-6}$):	**3.6E-07**	**Total Hazard:**		**4.7E-02**

Notes:
COC = chemical of concern
EPC = Exposure Point Concentration (maximum concentration detected in soil)
mg/kg = milligrams per kilogram
SL - Human Health Risk Assessment (Table 1 - DTSC-Recommended Screening Levels for Soil, June 2020 - Revised April 2025)
nc - non-carcinogenic
NA - Not Applicable

8.0 ECOLOGICAL SCREENING

Based on a review of aerial photographs, the Project Site has been in agriculture-use since at least 1937 which included a residential building along the eastern Project Site boundary. The residential structures were removed in August 2024, and the remaining areas of the Project Site consist of fallow agricultural land. There are no distinct native habitats or "unmanaged" landscape areas present at the Project Site. Therefore, there is no identified significant pathway of exposure to sensitive non-human receptors at the Project Site.

9.0 CONCLUSIONS AND RECOMMENDATIONS

The purpose of the PEA was to establish whether a release or potential release of hazardous substances, which potentially pose a threat to human health via ingestion, dermal contact, and inhalation exposure pathways, exists at the Project Site.

Evaluation

Based on the laboratory analytical results for soil samples collected at the Project Site, the following COPC were evaluated for risk assessment purposes:

- OCPs – Chlordane, DDD, DDE, and DDT
- Metals – Arsenic and Lead

Risk Assessment

The total estimated risk from OCPs identified in soils is estimated to be 3.6×10^{-7}, which does not provide an increased cancer risk of greater than 1 in 1,000,000 ($>10^{-6}$). The total health hazard from OCPs identified in soils is estimated to be 0.05 which does not present an increased health hazard (i.e., >1).

Arsenic concentrations identified in soil at the Project Site ranged from 2.8 to 4.8 mg/kg. Arsenic concentrations were compared to an arsenic data set from a school site located approximately 4.5 miles northeast from the Project Site. The background school site is referenced as Blue Oak Academy (Envirostor ID No. 60003134), and arsenic concentrations in soil ranged from 4.5 to 7.1 mg/kg. Arsenic concentrations identified in surface soil at the Project Site are comparable and further assessment or remedial action for arsenic in soil is not warranted.

Lead concentrations identified in soil related to former agricultural activities ranged from 6.2 to 9.0 mg/kg. Except for one soil sample, lead concentrations identified in soil related to the former residential structures ranged from 3.8 to 54 mg/kg. One soil sample located at the area of the former residential structures was reported with a lead concentration of 99 mg/kg, which exceeds DTSC's residential screening level of 80 mg/kg. Therefore, step-out soil samples were collected at this location. The lead in soil concentrations of the step-out samples ranged from 4.3 to 56 mg/kg.

The 95% upper confidence limit (UCL) for lead in soil at the location of the former residential structures was estimated to 23 mg/kg. Using the 95% UCL of 23 mg/kg in soil at the location of the former residential structures as the input concentration, a risk assessment was performed using DTSC's lead risk assessment spreadsheet model (*LeadSpread Version 9*). Based on the LeadSpread output, exposure to the lead concentrations detected at the Project Site will result in a 90th percentile blood lead concentration of 0.3 µg/dl in children which is below the OEHHA blood toxicity level of 1 µg/dl.

Recommendations

Based on the findings of the PEA, the Project Site has not been adversely impacted by historic or current land-use activities. Therefore, Padre recommends the issuance of a "No Further Action" designation from the DTSC regarding the TCOE New School Facility.

10.0 REFERENCES

California Department of Public Health, Indoor Radon Program (https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/EMB/Radon/Radon.aspx)

CalEPA, Department of Toxic Substances Control (DTSC), Envirostor Database, (https://www.envirostor.dtsc.ca.gov/public/).

_____, DTSC, *Human Health Risk Assessment (HHRA) Note 3: DTSC-modified Screening Levels (DTSC-SLs)*, Released June 2020 – Revised April 2025.

_____, DTSC, *Human Health Risk Assessment (HHRA) Note 4: Screening Level Human Health Risk Assessments*, Revised March 2022.

_____, DTSC, *Interim Guidance, Evaluation of School Sites with Potential Contamination as a Result of Lead from Lead-Based-Paint, Organochlorine Pesticides from Termiticides, and Polychlorinated Biphenyls from Electrical Transformers*, revised June 9, 2006.

_____, DTSC – *Interim Guidance for Sampling Agricultural Soils (Third Revision)*, August 7, 2008.

_____, DTSC, *Preliminary Environmental Assessment Guidance Manual*, January 1994, (Revised October 2015).

California Department of Water Resources (https://wdl.water.ca.gov/).

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Norris, R. M., & R. W. Webb, 1976 (Second Edition 1990), *Geology of California*, John Wiley & Sons, New York, pp. 412-427.

Padre Associates Inc., *Preliminary Environmental Assessment, Blue Oak Academy Expansion Project, 28050 Road 148, Visalia, Tulare County, California (Site Code: 104827)* October 2021.

Padre Associates Inc., *Preliminary Environmental Assessment Workplan, TCOE New School Facility, 26277 North Mooney Boulevard, Visalia, Tulare County, California (Site Code: 104909)* August 2025.

Tulare, County of, Assessor's Office.

United State Department of Agriculture, National Resources Conservation Service, Soil Survey of Tulare County, California - Western Part, 2003.

U.S. EPA, *Regional Screening Levels (Region 9 RSLs)*, November 2024.

APPENDIX A
DTSC CORRESPONDENCE

Department of Toxic Substances Control

Yana Garcia
Secretary for
Environmental Protection

Katherine M. Butler, MPH, Director
8800 Cal Center Drive
Sacramento, California 95826-3200

Gavin Newsom
Governor

https://dtsc.ca.gov/

Sent Via Electronic Mail

August 14, 2025

Mr. Jeff Ramsay
Director, General Services
Tulare County Office of Education
6200 S. Mooney Boulevard
Visalia, California 93277
jeff.ramsay@tcoe.org

APPROVAL – PRELIMINARY ENDANGERMENT ASSESSMENT WORKPLAN, TULARE COUNTY OFFICE OF EDUCATION, TCOE FACILITY, 26277 NORTH MOONEY BOULEVARD, VISALIA, TULARE COUNTY, CALIFORNIA (PROJECT CODE: 104909)

Dear Mr. Ramsay:

The Department of Toxic Substances Control (DTSC) reviewed the final Preliminary Environmental Assessment Work Plan (PEA Workplan – Padre Associates, Inc., August 7, 2025), received on August 8, 2025. The PEA Workplan includes project background information as well as proposed environmental investigation activities for a proposed new school to be located on an approximately 18-acre property located at 26277 N. Mooney Boulevard, Visalia, Tulare County, California (Site).

The PEA Workplan is approved.

If Site conditions differ from those presented in the approved PEA Workplan, additional work may be necessary. In accordance with Education Code section 17210.1(b), the District shall provide written notice to businesses and residents in the immediate area, approved in form by DTSC, at least five days in advance of field investigation activities. The intent of this requirement is to provide advance notice of fieldwork such as drilling, sampling, and other environmental data collection activities to anyone who lives or works in the line of sight of the Site. Please notify DTSC a minimum of 48 hours in advance of fieldwork or schedule changes.

DTSC understands that the District intends to make the Draft PEA Report available for public review in compliance with Option A of the Education Code section 17213.1(a)(6)(A). Pursuant to Education Code section 17213.1, subdivision (a)(6), at the same time the Draft PEA Report is submitted to DTSC for review, the District shall publish a DTSC approved notice in a local newspaper of general circulation and post the notice in a prominent manner at the Site. The notice should state the District's intent of making the Draft PEA Report available for public review pursuant to Option A. A copy of the notice shall be submitted to DTSC with the Draft PEA Report.

If you have any questions regarding this letter, please contact me at (916) 255-6666 or via email at Elizabeth.Tisdale@dtsc.ca.gov.

Sincerely,

E. Tisdale

Elizabeth Tisdale
Project Manager
Northern California Schools Unit
Site Mitigation and Restoration Program
Department of Toxic Substances Control

cc: See next page.

cc: (via email)

Alan Klein, REPA, CPESC, QSD/QSP
Senior Environmental Scientist
Padre Associates, Inc.
AKlein@padreinc.com

Alan Churchill, PG
Senior Geologist
Padre Associates, Inc.
AChurchill@padreinc.com

Mariana Zimmermann
Senior Associate
PlaceWorks
mzimmerman@placeworks.com

Lok Ming (Tom) Tam, PhD
Staff Toxicologist
Human and Ecological Risk Office
Department of Toxic Substances Control
Lok-Ming.Tam@dtsc.ca.gov

Tim Crick, PE, Chief
Northern California Schools Unit
Site Mitigation and Restoration Program
Department of Toxic Substances Control
Tim.Crick@dtsc.ca.gov

APPENDIX B
SITE PHOTOGRAHS

padre associates, inc.
ENGINEERS, GEOLOGISTS & ENVIRONMENTAL SCIENTISTS

	
Photo No.1 – PEA Field Notice posted along east Project Site boundary.	Photo No.2 – PEA field notice posted along north Project Site boundary.
	
Photo No.3 – Former orchard sampling area.	Photo No.4 – Former residences sampling area.

Sampling Date: August 26 and 27, 2025

padre associates, inc.
ENGINEERS, GEOLOGISTS & ENVIRONMENTAL SCIENTISTS

	
Photo No.5 – Soil sample locations around irrigation well.	Photo No.6 – Soil sample collection.
	
Photo No.7 – Soil sampling equipment station.	Photo No.8 – Soil samples in cooler with ice prior to transportation to the analytical laboratory.

Sampling Date: August 26 and 27, 2025

APPENDIX C

HEALTH & SAFETY PLAN
(from Appendix E of the PEA Workplan)

padre associates
ENGINEERS, GEOLOGISTS & ENVIRONMENTAL SCIENTISTS

APPENDIX D
SITE HEALTH AND SAFETY PLAN

Project Title:	Preliminary Environmental Assessment for the TCOE New School Facility.	
Project Address:	26277 N. Mooney Blvd, Visalia, Tulare County, California.	
Project Manager:	Alan J. Klein	Cell Phone: (916) 947-4831
Project Supervisor:	Jerome K. Summerlin	Cell Phone: (805) 218-0109
Office Phone:	(916) 333-5920 (Sacramento Office) ext. 240.	

INTRODUCTION

The purpose of this Site Health and Safety Plan (HSP) is to establish requirements for protecting the health and safety of site workers for the above-referenced project. The HSP contains safety information, instructions, and procedures.

ORGANIZATION

The following personnel are designated to carry out the stated job functions pertaining to the site activities. All site personnel have read this safety plan and are familiar with its provisions.

	Name	Signature
Site Safety Officer:	Alan Churchill	_____
Field Team Leader:	Alan Churchill	_____
Field Personnel:		_____
Field Personnel:		_____
Field Personnel:		_____
Equipment Operator:		_____
Operator Helper:		_____

Work was accomplished in accordance with the Site Safety Plan, with the following exceptions: _____

_____

Site Safety Office: _____

Date: _____

(RETURN ORIGINAL COPY TO JOB FILE WITH SIGNATURES)

EMERGENCY RESPONSE (DIAL 9-1-1)

Nearest phone located:	Within Padre Associates, Inc. vehicle or with Padre staff.
Emergency Facility:	Kaweah Health Medical Center
Address:	400 West Mineral King Avenue, Visalia, Ca 93291
Phone:	(559) 624-2000
Estimate travel time:	Approximately 15 minutes.

Fire and Police will also be contacted by dialing 911. Ambulance service is to be used in emergencies if the injured person cannot safely be transported by a Padre Associates, Inc., vehicle. When in doubt as to the severity of the situation, call 911. Driving directions to Memorial Medical Center Emergency Department and an illustrated map are located at the end of this HSP.

SITE DESCRIPTION

Location:	26277 N. Mooney Blvd, Visalia, Tulare County, California.
Potential Hazards:	Soil containing OCPs, arsenic, lead and PCBs.
Area of Interest:	Surface soil at the Project Site.
Surrounding Land Use:	School site to the north, commercial to the east, and agriculture to the south and west.
Topography:	Relatively flat.
Weather Conditions:	Expected temperatures 85-95 degrees.

PROJECT OBJECTIVE

The objectives of the environmental assessment program are to:

- Utilize hand sampling equipment to collect surface and shallow subsurface soil samples across the Project Site; and
- Soil samples will be submitted to a certified analytical laboratory to be chemically analyzed for the presence of OCPs, arsenic, lead and PCBs.

AGENCY REPRESENTATIVES

Name:	Elizabeth ‘Liz’ Tisdale, Project Manager
Agency:	California Department of Toxic Substances Control
Program:	Northern California Schools Unit
Phone Number:	(916) 255-6666

SITE SETUP

A safe perimeter will be established at the work Project Site. The work area will be restricted to required personnel only. No unauthorized personnel will be allowed within the

established safe perimeter or will be allowed to enter the Project Site during field work activities. Control boundaries will be marked with caution tape (if necessary) to maintain the established safe perimeter. The onsite command post will be established at the Padre Associates, Inc. vehicle onsite.

HAZARD EVALUATION

Chemicals Onsite. The following substance(s) are known or suspected to be onsite. The primary hazards of each are identified along with their concentrations, if known.

Substance Involved	Primary Hazard	Concentration
OCPs in soil	Ingestion, inhalation, and dermal contact	Unknown
PCBs in soil	Ingestion, inhalation, and dermal contact	Unknown
Arsenic in soil	Ingestion, inhalation, and dermal contact	Unknown
Lead in soil	Ingestion, inhalation, and dermal contact	Unknown

Notes:
OCPs - Organochlorine Pesticides
PCBs - Polychlorinated Biphenyls

Physical Hazards Onsite. The physical hazards and potential for employee exposure to the hazards (i.e., low, moderate, and high) anticipated during the field investigation are discussed below.

Heavy Equipment. The hazards involved with using heavy equipment (i.e., Geoprobe, pick-up trucks, backhoe) include hazards of pinch points; impact from moving parts; fatigue; and improper operation. Heavy equipment used during field activities will consist of pick-up trucks. The potential for incidents to occur from exposure to heavy equipment is considered low. Precautions will be taken when working around heavy equipment. The following safe practices are to be followed during work around heavy equipment:

- While working onsite, wear reflective/visible safety vests, always maintain visual contact with the operator and remain alert.
- Never walk directly behind or to the side of heavy equipment without the operator's knowledge;
- All heavy equipment must be fitted with audible back-up alarms as mandated by OSHA;
- Blades, buckets, and other hydraulic systems will be fully lowered, and parking brakes engaged whenever equipment is not in use; and
- All non-essential personnel will be kept out of the work areas.

Heavy equipment other than pickup trucks is not anticipated for this project. Therefore, the potential for employee exposure to heavy equipment hazards during field activities is considered low.

Slips, Trips and Falls. Site activities can pose a variety of slip, trip and fall hazards. Examples that contribute to slips, trips and falls include uneven ground surfaces and slick or wet surfaces, and unstable earth slopes. Most of the work will be conducted on a relatively level ground surface area. The immediate work area will remain clear of all sampling tools and equipment not in use.

Overhead and Underground Utilities. Typical site activities such as movement of equipment or intrusive activities such as excavations can present the risk of contact with overhead or underground utilities. Overhead utilities transect the central portion of the Project Site in an east-west direction. Overhead utilities are also present along the north and east property boundaries adjacent to city streets. Soil collection activities will consist of using hand sampling equipment to collect surface soil samples. Therefore, the potential for employee exposure to utility hazards during field activities is considered low.

Heat Stress. High temperatures, direct sun, use of PPE, and labor-intensive activities may contribute to heat stress. Heat stress can involve a high risk of illness of death. Symptoms of heat stress or heat exhaustion include:

- Headaches, dizziness, lightheadedness, or fainting;
- Weakness and moist;
- Mood changes such as irritability or confusion;
- Upset stomach or vomiting.

Preventing heat stress while working outdoors includes:

- Know the signs/symptoms of heat stress, and monitor yourself and coworkers;
- Drink lots of water; about 1 cup every 15 minutes;
- Take regular breaks away from the sun;
- Wear lightweight, light colored, loose-fitting clothes;
- Avoid alcohol, caffeinated drinks, or heavy meals.

Treatment for heat related illness includes:

- Move the worker to a cool shaded area;
- Loosen or remove heavy clothing;
- Provide cool drinking water;
- Fan and mist the person with water:
- Call 911.

Field work is expected to be completed during the summer months (July-August) in 2025. Therefore, the potential for employee exposure to heat stress hazards during field activities is considered high.

Fire and Explosion. Gas or sewer lines can contain hazardous levels of explosive or toxic gases, which may pose a fire risk. The risk of fire on site may also stem from the presence of vegetation, heat and fuel sources from construction equipment and site vehicles, or from the presence of combustible gases or vapors in contaminated soil and/or wells. Padre vehicles will be parked on unvegetated work areas. Therefore, the potential for exposure to fire and explosion hazards is considered low.

Traffic Hazards. Work activities along roadways, parking areas, and entrance and exit areas create exposure to traffic hazards. The Project Site consists of 16 acres of agricultural land. Therefore, the potential for exposure to traffic hazards is considered low.

Biological Hazards. The Project Site consists of vacant land with weeds, therefore there is potential presence for a wide variety of insects, including bees, ticks and spiders that may be encountered. Stings from bees may cause serious allergic reactions in certain individuals. Ticks are parasites that feed on the blood of an animal/human host and can carry several severe diseases, causing fever and pain for several days and even brain damage. Poisonous snakes or spiders may also be encountered. Skin contact with certain plants (i.e., poison oak and poison ivy) may cause severe reactions. The best protection is skin coverage (long pants, long shirts, and gloves). Avoid wearing perfumes and scents.

GENERAL SAFETY RULES

1. There will be no eating, drinking, or smoking within the work areas of the PEA.
2. Fire extinguishers will be in nearby Padre staff vehicles.
3. First aid kits will be in nearby Padre staff vehicles.

EQUIPMENT

Personal Protective Equipment. Based on the evaluation of potential hazards, the level of protection deemed appropriate for this site is Level D. Field sampling activities will be conducted in such a manner as to limit the creation of dust during soil disturbance.

Level D equipment includes:

hard hat
steel toe and shank boots
safety glasses or goggles
gloves

Level C equipment includes:

full or half face respirator
dual cartridge with organic vapor/acid gas hepa filtration
steel toe neoprene boots
Tyvek suits
latex inner gloves
PVC outer gloves
duct tape

DECONTAMINATION PROCEDURES

Level D - Decontamination. For Level D PPE work, the following personnel decontamination procedures must be observed by workers prior to rest breaks and upon leaving the exclusion zone:

1. Remove gross contamination from tools, monitoring equipment, boots, etc., prior to leaving the work site, using water, paper towels, Handi-Wipes®, etc.
2. Either completely decontaminate solid equipment at the work site using detergent and water (if possible) or wrap equipment in a plastic bag for transport until complete decontamination is possible.
3. Always follow established personnel decontamination procedures and remove contaminated gloves, paper towels, etc. by placing them in a plastic bag and arranging for proper disposal.
4. Wash hands and face (field wash) thoroughly with soap and water before lunch or coffee breaks, and as soon as possible after finishing work for the day.

MONITORING

Safety Monitoring

1. The designated Site Safety Officer is responsible for onsite safety recommendations during fieldwork activities.
2. A daily safety meeting will be conducted onsite by the Site Safety Officer prior to initiation of activities. The technical work plan will be discussed, and any other topic considered relevant by the Site Safety Officer.

Environmental Monitoring

1. The Site Safety Officer shall be notified of any onsite emergencies or potential hazards noticed by other site personnel. The Site Safety Officer is responsible for determining whether it is safe to proceed. If the Site Safety Officer does not or cannot make the determination, then the project manager shall be contacted prior to continuing with the investigation.
2. If any equipment onsite fails to operate properly, the Field Team Leader and Site Safety Officer shall be notified. It will be determined as to the effect of this failure on continuing operations on the site. If the failure affects the safety of personnel or prevents completion of the work plan tasks, all personnel shall leave the job site until the situation is evaluated and appropriate actions taken.

Personal Monitoring.

The following personal monitoring will be in effect onsite:

- Site personnel will be observed by the Site Safety Officer to determine whether they are operating in a safe manner.

TRAINING REQUIREMENTS

All personnel will be up to date on the requirements set forth in 29 CFR 1910.120. It is the responsibility of the Corporate Health and Safety Coordinator to maintain the required annual 8-hour refresher training for all personnel. Padre's Corporate Health and Safety Coordinator is Mr. Andreas Wedderien (805) 644-2220 x19.

DISPOSAL OF WASTES DURING FIELD ACTIVITIES

Generated waste solids (gloves, bottles, wrappers, etc.) will be placed in plastic trash bag and removed from the Project Site and the end of day of field activities. Soil cuttings will be placed back into the bore holes; therefore, no waste solids will be stored onsite. At the completion of sampling activities, the small amount of wash water will be dispersed to the ground surface. The wash water will consist of water, non-phosphate detergent, and a small amount of surface soil.

ROUTE TO HOSPITAL

Directions

1. From the work area, head South on CA-63 toward Ave 261 (0.1 mi.);
2. Make a U-turn at Ave 261 (4.3 mi.);
3. Turn Right onto CA-63 North (1.0 mi.);
4. Turn Left onto S. Watson Street (364 feet);
5. Turn Right (125 feet);
6. Turn Right into Kaweah Health Medical Center and follow signs to the Emergency Room.

Arrive: Kaweah Health: Emergency Room, 400 W Mineral King Ave., Visalia, Ca 93291

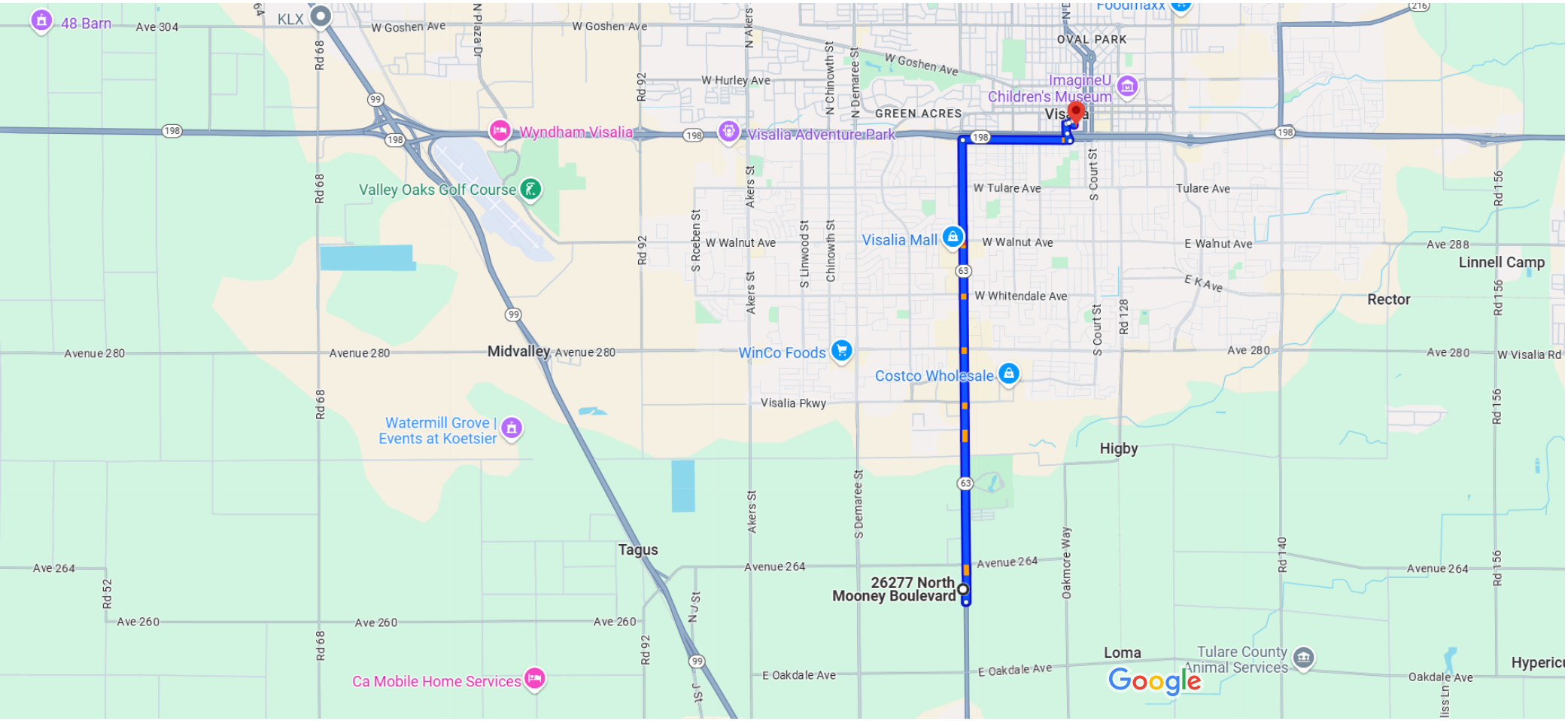
Drive Time: 5.4 miles in approximately 15 minutes.

Insert Hospital Map

Google Maps

26277 N Mooney Blvd, Tulare, CA 93274 to Kaweah Health Medical Ctr, 400 W Mineral King Ave, Visalia, CA 93291

Drive 5.7 miles, 15 min



Map data ©2025 Google 1 mi

26277 N Mooney Blvd
Tulare, CA 93274

Follow CA-63 S to S Watson St in Visalia

14 min (5.4 mi)

1. Head south on CA-63 S toward Ave 261

0.1 mi

2. Make a U-turn at Ave 261

Pass by Bank of America (with Drive-thru ATM) (on the right in 3.1 mi)

APPENDIX D
LABORATORY ANALTYICAL REPORTS

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

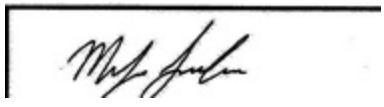
Lab Job Number : 540981
Report Level : II
Report Date : 09/08/2025

Analytical Report *prepared for:*

Alan Klein
Padre Associates, Inc.
350 University Avenue
Suite 250
Sacramento, CA 95825

Project: 2401-2581 - TCOE - New School Site

Authorized for release by:



Miguel Gamboa, Project Manager
miguel.gamboa@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, CA ELAP #1338-S1, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Alan Klein
Padre Associates, Inc.
350 University Avenue
Suite 250
Sacramento, CA
95825

Lab Job #:	540981
Project No:	2401-2581
Location:	TCOE - New School Site
Date Received:	08/28/25

Sample ID	Lab ID	Collected	Matrix
AG-1 (SURF)	540981-001	08/27/25 07:10	Soil
AG-2 (SURF)	540981-002	08/27/25 07:06	Soil
AG-3 (SURF)	540981-003	08/27/25 07:02	Soil
AG-4 (SURF)	540981-004	08/27/25 06:37	Soil
AG-5 (SURF)	540981-005	08/27/25 07:00	Soil
AG-6 (SURF)	540981-006	08/27/25 07:10	Soil
AG-7 (SURF)	540981-007	08/27/25 06:59	Soil
AG-8 (SURF)	540981-008	08/27/25 06:40	Soil
FB #1	540981-009	08/26/25 12:45	Water
EB #1	540981-010	08/26/25 12:50	Water
AG-9 (SURF)	540981-011	08/27/25 06:56	Soil
AG-10 (SURF)	540981-012	08/27/25 07:06	Soil
AG-11 (SURF)	540981-013	08/27/25 06:52	Soil
AG-12 (SURF)	540981-014	08/27/25 06:48	Soil
AG-13 (SURF)	540981-015	08/27/25 07:40	Soil
AG-14 (SURF)	540981-016	08/27/25 07:36	Soil
AG-15 (SURF)	540981-017	08/27/25 07:33	Soil
AG-16 (SURF)	540981-018	08/27/25 07:30	Soil
FB #2	540981-019	08/27/25 09:00	Water
EB #2	540981-020	08/27/25 09:45	Water
AG-17 (SURF)	540981-021	08/27/25 07:53	Soil
AG-18 (SURF)	540981-022	08/27/25 07:56	Soil
AG-19 (SURF)	540981-023	08/27/25 08:00	Soil
AG-20 (SURF)	540981-024	08/27/25 08:03	Soil
AG-21 (SURF)	540981-025	08/27/25 08:24	Soil
AG-22 (SURF)	540981-026	08/27/25 08:24	Soil

ENTHALPY ANALYTICAL

Sample Summary

Alan Klein
Padre Associates, Inc.
350 University Avenue
Suite 250
Sacramento, CA
95825

Lab Job #:	540981
Project No:	2401-2581
Location:	TCOE - New School Site
Date Received:	08/28/25

Sample ID	Lab ID	Collected	Matrix
AG-23 (SURF)	540981-027	08/27/25 08:16	Soil
AG-24 (SURF)	540981-028	08/27/25 08:12	Soil
TF-1A (SURF)	540981-029	08/26/25 11:21	Soil
TF-1B (SURF)	540981-030	08/26/25 11:26	Soil
AG-25 (SURF)	540981-031	08/27/25 08:19	Soil
AG-26 (SURF)	540981-032	08/27/25 08:22	Soil
AG-27 (SURF)	540981-033	08/27/25 08:10	Soil
AG-28 (SURF)	540981-034	08/27/25 08:07	Soil
R-1 (SURF)	540981-035	08/27/25 08:40	Soil
R-2 (SURF)	540981-036	08/27/25 08:50	Soil
R-3 (SURF)	540981-037	08/27/25 09:32	Soil
R-4 (SURF)	540981-038	08/27/25 09:25	Soil
TF-2 (SURF)	540981-039	08/26/25 12:06	Soil
TF-2 (1-1.5')	540981-040	08/26/25 12:07	Soil
R-5 (SURF)	540981-041	08/26/25 09:00	Soil
R-6 (SURF)	540981-042	08/26/25 09:05	Soil
R-7 (SURF)	540981-043	08/26/25 09:18	Soil
R-8 (SURF)	540981-044	08/26/25 09:11	Soil
R-9 (SURF)	540981-045	08/26/25 09:53	Soil
R-10 (SURF)	540981-046	08/26/25 10:00	Soil
R-11 (SURF)	540981-047	08/26/25 10:25	Soil
R-12 (SURF)	540981-048	08/26/25 10:34	Soil
W-1 (1-1.5')	540981-049	08/26/25 11:36	Soil
W-2 (1-1.5')	540981-050	08/26/25 11:40	Soil
R-13 (SURF)	540981-051	08/26/25 10:09	Soil
R-14 (SURF)	540981-052	08/26/25 10:16	Soil

ENTHALPY ANALYTICAL

Sample Summary

Alan Klein
Padre Associates, Inc.
350 University Avenue
Suite 250
Sacramento, CA
95825

Lab Job #:	540981
Project No:	2401-2581
Location:	TCOE - New School Site
Date Received:	08/28/25

Sample ID	Lab ID	Collected	Matrix
R-15 (SURF)	540981-053	08/26/25 10:40	Soil
R-16 (SURF)	540981-054	08/26/25 10:47	Soil
R-1 (2.2.5')	540981-055	08/26/25 08:47	Soil
R-2 (2-2.5')	540981-056	08/26/25 08:55	Soil
R-3 (2-2.5')	540981-057	08/26/25 09:37	Soil
R-4 (2-2.5')	540981-058	08/26/25 09:30	Soil
W-3 (1-1.5')	540981-059	08/26/25 11:47	Soil
W-4 (1-1.5')	540981-060	08/26/25 11:54	Soil
R-5 (2-2.5')	540981-061	08/26/25 09:02	Soil
R-6 (2-2.5')	540981-062	08/26/25 09:09	Soil
R-7 (2-2.5')	540981-063	08/26/25 09:21	Soil
R-8 (2-2.5')	540981-064	08/26/25 09:15	Soil
R-9 (2-2.5')	540981-065	08/26/25 09:57	Soil
R-10 (2-2.5')	540981-066	08/26/25 10:05	Soil
R-11 (2-2.5')	540981-067	08/26/25 10:30	Soil
R-12 (2-2.5')	540981-068	08/26/25 10:37	Soil
R-13 (2-2.5')	540981-070	08/26/25 10:13	Soil
R-14 (2-2.5')	540981-071	08/26/25 10:20	Soil
R-15 (2-2.5')	540981-072	08/26/25 10:44	Soil
R-16 (2-2.5')	540981-073	08/26/25 10:51	Soil
W-1 (SURF)	540981-074	08/26/25 11:33	Soil
W-2 (SURF)	540981-075	08/26/25 11:37	Soil
W-3 (SURF)	540981-076	08/26/25 11:46	Soil
W-4 (SURF)	540981-077	08/26/25 11:51	Soil
TF-1A (1-1.5')	540981-078	08/26/25 11:21	Soil
TF-1B (1-1.5')	540981-079	08/26/25 00:00	Soil

ENTHALPY ANALYTICAL

Sample Summary

Alan Klein
Padre Associates, Inc.
350 University Avenue
Suite 250
Sacramento, CA
95825

Lab Job #:	540981
Project No:	2401-2581
Location:	TCOE - New School Site
Date Received:	08/28/25

Sample ID	Lab ID	Collected	Matrix
CS-1	540981-080	08/26/25 00:00	Soil
CS-2	540981-081	08/26/25 00:00	Soil
CS-3	540981-082	08/26/25 00:00	Soil
CS-4	540981-083	08/26/25 00:00	Soil
CS-5	540981-084	08/26/25 00:00	Soil
CS-6	540981-085	08/26/25 00:00	Soil
CS-7	540981-086	08/26/25 00:00	Soil
CS-8	540981-087	08/26/25 00:00	Soil
CS-9	540981-088	08/26/25 00:00	Soil
CS-10	540981-089	08/26/25 00:00	Soil
CS-11	540981-090	08/26/25 00:00	Soil
CS-12	540981-091	08/26/25 00:00	Soil
CS-13	540981-092	08/26/25 00:00	Soil
CS-14	540981-093	08/26/25 00:00	Soil
CS-15	540981-094	08/26/25 00:00	Soil
CS-16	540981-095	08/26/25 00:00	Soil
CS-2 DUP	540981-096	08/26/25 00:00	Soil
AG-11 (SURF) DUP	540981-097	08/27/25 00:00	Soil
AG-22 (SURF) DUP	540981-098	08/27/25 00:00	Soil
CS-9 DUP	540981-099	08/26/25 00:00	Soil
R-10 (SURF) DUP	540981-100	08/26/25 10:00	Soil
R-13 (SURF) DUP	540981-101	08/26/25 10:09	Soil
CS-13 DUP	540981-102	08/26/25 00:00	Soil
R-10 (2-2.5') DUP	540981-103	08/26/25 10:05	Soil
R-13 (2-2.5') DUP	540981-104	08/26/25 10:13	Soil

Case Narrative

Padre Associates, Inc.
350 University Avenue
Suite 250
Sacramento, CA 95825
Alan Klein

Lab Job Number: 540981
Project No: 2401-2581
Location: TCOE - New School Site
Date Received: 08/28/25

This data package contains sample and QC results for forty six soil samples, sixteen four-point soil composites, and four water samples, requested for the above referenced project on 08/29/25. The samples were received in good condition.

Pesticides (EPA 8081A):

- High recoveries were observed for a number of analytes in the MSD for batch 380800; the parent sample was not a project sample, the LCS was within limits, and these analytes were not detected at or above the RL in the associated sample. High RPD was observed for heptachlor in the MS/MSD for batch 380800; this analyte was not detected at or above the RL in the associated sample.
- Low recoveries were observed for methoxychlor in the MS/MSD of CS-13 (lab # 540981-092); the LCS was within limits, and the associated RPD was within limits.
- Responses exceeding the instrument's linear range were observed for 4,4'-DDE and 4,4'-DDT in the MSD for batch 380800; affected data was qualified with "E".
- No other analytical problems were encountered.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6020):

- High recovery was observed for lead in the MSD for batch 380727; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Metals (EPA 200.8):
No analytical problems were encountered.

Login 540981

Chain of Custody Record

Lab No: 540981

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Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:	X	3 Day:	
2 Day:		1 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: IR/3 4.3/4.3 2.0/2.0 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	PADRE ASSOCIATES, INC.	Name:	TCOE - New School Site
Report To:	ALAN KLEIN	Number:	2401-2581
Email:	aklein@padreinc.com	P.O. #:	
Address:	350 UNIVERSITY AVE, #250	Address:	Visalia, CA
	SACRAMENTO, CA 95825		
Phone:	916-947-4831	Global ID:	
Fax:		Sampled By:	AC/KG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Arsenic, Lead (6020)	Arsenic, Lead (200.8)	OCPs (8081B)	Test Instructions / Comments
1	AG-1 (SURF)	08/27/25	710	S	2"X6" STEEL	ICE	X		X	
2	AG-2 (SURF)	08/27/25	706	S	2"X6" STEEL	ICE			X	COMP 4:1 CS-1
3	AG-3 (SURF)	08/27/25	702	S	2"X6" STEEL	ICE			X	
4	AG-4 (SURF)	08/27/25	637	S	2"X6" STEEL	ICE			X	
5	AG-5 (SURF)	08/27/25	700	S	2"X6" STEEL	ICE			X	
6	AG-6 (SURF)	08/27/25	710	S	2"X6" STEEL	ICE	X		X	COMP 4:1 CS-2 SPLIT/RUN DUPLICATE ON CS-2 (OCPs)
7	AG-7 (SURF)	08/27/25	659	S	2"X6" STEEL	ICE			X	
8	AG-8 (SURF)	08/27/25	640	S	2"X6" STEEL	ICE			X	
9	FB #1	08/26/25	1245	W	250 mL poly	ce, HNO3		X		
10	EB #1	08/26/25	1250	W	250 mL poly	ce, HNO3		X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		ALAN CHURCHILL	PADRE/ SR. GEOLOGIST	8-28-25/ 1035
1 Received By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	8-28-25 1035
2 Relinquished By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	8-28-25 1620
2 Received By:		Nicole Mendoza	EA	8-29-25 10:00
3 Relinquished By:				
3 Received By:				

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Chain of Custody Record

Lab No: 540981

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Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

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Company:	PADRE ASSOCIATES, INC.	Name:	TCOE - New School Site
Report To:	ALAN KLEIN	Number:	2401-2581
Email:	aklein@padreinc.com	P.O. #:	
Address:	350 UNIVERSITY AVE, #250	Address:	Visalia, CA
	SACRAMENTO, CA 95825		
Phone:	916-947-4831	Global ID:	
Fax:		Sampled By:	AC/KG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Arsenic, Lead (6020)		Arsenic, Lead (200.8)		OCPs (8081B)						Test Instructions / Comments
1	AG-9 (SURF)	08/27/25	656	S	2"X6" STEEL	ICE					X						
2	AG-10 (SURF)	08/27/25	706	S	2"X6" STEEL	ICE					X		COMP 4:1				
3	AG-11 (SURF)	08/27/25	652	S	2"X6" STEEL	ICE	X				X		CS-3				SPLIT/RUN DUPLICATE FOR LEAD AG-11
4	AG-12 (SURF)	08/27/25	648	S	2"X6" STEEL	ICE					X						
5	AG-13 (SURF)	08/27/25	740	S	2"X6" STEEL	ICE					X						
6	AG-14 (SURF)	08/27/25	736	S	2"X6" STEEL	ICE	X				X		COMP 4:1				
7	AG-15 (SURF)	08/27/25	733	S	2"X6" STEEL	ICE					X		CS-4				
8	AG-16 (SURF)	08/27/25	730	S	2"X6" STEEL	ICE					X						
9	FB #2	08/27/25	900	W	250 mL poly	ce, HNO3			X								
10	EB #2	08/27/25	945	W	250 mL poly	ce, HNO3			X								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		ALAN CHURCHILL	PADRE / SR. GEOLOGIST	8-28-25/ 1035
1 Received By:	Brenda Hamilton	Brenda Hamilton	EA/SCM	8/28/25 1035
2 Relinquished By:	Brenda Hamilton	Brenda Hamilton	EA/SCM	8/28/25 1830
2 Received By:		Nicole Mendoza	EA	8-29-25 10:00
3 Relinquished By:				
3 Received By:				

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Lab No: 549781

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Phone 714-771-6900

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Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

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Report To:	ALAN KLEIN	Number:	2401-2581
Email:	aklein@padreinc.com	P.O. #:	
Address:	350 UNIVERSITY AVE, #250	Address:	Visalia, CA
	SACRAMENTO, CA 95825		
Phone:	916-947-4831	Global ID:	
Fax:		Sampled By:	AC/KG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Arsenic, Lead (6020)		PCBs (8082)		OCPs (8081B)						Test Instructions / Comments
1	AG-17 (SURF)	08/27/25	753	S	2"X6" STEEL	ICE	X				X						
2	AG-18 (SURF)	08/27/25	756	S	2"X6" STEEL	ICE					X						
3	AG-19 (SURF)	08/27/25	800	S	2"X6" STEEL	ICE					X						
4	AG-20 (SURF)	08/27/25	803	S	2"X6" STEEL	ICE					X						
5	AG-21 (SURF)	08/27/25	824	S	2"X6" STEEL	ICE					X						
6	AG-22 (SURF)	08/27/25	824	S	2"X6" STEEL	ICE	X				X						SPLIT/RUN DUPLICATE FOR ARSENIC AG-22
7	AG-23 (SURF)	08/27/25	816	S	2"X6" STEEL	ICE					X						
8	AG-24 (SURF)	08/27/25	812	S	2"X6" STEEL	ICE					X						
9	TF-1A (SURF)	08/26/25	1121	S	2"X6" STEEL	ICE			X								
10	TF-1B (SURF)	08/26/25	1126	S	2"X6" STEEL	ICE			X								

Analysis Request: COMP 4:1 CS-5; COMP 4:1 CS-6

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		ALAN CHURCHILL	PADRE / SR. GEOLOGIST	8-28-25/ 1035
1 Received By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	8/28/25 1035
2 Relinquished By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	8/28/25 1830
2 Received By:		Nicole Mendoza	EA	8-29-25 10:00
3 Relinquished By:				
3 Received By:				

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Chain of Custody Record

Lab No: 540981

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Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	PADRE ASSOCIATES, INC.	Name:	TCOE - New School Site
Report To:	ALAN KLEIN	Number:	2401-2581
Email:	aklein@padreinc.com	P.O. #:	
Address:	350 UNIVERSITY AVE, #250	Address:	Visalia, CA
	SACRAMENTO, CA 95825		
Phone:	916-947-4831	Global ID:	
Fax:		Sampled By:	AC/KG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Arsenic, Lead (6020)	LEAD (6020)	PCBs (8082)	HOLD	OCPs (8081B)						Test Instructions / Comments
1	AG-25 (SURF)	08/27/25	819	S	2"X6" STEEL	ICE					X						COMPOSITE ANALYSIS FOR OCPs
2	AG-26 (SURF)	08/27/25	822	S	2"X6" STEEL	ICE					X						
3	AG-27 (SURF)	08/27/25	810	S	2"X6" STEEL	ICE	X				X						
4	AG-28 (SURF)	08/27/25	807	S	2"X6" STEEL	ICE					X						
5	R-1 (SURF)	08/27/25	840	S	2"X6" STEEL	ICE		X			X						
6	R-2 (SURF)	08/27/25	850	S	2"X6" STEEL	ICE		X			X						
7	R-3 (SURF)	08/27/25	932	S	2"X6" STEEL	ICE		X			X						
8	R-4 (SURF)	08/27/25	925	S	2"X6" STEEL	ICE		X			X						
9	TF-2 (SURF)	08/26/25	1206	S	2"X6" STEEL	ICE			X								
10	TF-2 (1-1.5')	08/26/25	1207	S	2"X6" STEEL	ICE				X							

COMP 4:1 CS-7

COMP 4:1 CS-8

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		ALAN CHURCHILL	PADRE / SR. GEOLOGIST	8-28-25/ 1035
[1] Received By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	8/28/25 1035
[2] Relinquished By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	8/28/25 1830
[2] Received By:		Nicole Mendoza	EA	8-29-25 10:00
[3] Relinquished By:				
[3] Received By:				

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Chain of Custody Record

Lab No: 340481

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Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

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Company:	PADRE ASSOCIATES, INC.	Name:	TCOE - New School Site
Report To:	ALAN KLEIN	Number:	2401-2581
Email:	aklein@padreinc.com	P.O. #:	
Address:	350 UNIVERSITY AVE, #250	Address:	Visalia, CA
	SACRAMENTO, CA 95825		
Phone:	916-947-4831	Global ID:	
Fax:		Sampled By:	AC/KG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (6020)		HOLD		OCPs (8081B)						Test Instructions / Comments
1	R-5 (SURF)	08/26/25	900	S	2"X6" STEEL	ICE	X				X						COMPOSITE ANALYSIS FOR OCPs
2	R-6 (SURF)	08/26/25	905	S	2"X6" STEEL	ICE	X				X		COMP 4:1				SPLIT RUN DUPLICATE FOR OCPs CS-9
3	R-7 (SURF)	08/26/25	918	S	2"X6" STEEL	ICE	X				X		CS-9				
4	R-8 (SURF)	08/26/25	911	S	2"X6" STEEL	ICE	X				X						
5	R-9 (SURF)	08/26/25	953	S	2"X6" STEEL	ICE	X				X						
6	R-10 (SURF)	08/26/25	1000	S	2"X6" STEEL	ICE	X				X		COMP 4:1				SPLIT/RUN DUPLICATE FOR LEAD R-10
7	R-11 (SURF)	08/26/25	1025	S	2"X6" STEEL	ICE	X				X		CS-10				
8	R-12 (SURF)	08/26/25	1034	S	2"X6" STEEL	ICE	X				X						
9	W-1 (1-1.5')	08/26/25	1136	S	2"X6" STEEL	ICE			X								
10	W-2 (1-1.5')	08/26/25	1140	S	2"X6" STEEL	ICE			X								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		ALAN CHURCHILL	PADRE / SR. GEOLOGIST	8-28-25/ 1035
[1] Received By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	8/28/25 1035
[2] Relinquished By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	8/28/25 1830
[2] Received By:		Nicole Mendoza	EA	8-29-25 10:00
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 540981

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Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

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Address:	350 UNIVERSITY AVE, #250	Address:	Visalia, CA
	SACRAMENTO, CA 95825		
Phone:	916-947-4831	Global ID:	
Fax:		Sampled By:	AC/KG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	LEAD (6020)	HOLD	OCPs (8081B)	Test Instructions / Comments
1	R-13 (SURF)	08/26/25	1009	S	2"X6" STEEL	ICE	X		X	SPLIT RUN DUPLICATE FOR LEAD R-13
2	R-14 (SURF)	08/26/25	1016	S	2"X6" STEEL	ICE	X		X	COMP 4:1 CS-11
3	R-15 (SURF)	08/26/25	1040	S	2"X6" STEEL	ICE	X		X	
4	R-16 (SURF)	08/26/25	1047	S	2"X6" STEEL	ICE	X		X	
5	R-1 (2-2.5')	08/26/25	847	S	2"X6" STEEL	ICE	X		X	COMP 4:1 CS-12
6	R-2 (2-2.5')	08/26/25	855	S	2"X6" STEEL	ICE	X		X	
7	R-3 (2-2.5')	08/26/25	937	S	2"X6" STEEL	ICE	X		X	
8	R-4 (2-2.5')	08/26/25	930	S	2"X6" STEEL	ICE	X		X	
9	W-3 (1-1.5')	08/26/25	1147	S	2"X6" STEEL	ICE		X		
10	W-4 (1-1.5')	08/26/25	1154	S	2"X6" STEEL	ICE		X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		ALAN CHURCHILL	PADRE / SR. GEOLOGIST	8-28-25/ 1035
[1] Received By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	8/28/25 1035
[2] Relinquished By:	Brenda Hamilton	Brenda Hamilton	EA/SCM	8/28/25 1830
[2] Received By:		Nicole Mendoza	EA	8-29-25 10:00
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 54098

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Enthalpy Analytical - Orange

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Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

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Address:	350 UNIVERSITY AVE, #250	Address:	Visalia, CA
	SACRAMENTO, CA 95825		
Phone:	916-947-4831	Global ID:	
Fax:		Sampled By:	AC/KG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	LEAD (6020)	OCPs (8081B)	Test Instructions / Comments
1	R-5 (2-2.5')	08/26/25	902	S	2"X6" STEEL	ICE	X	X	SPLIT/RUN DUPLICATE FOR OCPs CS-13
2	R-6 (2-2.5')	08/26/25	909	S	2"X6" STEEL	ICE	X	X	COMP 4:1 CS-13
3	R-7 (2-2.5')	08/26/25	921	S	2"X6" STEEL	ICE	X	X	
4	R-8 (2-2.5')	08/26/25	915	S	2"X6" STEEL	ICE	X	X	
5	R-9 (2-2.5')	08/26/25	957	S	2"X6" STEEL	ICE	X	X	
6	R-10 (2-2.5')	08/26/25	1005	S	2"X6" STEEL	ICE	X	X	COMP 4:1 SPLIT/RUN DUPLICATE FOR LEAD R-10
7	R-11 (2-2.5')	08/26/25	1030	S	2"X6" STEEL	ICE	X	X	CS-14
8	R-12 (2-2.5')	08/26/25	1037	S	2"X6" STEEL	ICE	X	X	
9									
10									

COMPOSITE ANALYSIS FOR OCPs

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		ALAN CHURCHILL	PADRE / SR. GEOLOGIST	8/28/2025 - 1035
[1] Received By:	Brenda Hamilton	Brenda Hamilton	EA/SCM	8/28/25 1035
[2] Relinquished By:	Brenda Hamilton	Brenda Hamilton	EA/SCM	8/28/25 1830
[2] Received By:		Nicole Mendoza	EA	8-29-25 10:00
[3] Relinquished By:				
[3] Received By:				

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Chain of Custody Record

Lab No: 540981

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Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

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Address:	350 UNIVERSITY AVE, #250	Address:	Visalia, CA
	SACRAMENTO, CA 95825		
Phone:	916-947-4831	Global ID:	
Fax:		Sampled By:	AC/KG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	ARSENIC (6020)	LEAD (6020)	HOLD		OCPs (8081B)					Test Instructions / Comments
1	R-13 (2-2.5')	08/26/25	1013	S	2"X6" STEEL	ICE		X			X					SPLIT/RUN DUPLICATE FOR LEAD R-13
2	R-14 (2-2.5')	08/26/25	1020	S	2"X6" STEEL	ICE		X			X		COMP 4:1			
3	R-15 (2-2.5')	08/26/25	1044	S	2"X6" STEEL	ICE		X			X		CS-15			
4	R-16 (2-2.5')	08/26/25	1051	S	2"X6" STEEL	ICE		X			X					
5	W-1 (SURF)	08/26/25	1133	S	2"X6" STEEL	ICE	X	X			X					
6	W-2 (SURF)	08/26/25	1137	S	2"X6" STEEL	ICE	X	X			X		COMP 4:1			
7	W-3 (SURF)	08/26/25	1146	S	2"X6" STEEL	ICE	X	X			X		CS-16			
8	W-4 (SURF)	08/26/25	1151	S	2"X6" STEEL	ICE	X	X			X					
9	TF-1A (1-1.5')	08/26/25	1124	S	2"X6" STEEL	ICE			X							
10	TF-1B (1-1.5')	08/26/25	1128	S	2"X6" STEEL	ICE			X							

COMPOSITE ANALYSIS FOR OCPs

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		ALAN CHURCHILL	PADRE / SR. GEOLOGIST	8-28-25/ 1035
1 Received By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	8/28/25 1035
2 Relinquished By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	8/28/25 1830
2 Received By:		Nicole Mendoza	EA	8-29-25 10:00
3 Relinquished By:				
3 Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 8/28/25 WO# 540981 Client: PADRE

Section 2: Shipping / Custody — **Are custody seals present?** ☐ Yes ☑ No
Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☐ Courier ☑ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging — ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 8/28/25 By (initials) JJ Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR16 CF: +0.1
Cooler Temp (°C) #1: 3.8 / 3.9 #2: 4.0 / 4.1 #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples — ☑ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples — ☑ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) 8/28/25	✓	✓	
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments
(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 8/28/25 **By (print)** Brenda Hamilton **(sign)** Brenda Hamilton
Date Labeled 8/28/25 **By (print)** Joel Tillman **(sign)** JT

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 8-29-25 WO# 540981 Client: Padre

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☐ No
Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☒ On cooler / box ☐ On samples
☐ Courier ☐ Walk-In ☐ Field Sampling ☒ Shipping Info: Intrastate

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 8-29-25 By (initials) JXR Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: IR13 CF: 0.0
Cooler Temp (°C) #1: 4.3 / 4.3 #2: 2.0 / 2.0 #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?		X	
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments
(If no comments are made, then no discrepancies noted.)
4, 6: sample -020 has sampling time as "9:05" on container vs "9:45" on COC
• Sample -029 has "11:24" on container vs "11:21" on COC
• samples -035 to -038 have "8-26-25" on container vs "8-27-25" on COC

☐ **No additional discrepancies**

Date Logged 8-28-25 **By (print)** SaC **(sign)** ____
Date Labeled 8-28-25 **By (print)** SaC **(sign)** ____

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-1	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-080	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	1.000	**Analyzed:**	09/04/25		

540981-080 Analyte	Result	RL	Units
alpha-BHC	ND	5.0	ug/Kg
beta-BHC	ND	5.0	ug/Kg
gamma-BHC	ND	5.0	ug/Kg
delta-BHC	ND	5.0	ug/Kg
Heptachlor	ND	5.0	ug/Kg
Aldrin	ND	5.0	ug/Kg
Heptachlor epoxide	ND	5.0	ug/Kg
Endosulfan I	ND	5.0	ug/Kg
Dieldrin	ND	5.0	ug/Kg
4,4'-DDE	ND	5.0	ug/Kg
Endrin	ND	5.0	ug/Kg
Endosulfan II	ND	5.0	ug/Kg
Endosulfan sulfate	ND	5.0	ug/Kg
4,4'-DDD	ND	5.0	ug/Kg
Endrin aldehyde	ND	5.0	ug/Kg
Endrin ketone	ND	5.0	ug/Kg
4,4'-DDT	ND	5.0	ug/Kg
Methoxychlor	ND	10	ug/Kg
Toxaphene	ND	100	ug/Kg
Chlordane (Technical)	ND	50	ug/Kg

540981-080 Surrogate	%REC	Limits
TCMX	73	58-120
Decachlorobiphenyl	62	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-2	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-081	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	0.9901	**Analyzed:**	09/04/25		

540981-081 Analyte	Result	RL	Units
alpha-BHC	ND	5.0	ug/Kg
beta-BHC	ND	5.0	ug/Kg
gamma-BHC	ND	5.0	ug/Kg
delta-BHC	ND	5.0	ug/Kg
Heptachlor	ND	5.0	ug/Kg
Aldrin	ND	5.0	ug/Kg
Heptachlor epoxide	ND	5.0	ug/Kg
Endosulfan I	ND	5.0	ug/Kg
Dieldrin	ND	5.0	ug/Kg
4,4'-DDE	ND	5.0	ug/Kg
Endrin	ND	5.0	ug/Kg
Endosulfan II	ND	5.0	ug/Kg
Endosulfan sulfate	ND	5.0	ug/Kg
4,4'-DDD	ND	5.0	ug/Kg
Endrin aldehyde	ND	5.0	ug/Kg
Endrin ketone	ND	5.0	ug/Kg
4,4'-DDT	ND	5.0	ug/Kg
Methoxychlor	ND	9.9	ug/Kg
Toxaphene	ND	99	ug/Kg
Chlordane (Technical)	ND	50	ug/Kg

540981-081 Surrogate	%REC	Limits
TCMX	83	58-120
Decachlorobiphenyl	73	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-3	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-082	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	1.000	**Analyzed:**	09/04/25		

540981-082 Analyte	Result	RL	Units
alpha-BHC	ND	5.0	ug/Kg
beta-BHC	ND	5.0	ug/Kg
gamma-BHC	ND	5.0	ug/Kg
delta-BHC	ND	5.0	ug/Kg
Heptachlor	ND	5.0	ug/Kg
Aldrin	ND	5.0	ug/Kg
Heptachlor epoxide	ND	5.0	ug/Kg
Endosulfan I	ND	5.0	ug/Kg
Dieldrin	ND	5.0	ug/Kg
4,4'-DDE	ND	5.0	ug/Kg
Endrin	ND	5.0	ug/Kg
Endosulfan II	ND	5.0	ug/Kg
Endosulfan sulfate	ND	5.0	ug/Kg
4,4'-DDD	ND	5.0	ug/Kg
Endrin aldehyde	ND	5.0	ug/Kg
Endrin ketone	ND	5.0	ug/Kg
4,4'-DDT	ND	5.0	ug/Kg
Methoxychlor	ND	10	ug/Kg
Toxaphene	ND	100	ug/Kg
Chlordane (Technical)	ND	50	ug/Kg

540981-082 Surrogate	%REC	Limits
TCMX	80	58-120
Decachlorobiphenyl	68	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-4	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-083	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	1.020	**Analyzed:**	09/04/25		

540981-083 Analyte	Result	RL	Units
alpha-BHC	ND	5.1	ug/Kg
beta-BHC	ND	5.1	ug/Kg
gamma-BHC	ND	5.1	ug/Kg
delta-BHC	ND	5.1	ug/Kg
Heptachlor	ND	5.1	ug/Kg
Aldrin	ND	5.1	ug/Kg
Heptachlor epoxide	ND	5.1	ug/Kg
Endosulfan I	ND	5.1	ug/Kg
Dieldrin	ND	5.1	ug/Kg
4,4'-DDE	ND	5.1	ug/Kg
Endrin	ND	5.1	ug/Kg
Endosulfan II	ND	5.1	ug/Kg
Endosulfan sulfate	ND	5.1	ug/Kg
4,4'-DDD	ND	5.1	ug/Kg
Endrin aldehyde	ND	5.1	ug/Kg
Endrin ketone	ND	5.1	ug/Kg
4,4'-DDT	ND	5.1	ug/Kg
Methoxychlor	ND	10	ug/Kg
Toxaphene	ND	100	ug/Kg
Chlordane (Technical)	ND	51	ug/Kg

540981-083 Surrogate	%REC	Limits
TCMX	75	58-120
Decachlorobiphenyl	69	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-5	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-084	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	0.9901	**Analyzed:**	09/04/25		

540981-084 Analyte	Result	RL	Units
alpha-BHC	ND	5.0	ug/Kg
beta-BHC	ND	5.0	ug/Kg
gamma-BHC	ND	5.0	ug/Kg
delta-BHC	ND	5.0	ug/Kg
Heptachlor	ND	5.0	ug/Kg
Aldrin	ND	5.0	ug/Kg
Heptachlor epoxide	ND	5.0	ug/Kg
Endosulfan I	ND	5.0	ug/Kg
Dieldrin	ND	5.0	ug/Kg
4,4'-DDE	ND	5.0	ug/Kg
Endrin	ND	5.0	ug/Kg
Endosulfan II	ND	5.0	ug/Kg
Endosulfan sulfate	ND	5.0	ug/Kg
4,4'-DDD	ND	5.0	ug/Kg
Endrin aldehyde	ND	5.0	ug/Kg
Endrin ketone	ND	5.0	ug/Kg
4,4'-DDT	ND	5.0	ug/Kg
Methoxychlor	ND	9.9	ug/Kg
Toxaphene	ND	99	ug/Kg
Chlordane (Technical)	ND	50	ug/Kg

540981-084 Surrogate	%REC	Limits
TCMX	72	58-120
Decachlorobiphenyl	62	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-6	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-085	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	1.010	**Analyzed:**	09/04/25		

540981-085 Analyte	Result	RL	Units
alpha-BHC	ND	5.1	ug/Kg
beta-BHC	ND	5.1	ug/Kg
gamma-BHC	ND	5.1	ug/Kg
delta-BHC	ND	5.1	ug/Kg
Heptachlor	ND	5.1	ug/Kg
Aldrin	ND	5.1	ug/Kg
Heptachlor epoxide	ND	5.1	ug/Kg
Endosulfan I	ND	5.1	ug/Kg
Dieldrin	ND	5.1	ug/Kg
4,4'-DDE	ND	5.1	ug/Kg
Endrin	ND	5.1	ug/Kg
Endosulfan II	ND	5.1	ug/Kg
Endosulfan sulfate	ND	5.1	ug/Kg
4,4'-DDD	ND	5.1	ug/Kg
Endrin aldehyde	ND	5.1	ug/Kg
Endrin ketone	ND	5.1	ug/Kg
4,4'-DDT	ND	5.1	ug/Kg
Methoxychlor	ND	10	ug/Kg
Toxaphene	ND	100	ug/Kg
Chlordane (Technical)	ND	51	ug/Kg

540981-085 Surrogate	%REC	Limits
TCMX	72	58-120
Decachlorobiphenyl	63	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-7	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-086	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	0.9901	**Analyzed:**	09/04/25		

540981-086 Analyte	Result	RL	Units
alpha-BHC	ND	5.0	ug/Kg
beta-BHC	ND	5.0	ug/Kg
gamma-BHC	ND	5.0	ug/Kg
delta-BHC	ND	5.0	ug/Kg
Heptachlor	ND	5.0	ug/Kg
Aldrin	ND	5.0	ug/Kg
Heptachlor epoxide	ND	5.0	ug/Kg
Endosulfan I	ND	5.0	ug/Kg
Dieldrin	ND	5.0	ug/Kg
4,4'-DDE	**13**	5.0	ug/Kg
Endrin	ND	5.0	ug/Kg
Endosulfan II	ND	5.0	ug/Kg
Endosulfan sulfate	ND	5.0	ug/Kg
4,4'-DDD	ND	5.0	ug/Kg
Endrin aldehyde	ND	5.0	ug/Kg
Endrin ketone	ND	5.0	ug/Kg
4,4'-DDT	**12**	5.0	ug/Kg
Methoxychlor	ND	9.9	ug/Kg
Toxaphene	ND	99	ug/Kg
Chlordane (Technical)	ND	50	ug/Kg

540981-086 Surrogate	%REC	Limits
TCMX	80	58-120
Decachlorobiphenyl	58	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-8	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-087	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	1.010	**Analyzed:**	09/04/25		

540981-087 Analyte	Result	RL	Units
alpha-BHC	ND	5.1	ug/Kg
beta-BHC	ND	5.1	ug/Kg
gamma-BHC	ND	5.1	ug/Kg
delta-BHC	ND	5.1	ug/Kg
Heptachlor	ND	5.1	ug/Kg
Aldrin	ND	5.1	ug/Kg
Heptachlor epoxide	ND	5.1	ug/Kg
Endosulfan I	ND	5.1	ug/Kg
Dieldrin	ND	5.1	ug/Kg
4,4'-DDE	**15**	5.1	ug/Kg
Endrin	ND	5.1	ug/Kg
Endosulfan II	ND	5.1	ug/Kg
Endosulfan sulfate	ND	5.1	ug/Kg
4,4'-DDD	**9.3**	5.1	ug/Kg
Endrin aldehyde	ND	5.1	ug/Kg
Endrin ketone	ND	5.1	ug/Kg
4,4'-DDT	**22**	5.1	ug/Kg
Methoxychlor	ND	10	ug/Kg
Toxaphene	ND	100	ug/Kg
Chlordane (Technical)	ND	51	ug/Kg

540981-087 Surrogate	%REC	Limits
TCMX	76	58-120
Decachlorobiphenyl	61	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-9	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-088	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	1.000	**Analyzed:**	09/04/25		

540981-088 Analyte	Result	RL	Units
alpha-BHC	ND	5.0	ug/Kg
beta-BHC	ND	5.0	ug/Kg
gamma-BHC	ND	5.0	ug/Kg
delta-BHC	ND	5.0	ug/Kg
Heptachlor	ND	5.0	ug/Kg
Aldrin	ND	5.0	ug/Kg
Heptachlor epoxide	ND	5.0	ug/Kg
Endosulfan I	ND	5.0	ug/Kg
Dieldrin	ND	5.0	ug/Kg
4,4'-DDE	ND	5.0	ug/Kg
Endrin	ND	5.0	ug/Kg
Endosulfan II	ND	5.0	ug/Kg
Endosulfan sulfate	ND	5.0	ug/Kg
4,4'-DDD	ND	5.0	ug/Kg
Endrin aldehyde	ND	5.0	ug/Kg
Endrin ketone	ND	5.0	ug/Kg
4,4'-DDT	ND	5.0	ug/Kg
Methoxychlor	ND	10	ug/Kg
Toxaphene	ND	100	ug/Kg
Chlordane (Technical)	ND	50	ug/Kg

540981-088 Surrogate	%REC	Limits
TCMX	71	58-120
Decachlorobiphenyl	54	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID: CS-10 **Batch#:** 381020 **Prep:** EPA 3546

Lab ID: 540981-089 **Sampled:** 08/26/25 **Analysis:** EPA 8081A

Matrix: Soil **Received:** 08/28/25

Basis: as received **Prepared:** 09/04/25

540981-089 Analyte	Result	RL	Units	DF	Analyzed	Analyst
alpha-BHC	ND	5.1	ug/Kg	1.020	09/04/25	XLY
beta-BHC	ND	5.1	ug/Kg	1.020	09/04/25	XLY
gamma-BHC	ND	5.1	ug/Kg	1.020	09/04/25	XLY
delta-BHC	ND	5.1	ug/Kg	1.020	09/04/25	XLY
Heptachlor	ND	5.1	ug/Kg	1.020	09/04/25	XLY
Aldrin	ND	5.1	ug/Kg	1.020	09/04/25	XLY
Heptachlor epoxide	ND	5.1	ug/Kg	1.020	09/04/25	XLY
Endosulfan I	ND	5.1	ug/Kg	1.020	09/04/25	XLY
Dieldrin	ND	5.1	ug/Kg	1.020	09/04/25	XLY
4,4'-DDE	**480**	26	ug/Kg	5.102	09/05/25	MES
Endrin	ND	5.1	ug/Kg	1.020	09/04/25	XLY
Endosulfan II	ND	5.1	ug/Kg	1.020	09/04/25	XLY
Endosulfan sulfate	ND	5.1	ug/Kg	1.020	09/04/25	XLY
4,4'-DDD	**41**	5.1	ug/Kg	1.020	09/04/25	XLY
Endrin aldehyde	ND	5.1	ug/Kg	1.020	09/04/25	XLY
Endrin ketone	ND	5.1	ug/Kg	1.020	09/04/25	XLY
4,4'-DDT	**95**	5.1	ug/Kg	1.020	09/04/25	XLY
Methoxychlor	ND	10	ug/Kg	1.020	09/04/25	XLY
Toxaphene	ND	100	ug/Kg	1.020	09/04/25	XLY
Chlordane (Technical)	**83**	51	ug/Kg	1.020	09/04/25	XLY

540981-089 Surrogate	%REC	Limits	DF	Analyzed	Analyst
TCMX	73	58-120	1.020	09/04/25	XLY
Decachlorobiphenyl	62	47-120	1.020	09/04/25	XLY

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-11	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-090	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	1.010	**Analyzed:**	09/04/25		

540981-090 Analyte	Result	RL	Units
alpha-BHC	ND	5.1	ug/Kg
beta-BHC	ND	5.1	ug/Kg
gamma-BHC	ND	5.1	ug/Kg
delta-BHC	ND	5.1	ug/Kg
Heptachlor	ND	5.1	ug/Kg
Aldrin	ND	5.1	ug/Kg
Heptachlor epoxide	ND	5.1	ug/Kg
Endosulfan I	ND	5.1	ug/Kg
Dieldrin	ND	5.1	ug/Kg
4,4'-DDE	ND	5.1	ug/Kg
Endrin	ND	5.1	ug/Kg
Endosulfan II	ND	5.1	ug/Kg
Endosulfan sulfate	ND	5.1	ug/Kg
4,4'-DDD	ND	5.1	ug/Kg
Endrin aldehyde	ND	5.1	ug/Kg
Endrin ketone	ND	5.1	ug/Kg
4,4'-DDT	ND	5.1	ug/Kg
Methoxychlor	ND	10	ug/Kg
Toxaphene	ND	100	ug/Kg
Chlordane (Technical)	ND	51	ug/Kg

540981-090 Surrogate	%REC	Limits
TCMX	77	58-120
Decachlorobiphenyl	62	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-12	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-091	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	1.010	**Analyzed:**	09/04/25		

540981-091 Analyte	Result	RL	Units
alpha-BHC	ND	5.1	ug/Kg
beta-BHC	ND	5.1	ug/Kg
gamma-BHC	ND	5.1	ug/Kg
delta-BHC	ND	5.1	ug/Kg
Heptachlor	ND	5.1	ug/Kg
Aldrin	ND	5.1	ug/Kg
Heptachlor epoxide	ND	5.1	ug/Kg
Endosulfan I	ND	5.1	ug/Kg
Dieldrin	ND	5.1	ug/Kg
4,4'-DDE	ND	5.1	ug/Kg
Endrin	ND	5.1	ug/Kg
Endosulfan II	ND	5.1	ug/Kg
Endosulfan sulfate	ND	5.1	ug/Kg
4,4'-DDD	ND	5.1	ug/Kg
Endrin aldehyde	ND	5.1	ug/Kg
Endrin ketone	ND	5.1	ug/Kg
4,4'-DDT	ND	5.1	ug/Kg
Methoxychlor	ND	10	ug/Kg
Toxaphene	ND	100	ug/Kg
Chlordane (Technical)	ND	51	ug/Kg

540981-091 Surrogate	%REC	Limits
TCMX	75	58-120
Decachlorobiphenyl	61	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-13	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-092	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	MES
Basis:	as received	**Prepared:**	09/04/25		
DF:	1.010	**Analyzed:**	09/04/25		

540981-092 Analyte	Result	RL	Units
alpha-BHC	ND	5.1	ug/Kg
beta-BHC	ND	5.1	ug/Kg
gamma-BHC	ND	5.1	ug/Kg
delta-BHC	ND	5.1	ug/Kg
Heptachlor	ND	5.1	ug/Kg
Aldrin	ND	5.1	ug/Kg
Heptachlor epoxide	ND	5.1	ug/Kg
Endosulfan I	ND	5.1	ug/Kg
Dieldrin	ND	5.1	ug/Kg
4,4'-DDE	ND	5.1	ug/Kg
Endrin	ND	5.1	ug/Kg
Endosulfan II	ND	5.1	ug/Kg
Endosulfan sulfate	ND	5.1	ug/Kg
4,4'-DDD	ND	5.1	ug/Kg
Endrin aldehyde	ND	5.1	ug/Kg
Endrin ketone	ND	5.1	ug/Kg
4,4'-DDT	ND	5.1	ug/Kg
Methoxychlor	ND	10	ug/Kg
Toxaphene	ND	100	ug/Kg
Chlordane (Technical)	ND	51	ug/Kg

540981-092 Surrogate	%REC	Limits
TCMX	75	58-120
Decachlorobiphenyl	58	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-14	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-093	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	MES
Basis:	as received	**Prepared:**	09/04/25		
DF:	0.9901	**Analyzed:**	09/05/25		

540981-093 Analyte	Result	RL	Units
alpha-BHC	ND	5.0	ug/Kg
beta-BHC	ND	5.0	ug/Kg
gamma-BHC	ND	5.0	ug/Kg
delta-BHC	ND	5.0	ug/Kg
Heptachlor	ND	5.0	ug/Kg
Aldrin	ND	5.0	ug/Kg
Heptachlor epoxide	ND	5.0	ug/Kg
Endosulfan I	ND	5.0	ug/Kg
Dieldrin	ND	5.0	ug/Kg
4,4'-DDE	ND	5.0	ug/Kg
Endrin	ND	5.0	ug/Kg
Endosulfan II	ND	5.0	ug/Kg
Endosulfan sulfate	ND	5.0	ug/Kg
4,4'-DDD	ND	5.0	ug/Kg
Endrin aldehyde	ND	5.0	ug/Kg
Endrin ketone	ND	5.0	ug/Kg
4,4'-DDT	ND	5.0	ug/Kg
Methoxychlor	ND	9.9	ug/Kg
Toxaphene	ND	99	ug/Kg
Chlordane (Technical)	ND	50	ug/Kg

540981-093 Surrogate	%REC	Limits
TCMX	76	58-120
Decachlorobiphenyl	81	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-15	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-094	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	1.010	**Analyzed:**	09/04/25		

540981-094 Analyte	Result	RL	Units
alpha-BHC	ND	5.1	ug/Kg
beta-BHC	ND	5.1	ug/Kg
gamma-BHC	ND	5.1	ug/Kg
delta-BHC	ND	5.1	ug/Kg
Heptachlor	ND	5.1	ug/Kg
Aldrin	ND	5.1	ug/Kg
Heptachlor epoxide	ND	5.1	ug/Kg
Endosulfan I	ND	5.1	ug/Kg
Dieldrin	ND	5.1	ug/Kg
4,4'-DDE	ND	5.1	ug/Kg
Endrin	ND	5.1	ug/Kg
Endosulfan II	ND	5.1	ug/Kg
Endosulfan sulfate	ND	5.1	ug/Kg
4,4'-DDD	ND	5.1	ug/Kg
Endrin aldehyde	ND	5.1	ug/Kg
Endrin ketone	ND	5.1	ug/Kg
4,4'-DDT	ND	5.1	ug/Kg
Methoxychlor	ND	10	ug/Kg
Toxaphene	ND	100	ug/Kg
Chlordane (Technical)	ND	51	ug/Kg

540981-094 Surrogate	%REC	Limits
TCMX	65	58-120
Decachlorobiphenyl	51	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-16	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-095	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	0.9804	**Analyzed:**	09/04/25		

540981-095 Analyte	Result	RL	Units
alpha-BHC	ND	4.9	ug/Kg
beta-BHC	ND	4.9	ug/Kg
gamma-BHC	ND	4.9	ug/Kg
delta-BHC	ND	4.9	ug/Kg
Heptachlor	ND	4.9	ug/Kg
Aldrin	ND	4.9	ug/Kg
Heptachlor epoxide	ND	4.9	ug/Kg
Endosulfan I	ND	4.9	ug/Kg
Dieldrin	ND	4.9	ug/Kg
4,4'-DDE	ND	4.9	ug/Kg
Endrin	ND	4.9	ug/Kg
Endosulfan II	ND	4.9	ug/Kg
Endosulfan sulfate	ND	4.9	ug/Kg
4,4'-DDD	ND	4.9	ug/Kg
Endrin aldehyde	ND	4.9	ug/Kg
Endrin ketone	ND	4.9	ug/Kg
4,4'-DDT	ND	4.9	ug/Kg
Methoxychlor	ND	9.8	ug/Kg
Toxaphene	ND	98	ug/Kg
Chlordane (Technical)	ND	49	ug/Kg

540981-095 Surrogate	%REC	Limits
TCMX	66	58-120
Decachlorobiphenyl	61	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-2 DUP	**Batch#:**	380800	**Prep:**	EPA 3546
Lab ID:	540981-096	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	HQN
Basis:	as received	**Prepared:**	09/02/25		
DF:	1.010	**Analyzed:**	09/03/25		

540981-096 Analyte	Result	RL	Units
alpha-BHC	ND	5.1	ug/Kg
beta-BHC	ND	5.1	ug/Kg
gamma-BHC	ND	5.1	ug/Kg
delta-BHC	ND	5.1	ug/Kg
Heptachlor	ND	5.1	ug/Kg
Aldrin	ND	5.1	ug/Kg
Heptachlor epoxide	ND	5.1	ug/Kg
Endosulfan I	ND	5.1	ug/Kg
Dieldrin	ND	5.1	ug/Kg
4,4'-DDE	ND	5.1	ug/Kg
Endrin	ND	5.1	ug/Kg
Endosulfan II	ND	5.1	ug/Kg
Endosulfan sulfate	ND	5.1	ug/Kg
4,4'-DDD	ND	5.1	ug/Kg
Endrin aldehyde	ND	5.1	ug/Kg
Endrin ketone	ND	5.1	ug/Kg
4,4'-DDT	ND	5.1	ug/Kg
Methoxychlor	ND	10	ug/Kg
Toxaphene	ND	100	ug/Kg
Chlordane (Technical)	ND	51	ug/Kg

540981-096 Surrogate	%REC	Limits
TCMX	102	58-120
Decachlorobiphenyl	95	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-9 DUP	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-099	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	MES
Basis:	as received	**Prepared:**	09/04/25		
DF:	0.9901	**Analyzed:**	09/05/25		

540981-099 Analyte	Result	RL	Units
alpha-BHC	ND	5.0	ug/Kg
beta-BHC	ND	5.0	ug/Kg
gamma-BHC	ND	5.0	ug/Kg
delta-BHC	ND	5.0	ug/Kg
Heptachlor	ND	5.0	ug/Kg
Aldrin	ND	5.0	ug/Kg
Heptachlor epoxide	ND	5.0	ug/Kg
Endosulfan I	ND	5.0	ug/Kg
Dieldrin	ND	5.0	ug/Kg
4,4'-DDE	ND	5.0	ug/Kg
Endrin	ND	5.0	ug/Kg
Endosulfan II	ND	5.0	ug/Kg
Endosulfan sulfate	ND	5.0	ug/Kg
4,4'-DDD	ND	5.0	ug/Kg
Endrin aldehyde	ND	5.0	ug/Kg
Endrin ketone	ND	5.0	ug/Kg
4,4'-DDT	ND	5.0	ug/Kg
Methoxychlor	ND	9.9	ug/Kg
Toxaphene	ND	99	ug/Kg
Chlordane (Technical)	ND	50	ug/Kg

540981-099 Surrogate	%REC	Limits
TCMX	68	58-120
Decachlorobiphenyl	70	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-13 DUP	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	540981-102	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY
Basis:	as received	**Prepared:**	09/04/25		
DF:	1.020	**Analyzed:**	09/04/25		

540981-102 Analyte	Result	RL	Units
alpha-BHC	ND	5.1	ug/Kg
beta-BHC	ND	5.1	ug/Kg
gamma-BHC	ND	5.1	ug/Kg
delta-BHC	ND	5.1	ug/Kg
Heptachlor	ND	5.1	ug/Kg
Aldrin	ND	5.1	ug/Kg
Heptachlor epoxide	ND	5.1	ug/Kg
Endosulfan I	ND	5.1	ug/Kg
Dieldrin	ND	5.1	ug/Kg
4,4'-DDE	ND	5.1	ug/Kg
Endrin	ND	5.1	ug/Kg
Endosulfan II	ND	5.1	ug/Kg
Endosulfan sulfate	ND	5.1	ug/Kg
4,4'-DDD	ND	5.1	ug/Kg
Endrin aldehyde	ND	5.1	ug/Kg
Endrin ketone	ND	5.1	ug/Kg
4,4'-DDT	ND	5.1	ug/Kg
Methoxychlor	ND	10	ug/Kg
Toxaphene	ND	100	ug/Kg
Chlordane (Technical)	ND	51	ug/Kg

540981-102 Surrogate	%REC	Limits
TCMX	74	58-120
Decachlorobiphenyl	69	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Type: BLANK **Batch#:** 380800 **Analysis:** EPA 8081A

Lab ID: QC1289770 **Prepared:** 09/02/25 **Analyst:** HQN

Matrix: Soil **Analyzed:** 09/02/25

DF: 0.9901 **Prep:** EPA 3546

QC1289770 Analyte	Result	RL	Units
alpha-BHC	ND	5.0	ug/Kg
beta-BHC	ND	5.0	ug/Kg
gamma-BHC	ND	5.0	ug/Kg
delta-BHC	ND	5.0	ug/Kg
Heptachlor	ND	5.0	ug/Kg
Aldrin	ND	5.0	ug/Kg
Heptachlor epoxide	ND	5.0	ug/Kg
Endosulfan I	ND	5.0	ug/Kg
Dieldrin	ND	5.0	ug/Kg
4,4'-DDE	ND	5.0	ug/Kg
Endrin	ND	5.0	ug/Kg
Endosulfan II	ND	5.0	ug/Kg
Endosulfan sulfate	ND	5.0	ug/Kg
4,4'-DDD	ND	5.0	ug/Kg
Endrin aldehyde	ND	5.5	ug/Kg
Endrin ketone	ND	5.0	ug/Kg
4,4'-DDT	ND	5.0	ug/Kg
Methoxychlor	ND	9.9	ug/Kg
Toxaphene	ND	99	ug/Kg
Chlordane (Technical)	ND	50	ug/Kg

QC1289770 Surrogate	%REC	Limits
TCMX	88	58-120
Decachlorobiphenyl	100	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Type: LCS **Batch#:** 380800 **Analysis:** EPA 8081A

Lab ID: QC1289771 **Prepared:** 09/02/25 **Analyst:** HQN

Matrix: Soil **Analyzed:** 09/02/25

DF: 0.9911 **Prep:** EPA 3546

QC1289771 Analyte	Spiked	Result	%REC	Limits	Units	Qual
alpha-BHC	49.55	48.47	98	53-132	ug/Kg	
beta-BHC	49.55	46.17	93	59-131	ug/Kg	
gamma-BHC	49.55	49.39	100	54-132	ug/Kg	
delta-BHC	49.55	48.72	98	54-134	ug/Kg	
Heptachlor	49.55	50.18	101	50-130	ug/Kg	
Aldrin	49.55	47.52	96	46-120	ug/Kg	
Heptachlor epoxide	49.55	47.84	97	52-127	ug/Kg	
Endosulfan I	49.55	48.65	98	53-132	ug/Kg	
Dieldrin	49.55	50.19	101	53-134	ug/Kg	
4,4'-DDE	49.55	51.93	105	53-140	ug/Kg	
Endrin	49.55	54.37	110	53-142	ug/Kg	#
Endosulfan II	49.55	50.94	103	53-138	ug/Kg	
Endosulfan sulfate	49.55	45.34	91	50-134	ug/Kg	
4,4'-DDD	49.55	47.50	96	50-136	ug/Kg	
Endrin aldehyde	49.55	42.87	87	15-120	ug/Kg	
Endrin ketone	49.55	50.93	103	50-146	ug/Kg	
4,4'-DDT	49.55	52.04	105	46-142	ug/Kg	
Methoxychlor	49.55	57.66	116	48-156	ug/Kg	

QC1289771 Surrogate	%REC	Limits
TCMX	87	58-120
Decachlorobiphenyl	99	47-120

Legend

#: CCV drift outside limits; average CCV drift within limits per method requirements

ENTHALPY ANALYTICAL

Organochlorine Pesticides: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	09/02/25
Type:	MS	**DF:**	0.9950	**Analyzed:**	09/02/25
MSS Lab ID:	540655-001	**Batch#:**	380800	**Prep:**	EPA 3546
Lab ID:	QC1289772	**Sampled:**	08/22/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/22/25	**Analyst:**	HQN

QC1289772 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units	Qual
alpha-BHC	<1.529	49.75	50.35	101	52-120	ug/Kg	
beta-BHC	<1.625	49.75	44.98	90	57-126	ug/Kg	
gamma-BHC	<1.361	49.75	50.60	102	54-122	ug/Kg	
delta-BHC	<1.593	49.75	47.93	96	44-127	ug/Kg	
Heptachlor	<1.375	49.75	51.60	104	51-122	ug/Kg	
Aldrin	<2.024	49.75	59.45	120	51-120	ug/Kg	
Heptachlor epoxide	<1.533	49.75	49.26	99	50-122	ug/Kg	
Endosulfan I	<1.386	49.75	48.41	82	48-123	ug/Kg	
Dieldrin	<1.437	49.75	52.79	106	48-128	ug/Kg	
4,4'-DDE	8.372	49.75	59.32	102	50-139	ug/Kg	
Endrin	<1.556	49.75	51.33	103	53-132	ug/Kg	#
Endosulfan II	<1.467	49.75	48.31	97	47-131	ug/Kg	
Endosulfan sulfate	<1.460	49.75	51.23	103	40-126	ug/Kg	
4,4'-DDD	<2.385	49.75	43.86	79	48-130	ug/Kg	
Endrin aldehyde	<5.534	49.75	37.62	76	26-120	ug/Kg	
Endrin ketone	<2.043	49.75	47.83	96	51-133	ug/Kg	
4,4'-DDT	4.414	49.75	59.62	111	40-144	ug/Kg	
Methoxychlor	<3.925	49.75	54.66	110	49-148	ug/Kg	

QC1289772 Surrogate	%REC	Limits
TCMX	88	58-120
Decachlorobiphenyl	88	47-120

ENTHALPY ANALYTICAL

Organochlorine Pesticides: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	09/02/25
Type:	MSD	**DF:**	1.001	**Analyzed:**	09/02/25
MSS Lab ID:	540655-001	**Batch#:**	380800	**Prep:**	EPA 3546
Lab ID:	QC1289773	**Sampled:**	08/22/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/22/25	**Analyst:**	HQN

QC1289773 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
alpha-BHC	50.05	51.13	102	52-120	ug/Kg	1	37	
beta-BHC	50.05	45.41	91	57-126	ug/Kg	0	38	
gamma-BHC	50.05	52.15	104	54-122	ug/Kg	2	39	
delta-BHC	50.05	50.76	101	44-127	ug/Kg	5	54	
Heptachlor	50.05	104.8	209 *	51-122	ug/Kg	68 *	44	
Aldrin	50.05	68.71	137 *	51-120	ug/Kg	14	39	
Heptachlor epoxide	50.05	64.20	128 *	50-122	ug/Kg	26	39	
Endosulfan I	50.05	44.33	74	48-123	ug/Kg	9	47	
Dieldrin	50.05	51.68	103	48-128	ug/Kg	3	43	
4,4'-DDE	50.05	388.3 E	759 *	50-139	ug/Kg	NC	42	
Endrin	50.05	63.15	126	53-132	ug/Kg	20	45	#
Endosulfan II	50.05	48.79	97	47-131	ug/Kg	0	46	
Endosulfan sulfate	50.05	51.67	103	40-126	ug/Kg	0	52	
4,4'-DDD	50.05	51.31	93	48-130	ug/Kg	15	46	
Endrin aldehyde	50.05	36.74	73	26-120	ug/Kg	3	57	
Endrin ketone	50.05	47.65	95	51-133	ug/Kg	1	43	
4,4'-DDT	50.05	601.5 E	1193 *	40-144	ug/Kg	NC	56	
Methoxychlor	50.05	52.09	104	49-148	ug/Kg	5	53	

QC1289773 Surrogate	%REC	Limits
TCMX	91	58-120
Decachlorobiphenyl	81	47-120

Legend

#: CCV drift outside limits; average CCV drift within limits per method requirements

***:** Value is outside QC limits

E: Response exceeds instrument's linear range

NC: Not Calculated

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Organochlorine Pesticides: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Type: BLANK **Batch#:** 381020 **Analysis:** EPA 8081A

Lab ID: QC1290470 **Prepared:** 09/04/25 **Analyst:** XLY

Matrix: Soil **Analyzed:** 09/04/25

DF: 1.010 **Prep:** EPA 3546

QC1290470 Analyte	Result	RL	Units
alpha-BHC	ND	5.1	ug/Kg
beta-BHC	ND	5.1	ug/Kg
gamma-BHC	ND	5.1	ug/Kg
delta-BHC	ND	5.1	ug/Kg
Heptachlor	ND	5.1	ug/Kg
Aldrin	ND	5.1	ug/Kg
Heptachlor epoxide	ND	5.1	ug/Kg
Endosulfan I	ND	5.1	ug/Kg
Dieldrin	ND	5.1	ug/Kg
4,4'-DDE	ND	5.1	ug/Kg
Endrin	ND	5.1	ug/Kg
Endosulfan II	ND	5.1	ug/Kg
Endosulfan sulfate	ND	5.1	ug/Kg
4,4'-DDD	ND	5.1	ug/Kg
Endrin aldehyde	ND	5.1	ug/Kg
Endrin ketone	ND	5.1	ug/Kg
4,4'-DDT	ND	5.1	ug/Kg
Methoxychlor	ND	10	ug/Kg
Toxaphene	ND	100	ug/Kg
Chlordane (Technical)	ND	51	ug/Kg

QC1290470 Surrogate	%REC	Limits
TCMX	80	58-120
Decachlorobiphenyl	69	47-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Type: LCS **Batch#:** 381020 **Analysis:** EPA 8081A

Lab ID: QC1290471 **Prepared:** 09/04/25 **Analyst:** XLY

Matrix: Soil **Analyzed:** 09/04/25

DF: 1.020 **Prep:** EPA 3546

QC1290471 Analyte	Spiked	Result	%REC	Limits	Units
alpha-BHC	51.02	59.25	116	53-132	ug/Kg
beta-BHC	51.02	53.41	105	59-131	ug/Kg
gamma-BHC	51.02	60.07	118	54-132	ug/Kg
delta-BHC	51.02	60.05	118	54-134	ug/Kg
Heptachlor	51.02	59.89	117	50-130	ug/Kg
Aldrin	51.02	51.07	100	46-120	ug/Kg
Heptachlor epoxide	51.02	56.45	111	52-127	ug/Kg
Endosulfan I	51.02	60.20	118	53-132	ug/Kg
Dieldrin	51.02	57.49	113	53-134	ug/Kg
4,4'-DDE	51.02	61.00	120	53-140	ug/Kg
Endrin	51.02	59.81	117	53-142	ug/Kg
Endosulfan II	51.02	56.10	110	53-138	ug/Kg
Endosulfan sulfate	51.02	53.47	105	50-134	ug/Kg
4,4'-DDD	51.02	62.48	122	50-136	ug/Kg
Endrin aldehyde	51.02	41.66	82	15-120	ug/Kg
Endrin ketone	51.02	45.38	89	50-146	ug/Kg
4,4'-DDT	51.02	36.14	71	46-142	ug/Kg
Methoxychlor	51.02	35.02	69	48-156	ug/Kg

QC1290471 Surrogate	%REC	Limits
TCMX	87	58-120
Decachlorobiphenyl	66	47-120

ENTHALPY ANALYTICAL

Organochlorine Pesticides: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-13	**Basis:**	as received	**Prepared:**	09/04/25
Type:	MS	**DF:**	1.010	**Analyzed:**	09/04/25
MSS Lab ID:	540981-092	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	QC1290472	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY

QC1290472 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
alpha-BHC	<1.940	50.51	49.37	98	52-120	ug/Kg
beta-BHC	<2.219	50.51	47.27	94	57-126	ug/Kg
gamma-BHC	<1.516	50.51	49.21	97	54-122	ug/Kg
delta-BHC	<1.906	50.51	50.95	101	44-127	ug/Kg
Heptachlor	<1.934	50.51	46.81	93	51-122	ug/Kg
Aldrin	<1.917	50.51	45.24	90	51-120	ug/Kg
Heptachlor epoxide	<1.858	50.51	47.46	94	50-122	ug/Kg
Endosulfan I	<1.831	50.51	48.99	97	48-123	ug/Kg
Dieldrin	<2.389	50.51	48.55	96	48-128	ug/Kg
4,4'-DDE	3.245	50.51	53.03	99	50-139	ug/Kg
Endrin	<2.257	50.51	49.74	98	53-132	ug/Kg
Endosulfan II	<2.056	50.51	50.05	99	47-131	ug/Kg
Endosulfan sulfate	<2.841	50.51	45.27	90	40-126	ug/Kg
4,4'-DDD	<1.953	50.51	59.67	118	48-130	ug/Kg
Endrin aldehyde	<3.597	50.51	37.13	74	26-120	ug/Kg
Endrin ketone	<2.221	50.51	35.66	71	51-133	ug/Kg
4,4'-DDT	3.277	50.51	31.84	57	40-144	ug/Kg
Methoxychlor	<3.930	50.51	24.20	48 *	49-148	ug/Kg

QC1290472 Surrogate	%REC	Limits
TCMX	75	58-120
Decachlorobiphenyl	64	47-120

ENTHALPY ANALYTICAL

Organochlorine Pesticides: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	CS-13	**Basis:**	as received	**Prepared:**	09/04/25
Type:	MSD	**DF:**	0.9804	**Analyzed:**	09/04/25
MSS Lab ID:	540981-092	**Batch#:**	381020	**Prep:**	EPA 3546
Lab ID:	QC1290473	**Sampled:**	08/26/25	**Analysis:**	EPA 8081A
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	XLY

QC1290473 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
alpha-BHC	49.02	44.04	90	52-120	ug/Kg	8	37
beta-BHC	49.02	41.20	84	57-126	ug/Kg	11	38
gamma-BHC	49.02	43.24	88	54-122	ug/Kg	10	39
delta-BHC	49.02	42.13	86	44-127	ug/Kg	16	54
Heptachlor	49.02	41.58	85	51-122	ug/Kg	9	44
Aldrin	49.02	40.31	82	51-120	ug/Kg	9	39
Heptachlor epoxide	49.02	41.62	85	50-122	ug/Kg	10	39
Endosulfan I	49.02	42.90	88	48-123	ug/Kg	10	47
Dieldrin	49.02	42.72	87	48-128	ug/Kg	10	43
4,4'-DDE	49.02	48.12	92	50-139	ug/Kg	7	42
Endrin	49.02	43.65	89	53-132	ug/Kg	10	45
Endosulfan II	49.02	43.41	89	47-131	ug/Kg	11	46
Endosulfan sulfate	49.02	37.84	77	40-126	ug/Kg	15	52
4,4'-DDD	49.02	51.02	104	48-130	ug/Kg	13	46
Endrin aldehyde	49.02	30.99	63	26-120	ug/Kg	15	57
Endrin ketone	49.02	30.40	62	51-133	ug/Kg	13	43
4,4'-DDT	49.02	24.59	43	40-144	ug/Kg	23	56
Methoxychlor	49.02	19.75	40 *	49-148	ug/Kg	17	53

QC1290473 Surrogate	%REC	Limits
TCMX	72	58-120
Decachlorobiphenyl	59	47-120

Legend

*: Value is outside QC limits

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	TF-1A (SURF)	**Batch#:**	380916	**Prep:**	EPA 3546
Lab ID:	540981-029	**Sampled:**	08/26/25	**Analysis:**	EPA 8082
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	HQN
Basis:	as received	**Prepared:**	09/03/25		
DF:	1.000	**Analyzed:**	09/05/25		

540981-029 Analyte	Result	RL	Units
Aroclor-1016	ND	50	ug/Kg
Aroclor-1221	ND	50	ug/Kg
Aroclor-1232	ND	50	ug/Kg
Aroclor-1242	ND	50	ug/Kg
Aroclor-1248	ND	50	ug/Kg
Aroclor-1254	ND	50	ug/Kg
Aroclor-1260	ND	50	ug/Kg
Aroclor-1262	ND	50	ug/Kg
Aroclor-1268	ND	50	ug/Kg

540981-029 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	66	50-127

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	TF-1B (SURF)	**Batch#:**	380916	**Prep:**	EPA 3546
Lab ID:	540981-030	**Sampled:**	08/26/25	**Analysis:**	EPA 8082
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	HQN
Basis:	as received	**Prepared:**	09/03/25		
DF:	1.000	**Analyzed:**	09/05/25		

540981-030 Analyte	Result	RL	Units
Aroclor-1016	ND	50	ug/Kg
Aroclor-1221	ND	50	ug/Kg
Aroclor-1232	ND	50	ug/Kg
Aroclor-1242	ND	50	ug/Kg
Aroclor-1248	ND	50	ug/Kg
Aroclor-1254	ND	50	ug/Kg
Aroclor-1260	ND	50	ug/Kg
Aroclor-1262	ND	50	ug/Kg
Aroclor-1268	ND	50	ug/Kg

540981-030 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	73	50-127

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	TF-2 (SURF)	**Batch#:**	380916	**Prep:**	EPA 3546
Lab ID:	540981-039	**Sampled:**	08/26/25	**Analysis:**	EPA 8082
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	HQN
Basis:	as received	**Prepared:**	09/03/25		
DF:	1.010	**Analyzed:**	09/05/25		

540981-039 Analyte	Result	RL	Units
Aroclor-1016	ND	51	ug/Kg
Aroclor-1221	ND	51	ug/Kg
Aroclor-1232	ND	51	ug/Kg
Aroclor-1242	ND	51	ug/Kg
Aroclor-1248	ND	51	ug/Kg
Aroclor-1254	ND	51	ug/Kg
Aroclor-1260	ND	51	ug/Kg
Aroclor-1262	ND	51	ug/Kg
Aroclor-1268	ND	51	ug/Kg

540981-039 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	80	50-127

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Type: BLANK **Batch#:** 380916 **Analysis:** EPA 8082

Lab ID: QC1290136 **Prepared:** 09/03/25 **Analyst:** HQN

Matrix: Soil **Analyzed:** 09/03/25

DF: 1.000 **Prep:** EPA 3546

QC1290136 Analyte	Result	RL	Units
Aroclor-1016	ND	50	ug/Kg
Aroclor-1221	ND	50	ug/Kg
Aroclor-1232	ND	50	ug/Kg
Aroclor-1242	ND	50	ug/Kg
Aroclor-1248	ND	50	ug/Kg
Aroclor-1254	ND	50	ug/Kg
Aroclor-1260	ND	50	ug/Kg
Aroclor-1262	ND	50	ug/Kg
Aroclor-1268	ND	50	ug/Kg

QC1290136 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	72	50-127

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Type: LCS **Batch#:** 380916 **Analysis:** EPA 8082

Lab ID: QC1290137 **Prepared:** 09/03/25 **Analyst:** HQN

Matrix: Soil **Analyzed:** 09/03/25

DF: 1.000 **Prep:** EPA 3546

QC1290137 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	500.0	428.3	86	66-120	ug/Kg
Aroclor-1260	500.0	401.4	80	63-126	ug/Kg

QC1290137 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	77	50-127

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	09/03/25
Type:	MS	**DF:**	1.000	**Analyzed:**	09/03/25
MSS Lab ID:	540916-001	**Batch#:**	380916	**Prep:**	EPA 3546
Lab ID:	QC1290138	**Sampled:**	08/26/25	**Analysis:**	EPA 8082
Matrix:	Soil	**Received:**	08/27/25	**Analyst:**	HQN

QC1290138 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Aroclor-1016	<23.94	500.0	356.7	71	60-123	ug/Kg
Aroclor-1260	<25.47	500.0	507.5	101	55-136	ug/Kg

QC1290138 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	62	50-127

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	09/03/25
Type:	MSD	**DF:**	1.000	**Analyzed:**	09/03/25
MSS Lab ID:	540916-001	**Batch#:**	380916	**Prep:**	EPA 3546
Lab ID:	QC1290139	**Sampled:**	08/26/25	**Analysis:**	EPA 8082
Matrix:	Soil	**Received:**	08/27/25	**Analyst:**	HQN

QC1290139 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	500.0	339.8	68	60-123	ug/Kg	5	37
Aroclor-1260	500.0	493.3	99	55-136	ug/Kg	3	41

QC1290139 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	60	50-127

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID: AG-1 (SURF) **DF:** 0.9804 **Analyzed:** 08/29/25
Type: SAMPLE **Batch#:** 380684 **Prep:** EPA 3050B
Lab ID: 540981-001 **Sampled:** 08/27/25 **Analysis:** EPA 6020
Matrix: Soil **Received:** 08/28/25 **Analyst:** DXC
Basis: as received **Prepared:** 08/29/25

540981-001 Analyte	Result	RL	Units
Arsenic	**3.3**	0.98	mg/Kg
Lead	**6.2**	0.98	mg/Kg

Field ID: AG-6 (SURF) **DF:** 0.9524 **Analyzed:** 08/29/25
Type: SAMPLE **Batch#:** 380684 **Prep:** EPA 3050B
Lab ID: 540981-006 **Sampled:** 08/27/25 **Analysis:** EPA 6020
Matrix: Soil **Received:** 08/28/25 **Analyst:** DXC
Basis: as received **Prepared:** 08/29/25

540981-006 Analyte	Result	RL	Units
Arsenic	**4.1**	0.95	mg/Kg
Lead	**6.8**	0.95	mg/Kg

Field ID: AG-11 (SURF) **DF:** 0.9804 **Analyzed:** 08/29/25
Type: SAMPLE **Batch#:** 380684 **Prep:** EPA 3050B
Lab ID: 540981-013 **Sampled:** 08/27/25 **Analysis:** EPA 6020
Matrix: Soil **Received:** 08/28/25 **Analyst:** DXC
Basis: as received **Prepared:** 08/29/25

540981-013 Analyte	Result	RL	Units
Arsenic	**3.6**	0.98	mg/Kg
Lead	**6.5**	0.98	mg/Kg

Field ID: AG-14 (SURF) **DF:** 0.9709 **Analyzed:** 08/29/25
Type: SAMPLE **Batch#:** 380684 **Prep:** EPA 3050B
Lab ID: 540981-016 **Sampled:** 08/27/25 **Analysis:** EPA 6020
Matrix: Soil **Received:** 08/28/25 **Analyst:** DXC
Basis: as received **Prepared:** 08/29/25

540981-016 Analyte	Result	RL	Units
Arsenic	**3.7**	0.97	mg/Kg
Lead	**7.0**	0.97	mg/Kg

Field ID: AG-17 (SURF) **DF:** 0.9901 **Analyzed:** 08/29/25
Type: SAMPLE **Batch#:** 380684 **Prep:** EPA 3050B
Lab ID: 540981-021 **Sampled:** 08/27/25 **Analysis:** EPA 6020
Matrix: Soil **Received:** 08/28/25 **Analyst:** DXC
Basis: as received **Prepared:** 08/29/25

540981-021 Analyte	Result	RL	Units
Arsenic	**3.9**	0.99	mg/Kg
Lead	**6.5**	0.99	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	AG-22 (SURF)	**DF:**	0.9524	**Analyzed:**	08/29/25
Type:	SAMPLE	**Batch#:**	380684	**Prep:**	EPA 3050B
Lab ID:	540981-026	**Sampled:**	08/27/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	DXC
Basis:	as received	**Prepared:**	08/29/25		

540981-026 Analyte	Result	RL	Units
Arsenic	**2.9**	0.95	mg/Kg
Lead	**7.1**	0.95	mg/Kg

Field ID:	AG-27 (SURF)	**DF:**	0.9804	**Analyzed:**	08/29/25
Type:	SAMPLE	**Batch#:**	380684	**Prep:**	EPA 3050B
Lab ID:	540981-033	**Sampled:**	08/27/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	DXC
Basis:	as received	**Prepared:**	08/29/25		

540981-033 Analyte	Result	RL	Units
Arsenic	**3.2**	0.98	mg/Kg
Lead	**9.0**	0.98	mg/Kg

Field ID:	R-1 (SURF)	**DF:**	0.9804	**Analyzed:**	08/29/25
Type:	SAMPLE	**Batch#:**	380684	**Prep:**	EPA 3050B
Lab ID:	540981-035	**Sampled:**	08/27/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	DXC
Basis:	as received	**Prepared:**	08/29/25		

540981-035 Analyte	Result	RL	Units
Lead	**17**	0.98	mg/Kg

Field ID:	R-2 (SURF)	**DF:**	0.9524	**Analyzed:**	08/29/25
Type:	SAMPLE	**Batch#:**	380684	**Prep:**	EPA 3050B
Lab ID:	540981-036	**Sampled:**	08/27/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	DXC
Basis:	as received	**Prepared:**	08/29/25		

540981-036 Analyte	Result	RL	Units
Lead	**11**	0.95	mg/Kg

Field ID:	R-3 (SURF)	**DF:**	0.9709	**Analyzed:**	08/29/25
Type:	SAMPLE	**Batch#:**	380684	**Prep:**	EPA 3050B
Lab ID:	540981-037	**Sampled:**	08/27/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	DXC
Basis:	as received	**Prepared:**	08/29/25		

540981-037 Analyte	Result	RL	Units
Lead	**26**	0.97	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID: R-4 (SURF)	**DF:** 0.9901	**Analyzed:** 08/29/25	
Type: SAMPLE	**Batch#:** 380684	**Prep:** EPA 3050B	
Lab ID: 540981-038	**Sampled:** 08/27/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-038 Analyte	Result	RL	Units
Lead	**18**	0.99	mg/Kg

Field ID: R-5 (SURF)	**DF:** 0.9524	**Analyzed:** 08/29/25	
Type: SAMPLE	**Batch#:** 380684	**Prep:** EPA 3050B	
Lab ID: 540981-041	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-041 Analyte	Result	RL	Units
Lead	**4.6**	0.95	mg/Kg

Field ID: R-6 (SURF)	**DF:** 0.9524	**Analyzed:** 08/29/25	
Type: SAMPLE	**Batch#:** 380684	**Prep:** EPA 3050B	
Lab ID: 540981-042	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-042 Analyte	Result	RL	Units
Lead	**11**	0.95	mg/Kg

Field ID: R-7 (SURF)	**DF:** 0.9804	**Analyzed:** 08/29/25	
Type: SAMPLE	**Batch#:** 380684	**Prep:** EPA 3050B	
Lab ID: 540981-043	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-043 Analyte	Result	RL	Units
Lead	**3.8**	0.98	mg/Kg

Field ID: R-8 (SURF)	**DF:** 0.9615	**Analyzed:** 08/29/25	
Type: SAMPLE	**Batch#:** 380684	**Prep:** EPA 3050B	
Lab ID: 540981-044	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-044 Analyte	Result	RL	Units
Lead	**13**	0.96	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID: R-9 (SURF)	**DF:** 0.9524	**Analyzed:** 08/29/25
Type: SAMPLE	**Batch#:** 380684	**Prep:** EPA 3050B
Lab ID: 540981-045	**Sampled:** 08/26/25	**Analysis:** EPA 6020
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC
Basis: as received	**Prepared:** 08/29/25	

540981-045 Analyte	Result	RL	Units
Lead	**25**	0.95	mg/Kg

Field ID: R-10 (SURF)	**DF:** 0.9709	**Analyzed:** 08/29/25
Type: SAMPLE	**Batch#:** 380684	**Prep:** EPA 3050B
Lab ID: 540981-046	**Sampled:** 08/26/25	**Analysis:** EPA 6020
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC
Basis: as received	**Prepared:** 08/29/25	

540981-046 Analyte	Result	RL	Units
Lead	**51**	0.97	mg/Kg

Field ID: R-11 (SURF)	**DF:** 0.9615	**Analyzed:** 08/29/25
Type: SAMPLE	**Batch#:** 380684	**Prep:** EPA 3050B
Lab ID: 540981-047	**Sampled:** 08/26/25	**Analysis:** EPA 6020
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC
Basis: as received	**Prepared:** 08/29/25	

540981-047 Analyte	Result	RL	Units
Lead	**99**	0.96	mg/Kg

Field ID: R-12 (SURF)	**DF:** 0.9615	**Analyzed:** 08/29/25
Type: SAMPLE	**Batch#:** 380684	**Prep:** EPA 3050B
Lab ID: 540981-048	**Sampled:** 08/26/25	**Analysis:** EPA 6020
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC
Basis: as received	**Prepared:** 08/29/25	

540981-048 Analyte	Result	RL	Units
Lead	**16**	0.96	mg/Kg

Field ID: R-13 (SURF)	**DF:** 0.9524	**Analyzed:** 08/29/25
Type: SAMPLE	**Batch#:** 380684	**Prep:** EPA 3050B
Lab ID: 540981-051	**Sampled:** 08/26/25	**Analysis:** EPA 6020
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC
Basis: as received	**Prepared:** 08/29/25	

540981-051 Analyte	Result	RL	Units
Lead	**8.3**	0.95	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID: R-14 (SURF)	**DF:** 0.9804	**Analyzed:** 08/29/25
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B
Lab ID: 540981-052	**Sampled:** 08/26/25	**Analysis:** EPA 6020
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC
Basis: as received	**Prepared:** 08/29/25	

540981-052 Analyte	Result	RL	Units
Lead	**18**	0.98	mg/Kg

Field ID: R-15 (SURF)	**DF:** 0.9901	**Analyzed:** 08/29/25
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B
Lab ID: 540981-053	**Sampled:** 08/26/25	**Analysis:** EPA 6020
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC
Basis: as received	**Prepared:** 08/29/25	

540981-053 Analyte	Result	RL	Units
Lead	**6.8**	0.99	mg/Kg

Field ID: R-16 (SURF)	**DF:** 0.9524	**Analyzed:** 08/29/25
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B
Lab ID: 540981-054	**Sampled:** 08/26/25	**Analysis:** EPA 6020
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC
Basis: as received	**Prepared:** 08/29/25	

540981-054 Analyte	Result	RL	Units
Lead	**15**	0.95	mg/Kg

Field ID: R-1 (2.2.5')	**DF:** 0.9901	**Analyzed:** 08/29/25
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B
Lab ID: 540981-055	**Sampled:** 08/26/25	**Analysis:** EPA 6020
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC
Basis: as received	**Prepared:** 08/29/25	

540981-055 Analyte	Result	RL	Units
Lead	**4.5**	0.99	mg/Kg

Field ID: R-2 (2-2.5')	**DF:** 0.9615	**Analyzed:** 08/29/25
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B
Lab ID: 540981-056	**Sampled:** 08/26/25	**Analysis:** EPA 6020
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC
Basis: as received	**Prepared:** 08/29/25	

540981-056 Analyte	Result	RL	Units
Lead	**4.6**	0.96	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID: R-3 (2-2.5')	**DF:** 0.9804	**Analyzed:** 08/29/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-057	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-057 Analyte	Result	RL	Units
Lead	**5.6**	0.98	mg/Kg

Field ID: R-4 (2-2.5')	**DF:** 0.9524	**Analyzed:** 08/29/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-058	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-058 Analyte	Result	RL	Units
Lead	**4.7**	0.95	mg/Kg

Field ID: R-5 (2-2.5')	**DF:** 0.9615	**Analyzed:** 08/29/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-061	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-061 Analyte	Result	RL	Units
Lead	**26**	0.96	mg/Kg

Field ID: R-6 (2-2.5')	**DF:** 0.9901	**Analyzed:** 08/30/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-062	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-062 Analyte	Result	RL	Units
Lead	**4.2**	0.99	mg/Kg

Field ID: R-7 (2-2.5')	**DF:** 1.000	**Analyzed:** 08/30/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-063	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-063 Analyte	Result	RL	Units
Lead	**4.3**	1.0	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID: R-8 (2-2.5')	**DF:** 0.9524	**Analyzed:** 08/30/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-064	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-064 Analyte	Result	RL	Units
Lead	**5.2**	0.95	mg/Kg

Field ID: R-9 (2-2.5')	**DF:** 1.000	**Analyzed:** 08/30/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-065	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-065 Analyte	Result	RL	Units
Lead	**4.6**	1.0	mg/Kg

Field ID: R-10 (2-2.5')	**DF:** 1.000	**Analyzed:** 08/30/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-066	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-066 Analyte	Result	RL	Units
Lead	**4.5**	1.0	mg/Kg

Field ID: R-11 (2-2.5')	**DF:** 0.9804	**Analyzed:** 08/30/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-067	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-067 Analyte	Result	RL	Units
Lead	**5.3**	0.98	mg/Kg

Field ID: R-12 (2-2.5')	**DF:** 0.9524	**Analyzed:** 08/30/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-068	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-068 Analyte	Result	RL	Units
Lead	**4.1**	0.95	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID: R-13 (2-2.5')	**DF:** 0.9901	**Analyzed:** 08/30/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-070	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-070 Analyte	Result	RL	Units
Lead	**4.2**	0.99	mg/Kg

Field ID: R-14 (2-2.5')	**DF:** 0.9615	**Analyzed:** 08/30/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-071	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-071 Analyte	Result	RL	Units
Lead	**4.3**	0.96	mg/Kg

Field ID: R-15 (2-2.5')	**DF:** 0.9709	**Analyzed:** 08/30/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-072	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-072 Analyte	Result	RL	Units
Lead	**4.0**	0.97	mg/Kg

Field ID: R-16 (2-2.5')	**DF:** 1.000	**Analyzed:** 08/30/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-073	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-073 Analyte	Result	RL	Units
Lead	**4.4**	1.0	mg/Kg

Field ID: W-1 (SURF)	**DF:** 0.9804	**Analyzed:** 08/30/25	
Type: SAMPLE	**Batch#:** 380690	**Prep:** EPA 3050B	
Lab ID: 540981-074	**Sampled:** 08/26/25	**Analysis:** EPA 6020	
Matrix: Soil	**Received:** 08/28/25	**Analyst:** DXC	
Basis: as received	**Prepared:** 08/29/25		

540981-074 Analyte	Result	RL	Units
Arsenic	**4.0**	0.98	mg/Kg
Lead	**7.0**	0.98	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	W-2 (SURF)	**DF:**	0.9709	**Analyzed:**	08/30/25
Type:	SAMPLE	**Batch#:**	380727	**Prep:**	EPA 3050B
Lab ID:	540981-075	**Sampled:**	08/26/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	KAM
Basis:	as received	**Prepared:**	08/30/25		

540981-075 Analyte	Result	RL	Units
Arsenic	**4.8**	0.97	mg/Kg
Lead	**8.9**	0.97	mg/Kg

Field ID:	W-3 (SURF)	**DF:**	0.9524	**Analyzed:**	08/30/25
Type:	SAMPLE	**Batch#:**	380727	**Prep:**	EPA 3050B
Lab ID:	540981-076	**Sampled:**	08/26/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	KAM
Basis:	as received	**Prepared:**	08/30/25		

540981-076 Analyte	Result	RL	Units
Arsenic	**4.3**	0.95	mg/Kg
Lead	**8.5**	0.95	mg/Kg

Field ID:	W-4 (SURF)	**DF:**	0.9901	**Analyzed:**	08/30/25
Type:	SAMPLE	**Batch#:**	380727	**Prep:**	EPA 3050B
Lab ID:	540981-077	**Sampled:**	08/26/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	KAM
Basis:	as received	**Prepared:**	08/30/25		

540981-077 Analyte	Result	RL	Units
Arsenic	**4.2**	0.99	mg/Kg
Lead	**8.9**	0.99	mg/Kg

Field ID:	AG-11 (SURF) DUP	**DF:**	0.9709	**Analyzed:**	08/30/25
Type:	SAMPLE	**Batch#:**	380727	**Prep:**	EPA 3050B
Lab ID:	540981-097	**Sampled:**	08/27/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	KAM
Basis:	as received	**Prepared:**	08/30/25		

540981-097 Analyte	Result	RL	Units
Lead	**6.3**	0.97	mg/Kg

Field ID:	AG-22 (SURF) DUP	**DF:**	0.9804	**Analyzed:**	08/30/25
Type:	SAMPLE	**Batch#:**	380727	**Prep:**	EPA 3050B
Lab ID:	540981-098	**Sampled:**	08/27/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	KAM
Basis:	as received	**Prepared:**	08/30/25		

540981-098 Analyte	Result	RL	Units
Arsenic	**2.8**	0.98	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID: R-10 (SURF) DUP **DF:** 0.9615 **Analyzed:** 08/30/25
Type: SAMPLE **Batch#:** 380727 **Prep:** EPA 3050B
Lab ID: 540981-100 **Sampled:** 08/26/25 **Analysis:** EPA 6020
Matrix: Soil **Received:** 08/28/25 **Analyst:** KAM
Basis: as received **Prepared:** 08/30/25

540981-100 Analyte	Result	RL	Units
Lead	**54**	0.96	mg/Kg

Field ID: R-13 (SURF) DUP **DF:** 0.9524 **Analyzed:** 08/30/25
Type: SAMPLE **Batch#:** 380727 **Prep:** EPA 3050B
Lab ID: 540981-101 **Sampled:** 08/26/25 **Analysis:** EPA 6020
Matrix: Soil **Received:** 08/28/25 **Analyst:** KAM
Basis: as received **Prepared:** 08/30/25

540981-101 Analyte	Result	RL	Units
Lead	**9.7**	0.95	mg/Kg

Field ID: R-10 (2-2.5') DUP **DF:** 0.9709 **Analyzed:** 08/30/25
Type: SAMPLE **Batch#:** 380727 **Prep:** EPA 3050B
Lab ID: 540981-103 **Sampled:** 08/26/25 **Analysis:** EPA 6020
Matrix: Soil **Received:** 08/28/25 **Analyst:** KAM
Basis: as received **Prepared:** 08/30/25

540981-103 Analyte	Result	RL	Units
Lead	**4.3**	0.97	mg/Kg

Field ID: R-13 (2-2.5') DUP **DF:** 0.9709 **Analyzed:** 08/30/25
Type: SAMPLE **Batch#:** 380727 **Prep:** EPA 3050B
Lab ID: 540981-104 **Sampled:** 08/26/25 **Analysis:** EPA 6020
Matrix: Soil **Received:** 08/28/25 **Analyst:** KAM
Basis: as received **Prepared:** 08/30/25

540981-104 Analyte	Result	RL	Units
Lead	**4.2**	0.97	mg/Kg

Type: BLANK **Batch#:** 380684 **Analysis:** EPA 6020
Lab ID: QC1289312 **Prepared:** 08/29/25 **Analyst:** DXC
Matrix: Soil **Analyzed:** 08/29/25
DF: 1.000 **Prep:** EPA 3050B

QC1289312 Analyte	Result	RL	Units
Arsenic	ND	1.0	mg/Kg
Lead	ND	0.50	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Type:	BLANK	**Batch#:**	380690	**Analysis:**	EPA 6020
Lab ID:	QC1289342	**Prepared:**	08/29/25	**Analyst:**	DXC
Matrix:	Soil	**Analyzed:**	08/29/25		
DF:	1.000	**Prep:**	EPA 3050B		

QC1289342 Analyte	Result	RL	Units
Arsenic	ND	1.0	mg/Kg
Lead	ND	0.50	mg/Kg

Type:	BLANK	**Batch#:**	380727	**Analysis:**	EPA 6020
Lab ID:	QC1289480	**Prepared:**	08/30/25	**Analyst:**	KAM
Matrix:	Soil	**Analyzed:**	08/30/25		
DF:	1.000	**Prep:**	EPA 3050B		

QC1289480 Analyte	Result	RL	Units
Arsenic	ND	1.0	mg/Kg
Lead	ND	0.50	mg/Kg

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Type: LCS **Batch#:** 380684 **Analysis:** EPA 6020

Lab ID: QC1289313 **Prepared:** 08/29/25 **Analyst:** DXC

Matrix: Soil **Analyzed:** 08/29/25

DF: 1.000 **Prep:** EPA 3050B

QC1289313 Analyte	Spiked	Result	%REC	Limits	Units
Arsenic	100.0	110.4	110	80-120	mg/Kg
Lead	100.0	105.3	105	80-120	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	AG-1 (SURF)	**Basis:**	as received	**Prepared:**	08/29/25
Type:	MS	**DF:**	0.9524	**Analyzed:**	08/29/25
MSS Lab ID:	540981-001	**Batch#:**	380684	**Prep:**	EPA 3050B
Lab ID:	QC1289314	**Sampled:**	08/27/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	DXC

QC1289314 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Arsenic	3.257	95.24	100.1	102	75-125	mg/Kg
Lead	6.178	95.24	97.18	96	75-125	mg/Kg

Field ID:	AG-1 (SURF)	**Basis:**	as received	**Prepared:**	08/29/25
Type:	MSD	**DF:**	0.9709	**Analyzed:**	08/29/25
MSS Lab ID:	540981-001	**Batch#:**	380684	**Prep:**	EPA 3050B
Lab ID:	QC1289315	**Sampled:**	08/27/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	DXC

QC1289315 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Arsenic	97.09	102.9	103	75-125	mg/Kg	1	22
Lead	97.09	101.0	98	75-125	mg/Kg	2	25

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	AG-1 (SURF)	**Basis:**	as received	**Analyzed:**	08/29/25
Type:	Post Digest Spike	**DF:**	0.9804	**Prep:**	EPA 3050B
MSS Lab ID:	540981-001	**Batch#:**	380684	**Analysis:**	EPA 6020
Lab ID:	QC1289316	**Sampled:**	08/27/25	**Analyst:**	DXC
Matrix:	Soil	**Received:**	08/28/25		

QC1289316 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Arsenic	3.257	98.04	106.5	105	75-125	mg/Kg
Lead	6.178	98.04	111.4	107	75-125	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Type: LCS **Batch#:** 380690 **Analysis:** EPA 6020

Lab ID: QC1289343 **Prepared:** 08/29/25 **Analyst:** DXC

Matrix: Soil **Analyzed:** 08/29/25

DF: 1.000 **Prep:** EPA 3050B

QC1289343 Analyte	Spiked	Result	%REC	Limits	Units
Arsenic	100.0	104.1	104	80-120	mg/Kg
Lead	100.0	103.2	103	80-120	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	R-14 (SURF)	**Basis:**	as received	**Prepared:**	08/29/25
Type:	MS	**DF:**	0.9709	**Analyzed:**	08/29/25
MSS Lab ID:	540981-052	**Batch#:**	380690	**Prep:**	EPA 3050B
Lab ID:	QC1289344	**Sampled:**	08/26/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	DXC

QC1289344 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Arsenic	4.347	97.09	108.2	107	75-125	mg/Kg
Lead	17.60	97.09	123.1	109	75-125	mg/Kg

Field ID:	R-14 (SURF)	**Basis:**	as received	**Prepared:**	08/29/25
Type:	MSD	**DF:**	0.9709	**Analyzed:**	08/29/25
MSS Lab ID:	540981-052	**Batch#:**	380690	**Prep:**	EPA 3050B
Lab ID:	QC1289345	**Sampled:**	08/26/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	DXC

QC1289345 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Arsenic	97.09	113.4	112	75-125	mg/Kg	5	22
Lead	97.09	131.2	117	75-125	mg/Kg	6	25

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	R-14 (SURF)	**Basis:**	as received	**Analyzed:**	08/29/25
Type:	Post Digest Spike	**DF:**	0.9804	**Prep:**	EPA 3050B
MSS Lab ID:	540981-052	**Batch#:**	380690	**Analysis:**	EPA 6020
Lab ID:	QC1289346	**Sampled:**	08/26/25	**Analyst:**	DXC
Matrix:	Soil	**Received:**	08/28/25		

QC1289346 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Arsenic	4.347	98.04	110.4	108	75-125	mg/Kg
Lead	17.60	98.04	128.5	113	75-125	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Type: LCS **Batch#:** 380727 **Analysis:** EPA 6020

Lab ID: QC1289481 **Prepared:** 08/30/25 **Analyst:** KAM

Matrix: Soil **Analyzed:** 08/30/25

DF: 1.000 **Prep:** EPA 3050B

QC1289481 Analyte	Spiked	Result	%REC	Limits	Units
Arsenic	100.0	108.2	108	80-120	mg/Kg
Lead	100.0	109.3	109	80-120	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	08/30/25
Type:	MS	**DF:**	0.9901	**Analyzed:**	08/30/25
MSS Lab ID:	541003-001	**Batch#:**	380727	**Prep:**	EPA 3050B
Lab ID:	QC1289482	**Sampled:**	08/28/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	KAM

QC1289482 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Arsenic	11.16	99.01	116.8	107	75-125	mg/Kg
Lead	23.70	99.01	138.4	116	75-125	mg/Kg

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	08/30/25
Type:	MSD	**DF:**	0.9524	**Analyzed:**	08/30/25
MSS Lab ID:	541003-001	**Batch#:**	380727	**Prep:**	EPA 3050B
Lab ID:	QC1289483	**Sampled:**	08/28/25	**Analysis:**	EPA 6020
Matrix:	Soil	**Received:**	08/28/25	**Analyst:**	KAM

QC1289483 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Arsenic	95.24	113.0	107	75-125	mg/Kg	0	22
Lead	95.24	144.3	127 *	75-125	mg/Kg	7	25

Legend

***:** Value is outside QC limits

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Analyzed:**	08/30/25
Type:	Post Digest Spike	**DF:**	1.000	**Prep:**	EPA 3050B
MSS Lab ID:	541003-001	**Batch#:**	380727	**Analysis:**	EPA 6020
Lab ID:	QC1289484	**Sampled:**	08/28/25	**Analyst:**	KAM
Matrix:	Soil	**Received:**	08/28/25		

QC1289484 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Arsenic	11.16	100.0	113.1	102	75-125	mg/Kg
Lead	23.70	100.0	126.6	103	75-125	mg/Kg

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Analyzed:**	08/30/25
Type:	Serial Dilution	**DF:**	5.000	**Prep:**	EPA 3050B
MSS Lab ID:	541003-001	**Batch#:**	380727	**Analysis:**	EPA 6020
Lab ID:	QC1289485	**Sampled:**	08/28/25	**Analyst:**	KAM
Matrix:	Soil	**Received:**	08/28/25		

QC1289485 Analyte	MSS Result	MSS RL	Result	RL	Units	% Diff	Lim
Arsenic	11.16	1.000	**11.10**	5.000	mg/Kg	NC	10
Lead	23.70	0.5000	**24.20**	2.500	mg/Kg	2	10

Legend

NC: Not Calculated

RL: Reporting Limit

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID: FB #1 **Batch#:** 380672 **Prep:** EPA 3015A
Type: SAMPLE **Sampled:** 08/26/25 **Analysis:** EPA 200.8
Lab ID: 540981-009 **Received:** 08/28/25 **Analyst:** DXC
Matrix: Water **Prepared:** 08/29/25
DF: 1.000 **Analyzed:** 08/29/25

540981-009 Analyte	Result	RL	Units
Arsenic	ND	2.0	ug/L
Lead	ND	5.0	ug/L

Field ID: EB #1 **Batch#:** 380672 **Prep:** EPA 3015A
Type: SAMPLE **Sampled:** 08/26/25 **Analysis:** EPA 200.8
Lab ID: 540981-010 **Received:** 08/28/25 **Analyst:** DXC
Matrix: Water **Prepared:** 08/29/25
DF: 1.000 **Analyzed:** 08/29/25

540981-010 Analyte	Result	RL	Units
Arsenic	ND	2.0	ug/L
Lead	ND	5.0	ug/L

Field ID: FB #2 **Batch#:** 380672 **Prep:** EPA 3015A
Type: SAMPLE **Sampled:** 08/27/25 **Analysis:** EPA 200.8
Lab ID: 540981-019 **Received:** 08/28/25 **Analyst:** DXC
Matrix: Water **Prepared:** 08/29/25
DF: 1.000 **Analyzed:** 08/29/25

540981-019 Analyte	Result	RL	Units
Arsenic	ND	2.0	ug/L
Lead	ND	5.0	ug/L

Field ID: EB #2 **Batch#:** 380672 **Prep:** EPA 3015A
Type: SAMPLE **Sampled:** 08/27/25 **Analysis:** EPA 200.8
Lab ID: 540981-020 **Received:** 08/28/25 **Analyst:** DXC
Matrix: Water **Prepared:** 08/29/25
DF: 1.000 **Analyzed:** 08/29/25

540981-020 Analyte	Result	RL	Units
Arsenic	ND	2.0	ug/L
Lead	ND	5.0	ug/L

Type: BLANK **Batch#:** 380672 **Analysis:** EPA 200.8
Lab ID: QC1289273 **Prepared:** 08/29/25 **Analyst:** DXC
Matrix: Water **Analyzed:** 08/29/25
DF: 1.000 **Prep:** EPA 3015A

QC1289273 Analyte	Result	RL	Units
Arsenic	ND	2.0	ug/L
Lead	ND	5.0	ug/L

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Type: LCS **Batch#:** 380672 **Analysis:** EPA 200.8

Lab ID: QC1289274 **Prepared:** 08/29/25 **Analyst:** DXC

Matrix: Water **Analyzed:** 08/29/25

DF: 1.000 **Prep:** EPA 3015A

QC1289274 Analyte	Spiked	Result	%REC	Limits	Units
Arsenic	100.0	102.3	102	85-115	ug/L
Lead	100.0	104.1	104	85-115	ug/L

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID: FB #1 **DF:** 1.000 **Analyzed:** 08/29/25

Type: MS **Batch#:** 380672 **Prep:** EPA 3015A

MSS Lab ID: 540981-009 **Sampled:** 08/26/25 **Analysis:** EPA 200.8

Lab ID: QC1289275 **Received:** 08/28/25 **Analyst:** DXC

Matrix: Water **Prepared:** 08/29/25

QC1289275 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Arsenic	<0.3753	100.0	100.1	100	70-130	ug/L
Lead	<0.1764	100.0	102.7	103	70-130	ug/L

Field ID: FB #1 **DF:** 1.000 **Analyzed:** 08/29/25

Type: MSD **Batch#:** 380672 **Prep:** EPA 3015A

MSS Lab ID: 540981-009 **Sampled:** 08/26/25 **Analysis:** EPA 200.8

Lab ID: QC1289276 **Received:** 08/28/25 **Analyst:** DXC

Matrix: Water **Prepared:** 08/29/25

QC1289276 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Arsenic	100.0	101.5	101	70-130	ug/L	1	20
Lead	100.0	102.3	102	70-130	ug/L	0	20

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 540981 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site

Field ID: EB #1 **DF:** 1.000 **Analyzed:** 08/29/25

Type: MS **Batch#:** 380672 **Prep:** EPA 3015A

MSS Lab ID: 540981-010 **Sampled:** 08/26/25 **Analysis:** EPA 200.8

Lab ID: QC1289277 **Received:** 08/28/25 **Analyst:** DXC

Matrix: Water **Prepared:** 08/29/25

QC1289277 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Arsenic	<0.3753	100.0	101.0	101	70-130	ug/L
Lead	<0.1764	100.0	103.6	104	70-130	ug/L

Field ID: EB #1 **DF:** 1.000 **Analyzed:** 08/29/25

Type: MSD **Batch#:** 380672 **Prep:** EPA 3015A

MSS Lab ID: 540981-010 **Sampled:** 08/26/25 **Analysis:** EPA 200.8

Lab ID: QC1289278 **Received:** 08/28/25 **Analyst:** DXC

Matrix: Water **Prepared:** 08/29/25

QC1289278 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Arsenic	100.0	99.16	99	70-130	ug/L	2	20
Lead	100.0	101.5	102	70-130	ug/L	2	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

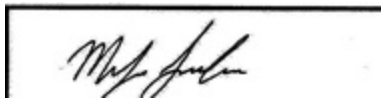
Lab Job Number : 542096
Report Level : II
Report Date : 09/23/2025

Analytical Report *prepared for:*

Alan Klein
Padre Associates, Inc.
350 University Avenue
Suite 250
Sacramento, CA 95825

Project: 2401-2581 - TCOE - New School Site Step-Outs

Authorized for release by:



Miguel Gamboa, Project Manager
miguel.gamboa@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, CA ELAP #1338-S1, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Alan Klein
Padre Associates, Inc.
350 University Avenue
Suite 250
Sacramento, CA
95825

Lab Job #:	542096
Project No:	2401-2581
Location:	TCOE - New School Site Step-Outs
Date Received:	09/12/25

Sample ID	Lab ID	Collected	Matrix
R-11 (1-1.5')	542096-001	09/11/25 12:45	Soil
R-11A (SURF)	542096-002	09/11/25 12:10	Soil
R-11A (1-1.5')	542096-003	09/11/25 12:13	Soil
R-11B (SURF)	542096-004	09/11/25 12:16	Soil
R-11B (1-1.5')	542096-005	09/11/25 12:20	Soil
R-11C (SURF)	542096-006	09/11/25 12:23	Soil
R-11C (1-1.5')	542096-007	09/11/25 12:29	Soil
R-11D (SURF)	542096-008	09/11/25 12:34	Soil
R-11D (1-1.5')	542096-009	09/11/25 12:37	Soil
FB #3	542096-010	09/11/25 13:00	Water
EB #3	542096-011	09/11/25 13:05	Water

Case Narrative

Padre Associates, Inc. 350 University Avenue Suite 250 Sacramento, CA 95825 Alan Klein	Lab Job Number: 542096 Project No: 2401-2581 Location: TCOE - New School Site Step-Outs Date Received: 09/12/25

This data package contains sample and QC results for five soil samples and two water samples, requested for the above referenced project on 09/16/25. The samples were received in good condition.

Metals (EPA 6020):
No analytical problems were encountered.

Metals (EPA 200.8):
No analytical problems were encountered.

Login 542096

Chain of Custody Record

Lab No: 542096

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:	X	3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	PADRE ASSOCIATES, INC.	Name:	TCOE - New School Site Step-Outs
Report To:	ALAN KLEIN	Number:	2401-2581
Email:	aklein@padreinc.com	P.O. #:	
Address:	350 UNIVERSITY AVE, #250	Address:	Visalia, CA
	SACRAMENTO, CA 95825		
Phone:	916-947-4831	Global ID:	
Fax:		Sampled By:	AC/KG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	LEAD (6020)	HOLD	Test Instructions / Comments
1	R-11 (1-1.5')	09/11/25	1245	S	2"X6" STEEL	ICE	X		
2	R-11A (SURF)	09/11/25	1210	S	2"X6" STEEL	ICE	X		
3	R-11A (1-1.5')	09/11/25	1213	S	2"X6" STEEL	ICE		X	
4	R-11B (SURF)	09/11/25	1216	S	2"X6" STEEL	ICE	X		
5	R-11B (1-1.5')	09/11/25	1220	S	2"X6" STEEL	ICE		X	
6	R-11C (SURF)	09/11/25	1223	S	2"X6" STEEL	ICE	X		
7	R-11C (1-1.5')	09/11/25	1229	S	2"X6" STEEL	ICE		X	
8	R-11D (SURF)	09/11/25	1234	S	2"X6" STEEL	ICE	X		
9	R-11D (1-1.5')	09/11/25	1237	S	2"X6" STEEL	ICE		X	
10									

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Brenda Hamilton	ALAN CHURCHILL	PADRE / SR. GEOLOGIST	9-12-25/ 0945
[1] Received By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	0945 9-12-25 0945
[2] Relinquished By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	9-15-25 1700
[2] Received By:			EA	9-16-25 0830
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 542096

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:	X	3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	PADRE ASSOCIATES, INC.	Name:	TCOE - New School Site Step-Outs
Report To:	ALAN KLEIN	Number:	2401-2581
Email:	aklein@padreinc.com	P.O. #:	
Address:	350 UNIVERSITY AVE, #250	Address:	Visalia, CA
	SACRAMENTO, CA 95825		
Phone:	916-947-4831	Global ID:	
Fax:		Sampled By:	AC/KG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	LEAD (200.8)	Test Instructions / Comments
1	FB #3	09/11/25	1300	W	250 mL Poly	ICE, HNO3	X	
2	EB #3	09/11/25	1305	W	250 mL Poly	ICE, HNO3	X	
3								
4								
5								
6								
7								
8								
9								
10								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		ALAN CHURCHILL	PADRE / SR. GEOLOGIST	9-12-25/ 0945
[1] Received By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	9-12-25 0945
[2] Relinquished By:	Brenda Hamilton	Brenda Hamilton	EA / SCM	9-15-25 1700
[2] Received By:		JKR	GA	9-16-25 0830
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
Date Received: 9-12-25 WO# 542096 Client: PADRE

Section 2: Shipping / Custody — **Are custody seals present?** ☐ Yes ☒ No
Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☐ Courier ☒ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging — ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 9/12/25 By (initials) JLK Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR16 CF: +0.1°
Cooler Temp (°C) #1: 3.8° / 3.9° #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples — ☒ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples — ☒ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments
(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 9/12/25 **By (print)** Joel Tillman **(sign)** [signature]
Date Labeled 9/12/25 **By (print)** Joel Tillman **(sign)** [signature]

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 9/16/25 WO# 542096 Client: PADRE

Section 2: Shipping / Custody **Are custody seals present?** ☒ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ■ Yes ☐ No ■ On cooler / box ☐ On samples

☐ Courier ☐ Walk-In ☐ Field Sampling ■ Shipping Info: INTRASTATE

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 9/16/25 By (initials) FPD Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 11 CF: +0.1

Cooler Temp (°C) #1: 4.1 / 4.2 #2: 4.6 / 4.7 #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

Date Logged 9/12/25 **By (print)** SAC **(sign)** _____

Date Labeled 9/12/25 **By (print)** SAC **(sign)** _____

ENTHALPY ANALYTICAL

Lead

Lab #: 542096 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site Step-Outs

Field ID:	R-11 (1-1.5')	**DF:** 0.9615	**Analyzed:** 09/17/25
Type:	SAMPLE	**Batch#:** 382117	**Prep:** EPA 3050B
Lab ID:	542096-001	**Sampled:** 09/11/25	**Analysis:** EPA 6020
Matrix:	Soil	**Received:** 09/12/25	**Analyst:** KAM
Basis:	as received	**Prepared:** 09/17/25	

542096-001 Analyte	Result	RL	Units
Lead	**4.3**	0.96	mg/Kg

Field ID:	R-11A (SURF)	**DF:** 0.9901	**Analyzed:** 09/17/25
Type:	SAMPLE	**Batch#:** 382117	**Prep:** EPA 3050B
Lab ID:	542096-002	**Sampled:** 09/11/25	**Analysis:** EPA 6020
Matrix:	Soil	**Received:** 09/12/25	**Analyst:** KAM
Basis:	as received	**Prepared:** 09/17/25	

542096-002 Analyte	Result	RL	Units
Lead	**55**	0.99	mg/Kg

Field ID:	R-11B (SURF)	**DF:** 1.000	**Analyzed:** 09/17/25
Type:	SAMPLE	**Batch#:** 382117	**Prep:** EPA 3050B
Lab ID:	542096-004	**Sampled:** 09/11/25	**Analysis:** EPA 6020
Matrix:	Soil	**Received:** 09/12/25	**Analyst:** KAM
Basis:	as received	**Prepared:** 09/17/25	

542096-004 Analyte	Result	RL	Units
Lead	**54**	1.0	mg/Kg

Field ID:	R-11C (SURF)	**DF:** 0.9615	**Analyzed:** 09/17/25
Type:	SAMPLE	**Batch#:** 382117	**Prep:** EPA 3050B
Lab ID:	542096-006	**Sampled:** 09/11/25	**Analysis:** EPA 6020
Matrix:	Soil	**Received:** 09/12/25	**Analyst:** KAM
Basis:	as received	**Prepared:** 09/17/25	

542096-006 Analyte	Result	RL	Units
Lead	**56**	0.96	mg/Kg

Field ID:	R-11D (SURF)	**DF:** 0.9901	**Analyzed:** 09/17/25
Type:	SAMPLE	**Batch#:** 382117	**Prep:** EPA 3050B
Lab ID:	542096-008	**Sampled:** 09/11/25	**Analysis:** EPA 6020
Matrix:	Soil	**Received:** 09/12/25	**Analyst:** KAM
Basis:	as received	**Prepared:** 09/17/25	

542096-008 Analyte	Result	RL	Units
Lead	**31**	0.99	mg/Kg

ENTHALPY ANALYTICAL

Lead

Lab #: 542096 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site Step-Outs

Type:	BLANK	**Batch#:**	382117	**Analysis:**	EPA 6020
Lab ID:	QC1294341	**Prepared:**	09/17/25	**Analyst:**	KAM
Matrix:	Soil	**Analyzed:**	09/17/25		
DF:	1.000	**Prep:**	EPA 3050B		

QC1294341 Analyte	Result	RL	Units
Lead	ND	0.50	mg/Kg

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 542096 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site Step-Outs

Type: LCS **Batch#:** 382117 **Analysis:** EPA 6020

Lab ID: QC1294342 **Prepared:** 09/17/25 **Analyst:** KAM

Matrix: Soil **Analyzed:** 09/17/25

DF: 1.000 **Prep:** EPA 3050B

QC1294342 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	107.5	107	80-120	mg/Kg

Field ID: R-11 (1-1.5') **Basis:** as received **Prepared:** 09/17/25

Type: MS **DF:** 0.9804 **Analyzed:** 09/17/25

MSS Lab ID: 542096-001 **Batch#:** 382117 **Prep:** EPA 3050B

Lab ID: QC1294343 **Sampled:** 09/11/25 **Analysis:** EPA 6020

Matrix: Soil **Received:** 09/12/25 **Analyst:** KAM

QC1294343 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Lead	4.323	98.04	108.1	106	75-125	mg/Kg

Field ID: R-11 (1-1.5') **Basis:** as received **Prepared:** 09/17/25

Type: MSD **DF:** 0.9524 **Analyzed:** 09/17/25

MSS Lab ID: 542096-001 **Batch#:** 382117 **Prep:** EPA 3050B

Lab ID: QC1294344 **Sampled:** 09/11/25 **Analysis:** EPA 6020

Matrix: Soil **Received:** 09/12/25 **Analyst:** KAM

QC1294344 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	95.24	101.2	102	75-125	mg/Kg	4	25

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 542096 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site Step-Outs

Field ID:	R-11 (1-1.5')	**Basis:**	as received	**Analyzed:**	09/17/25
Type:	Post Digest Spike	**DF:**	0.9615	**Prep:**	EPA 3050B
MSS Lab ID:	542096-001	**Batch#:**	382117	**Analysis:**	EPA 6020
Lab ID:	QC1294345	**Sampled:**	09/11/25	**Analyst:**	KAM
Matrix:	Soil	**Received:**	09/12/25		

QC1294345 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Lead	4.323	96.15	104.6	104	75-125	mg/Kg

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 542096 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site Step-Outs

Field ID:	R-11 (1-1.5')	**Basis:**	as received	**Analyzed:**	09/17/25
Type:	Serial Dilution	**DF:**	4.808	**Prep:**	EPA 3050B
MSS Lab ID:	542096-001	**Batch#:**	382117	**Analysis:**	EPA 6020
Lab ID:	QC1294442	**Sampled:**	09/11/25	**Analyst:**	KAM
Matrix:	Soil	**Received:**	09/12/25		

QC1294442 Analyte	MSS Result	MSS RL	Result	RL	Units	% Diff	Lim
Lead	4.323	0.4808	**4.500**	2.404	mg/Kg	NC	10

Legend

NC: Not Calculated

RL: Reporting Limit

ENTHALPY ANALYTICAL

Metals Analytical Report

Lab #: 542096 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site Step-Outs

Field ID:	FB #3	**Batch#:**	382170	**Prep:**	EPA 3015A
Type:	SAMPLE	**Sampled:**	09/11/25	**Analysis:**	EPA 200.8
Lab ID:	542096-010	**Received:**	09/12/25	**Analyst:**	DXC
Matrix:	Water	**Prepared:**	09/17/25		
DF:	1.000	**Analyzed:**	09/17/25		

542096-010 Analyte	Result	RL	Units
Lead	ND	5.0	ug/L

Field ID:	EB #3	**Batch#:**	382170	**Prep:**	EPA 3015A
Type:	SAMPLE	**Sampled:**	09/11/25	**Analysis:**	EPA 200.8
Lab ID:	542096-011	**Received:**	09/12/25	**Analyst:**	DXC
Matrix:	Water	**Prepared:**	09/17/25		
DF:	1.000	**Analyzed:**	09/17/25		

542096-011 Analyte	Result	RL	Units
Lead	ND	5.0	ug/L

Type:	BLANK	**Batch#:**	382170	**Analysis:**	EPA 200.8
Lab ID:	QC1294487	**Prepared:**	09/17/25	**Analyst:**	DXC
Matrix:	Water	**Analyzed:**	09/17/25		
DF:	1.000	**Prep:**	EPA 3015A		

QC1294487 Analyte	Result	RL	Units
Lead	ND	5.0	ug/L

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Metals Analytical Report: Batch QC

Lab #: 542096 **Project#:** 2401-2581

Client: Padre Associates, Inc. **Location:** TCOE - New School Site Step-Outs

Type: LCS **Batch#:** 382170 **Analysis:** EPA 200.8

Lab ID: QC1294488 **Prepared:** 09/17/25 **Analyst:** DXC

Matrix: Water **Analyzed:** 09/17/25

DF: 1.000 **Prep:** EPA 3015A

QC1294488 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	99.89	100	85-115	ug/L

Field ID: ZZZZZZZZZZ **DF:** 1.000 **Analyzed:** 09/17/25

Type: MS **Batch#:** 382170 **Prep:** EPA 3015A

MSS Lab ID: 542053-027 **Sampled:** 09/11/25 **Analysis:** EPA 200.8

Lab ID: QC1294489 **Received:** 09/12/25 **Analyst:** DXC

Matrix: Water **Prepared:** 09/17/25

QC1294489 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Lead	<0.2251	100.0	99.99	100	70-130	ug/L

Field ID: FB #3 **DF:** 1.000 **Analyzed:** 09/17/25

Type: MS **Batch#:** 382170 **Prep:** EPA 3015A

MSS Lab ID: 542096-010 **Sampled:** 09/11/25 **Analysis:** EPA 200.8

Lab ID: QC1294491 **Received:** 09/12/25 **Analyst:** DXC

Matrix: Water **Prepared:** 09/17/25

QC1294491 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Lead	<0.2251	100.0	101.7	102	70-130	ug/L

Field ID: ZZZZZZZZZZ **DF:** 1.000 **Analyzed:** 09/17/25

Type: MSD **Batch#:** 382170 **Prep:** EPA 3015A

MSS Lab ID: 542053-027 **Sampled:** 09/11/25 **Analysis:** EPA 200.8

Lab ID: QC1294490 **Received:** 09/12/25 **Analyst:** DXC

Matrix: Water **Prepared:** 09/17/25

QC1294490 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	101.6	102	70-130	ug/L	2	20

Field ID: FB #3 **DF:** 1.000 **Analyzed:** 09/17/25

Type: MSD **Batch#:** 382170 **Prep:** EPA 3015A

MSS Lab ID: 542096-010 **Sampled:** 09/11/25 **Analysis:** EPA 200.8

Lab ID: QC1294492 **Received:** 09/12/25 **Analyst:** DXC

Matrix: Water **Prepared:** 09/17/25

QC1294492 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	101.1	101	70-130	ug/L	1	20

Legend

RPD: Relative Percent Difference

APPENDIX E
ARSENIC BACKGROUND DATA SET

padre associates, inc.
ENGINEERS, GEOLOGISTS & ENVIRONMENTAL SCIENTISTS

PRELIMINARY ENVIRONMENTAL ASSESSMENT

BLUE OAK ACADEMY EXPANSION PROJECT
28050 ROAD 148, VISALIA
TULARE COUNTY, CALIFORNIA
(SITE CODE: 104837)

Prepared for:

VISALIA UNIFIED SCHOOL DISTRICT

OCTOBER 2021

Table 6-2. Soil Results for Arsenic
(results in mg/kg)

Sample Identification	Date Collected	Arsenic (mg/kg)
SS-2 (SURF)	8-5-21	**5.8**
SS-2 (2-2.5')	8-5-21	**5.6**
SS-8 (SURF)	8-5-21	**6.1**
SS-8 (2-2.5')	8-5-21	**5.2**
SS-9 (SURF)	8-5-21	**5.7**
SS-9 (2-2.5')	8-5-21	**6.5**
SS-13 (SURF)	8-5-21	**6.2**
SS-13 (2-2.5')	8-5-21	**7.1**
SS-13 (2-2.5') DUPE	8-5-21	**7.0**
SS-19 (SURF)	8-5-21	**7.1**
SS-19 (2-2.5')	8-5-21	**5.5**
SS-20B (SURF)	10-7-21	**5.7**
SS-23 (SURF)	8-5-21	**7.0**
SS-23 (SURF) DUPE	8-5-21	**6.9**
SS-23 (2-2.5')	8-5-21	**6.4**
SS-26 (SURF)	8-5-21	**5.0**
SS-26 (2-2.5')	8-5-21	**4.5**
SS-28D (SURF)	10-7-21	**5.1**
SS-30 (SURF)	8-5-21	**4.5**
SS-30 (2-2.5')	8-5-21	**5.6**
SS-30 (2-2.5') DUPE	8-5-21	**5.1**
SS-36 (SURF)	8-5-21	**4.8**
SS-36 (2-2.5')	8-5-21	**5.8**
SS-40 (SURF)	8-5-21	**5.3**
SS-40 (2-2.5')	8-5-21	**4.8**
Project Site	Range	4.5 – 7.1
Background Site	Range	1.7 – 10.2
U.S. EPA Method		6020
Screening Level		AB

Notes:
mg/kg – milligrams per kilogram
AB – ambient background concentration

padre associates, inc.
ENGINEERS, GEOLOGISTS & ENVIRONMENTAL SCIENTISTS

GOOGLE EARTH IMAGERY (02/21)

0 50
FEET

BLUE OAK ACADEMY EXPANSION PROJECT
28050 ROAD 148
VISALIA, TULARE COUNTY, CALIFORNIA

PROJECT NO.	DATE	DR. BY	APP. BY
2101-1401	10/28/21	AC	AJK

PLATE 6-1

ARSENIC RESULTS (SURFACE SOIL)

APPENDIX F
LEADSPREAD RISK ASSESSMENT SPREADSHEET

LeadSpread 9- LEAD RISK ASSESSMENT SPREADSHEET
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

USERS GUIDE to Leadspread Version 9

INPUT

MEDIUM	LEVEL
Lead in Soil/Dust (µg/g)	23
Respirable Dust (µg/cubic m)	1.5

EXPOSURE PARAMETERS

Parameter	units	adults	children
Days per week	days/wk	7	
Days per week, occupational	-	5	
Geometric Standard Deviation	-	1.6	
Blood lead level of concern	(µg/dl)	1.1	1
Skin area, residential	square cm	6032	2373
Skin area occupational	square cm	6032	
Soil adherence	µg/square cm	70	200
Dermal uptake constant	(µg/dl)/(µg/day)	0.00027	0.00048
Soil ingestion	mg/day	30	80
Soil ingestion, pica	mg/day		1000
Ingestion constant	(µg/dl)/(µg/day)	0.09	0.16
Bioavailability	unitless	0.6	
Breathing rate	cubic meter/day	20	10
Inhalation constant	(µg/dl)/(µg/day)	0.082	0.192

Click here for REFERENCES

OUTPUT

ENDPOINT and RECEPTOR	50th Percentile Change in Blood Pb (µg/dl)	90th Percentile Change in Blood Pb (µg/dl)	95th Percentile Change in Blood Pb (µg/dl)	PRG-90 (µg/g)	PRG-95 (µg/g)
BLOOD Pb, ADULT	0.0	0.1	0.1	356	301
BLOOD Pb, CHILD	0.2	0.3	0.4	70	59
BLOOD Pb, PICA CHILD	2.2	4.0	4.8	6	5
BLOOD Pb, OCCUPATIONAL	0.0	0.1	0.1	499	421

PATHWAYS

ADULTS	Residential Pathway Contribution	Residential Pathway Contribution	Residential Pathway Contribution	Occupational Pathway contribution	Occupational Pathway contribution	Occupational Pathway contribution
Pathway	PEF*	µg/dl	percent	PEF	µg/dl	percent
Soil Contact	6.8E-5	0.00	4%	4.9E-5	0.00	4%
Soil Ingestion	1.6E-3	0.04	96%	1.2E-3	0.03	96%
Inhalation	2.5E-6	0.00	0.1%	1.8E-6	0.00	0.1%

CHILDREN	Typical Pathway contribution	Typical Pathway contribution	Typical Pathway contribution	with pica Pathway contribution	with pica Pathway contribution	with pica Pathway contribution
Pathway	PEF*	µg/dl	percent	PEF	µg/dl	percent
Soil Contact	1.4E-4	0.00	1.7%		0.00	0.1%
Soil Ingestion	7.7E-3	0.18	98%	9.6E-2	2.21	100%
Inhalation	2.9E-6	0.00	0.0%		0.00	0.0%

Click here for Equations

*Pathway Exposure Factor

1	UCL Statistics for Uncensored Full Data Sets										
2											
3	User Selected Options										
4	Date/Time of Computation	ProUCL 5.2 9/25/2025 2:20:53 PM									
5	From File	Lead_data_UCL.xls									
6	Full Precision	OFF									
7	Confidence Coefficient	95%									
8	Number of Bootstrap Operations	2000									
9											
10											
11	Lead										
12											
13	General Statistics										
14	Total Number of Observations			37			Number of Distinct Observations				27
15							Number of Missing Observations				0
16	Minimum			3.8			Mean				17.37
17	Maximum			99			Median				6.8
18	SD			21.02			Std. Error of Mean				3.456
19	Coefficient of Variation			1.21			Skewness				2.266
20											
21	Normal GOF Test										
22	Shapiro Wilk Test Statistic			0.68			Shapiro Wilk GOF Test				
23	1% Shapiro Wilk Critical Value			0.814			Data Not Normal at 1% Significance Level				
24	Lilliefors Test Statistic			0.259			Lilliefors GOF Test				
25	1% Lilliefors Critical Value			0.168			Data Not Normal at 1% Significance Level				
26	Data Not Normal at 1% Significance Level										
27											
28	Assuming Normal Distribution										
29	95% Normal UCL						95% UCLs (Adjusted for Skewness)				
30	95% Student's-t UCL			23.2			95% Adjusted-CLT UCL (Chen-1995)				24.43
31							95% Modified-t UCL (Johnson-1978)				23.42
32											
33	Gamma GOF Test										
34	A-D Test Statistic			2.536			Anderson-Darling Gamma GOF Test				
35	5% A-D Critical Value			0.775			Data Not Gamma Distributed at 5% Significance Level				
36	K-S Test Statistic			0.232			Kolmogorov-Smirnov Gamma GOF Test				
37	5% K-S Critical Value			0.149			Data Not Gamma Distributed at 5% Significance Level				
38	Data Not Gamma Distributed at 5% Significance Level										
39											
40	Gamma Statistics										
41	k hat (MLE)			1.102			k star (bias corrected MLE)				1.03
42	Theta hat (MLE)			15.77			Theta star (bias corrected MLE)				16.86
43	nu hat (MLE)			81.52			nu star (bias corrected)				76.24
44	MLE Mean (bias corrected)			17.37			MLE Sd (bias corrected)				17.11
45							Approximate Chi Square Value (0.05)				57.13
46	Adjusted Level of Significance			0.0431			Adjusted Chi Square Value				56.41
47											
48	Assuming Gamma Distribution										
49	95% Approximate Gamma UCL			23.18			95% Adjusted Gamma UCL				23.48
50											
51	Lognormal GOF Test										
52	Shapiro Wilk Test Statistic			0.849			Shapiro Wilk Lognormal GOF Test				
53	10% Shapiro Wilk Critical Value			0.946			Data Not Lognormal at 10% Significance Level				

	A	B	C	D	E	F	G	H	I	J	K	L
54					Lilliefors Test Statistic	0.223	Lilliefors Lognormal GOF Test					
55					10% Lilliefors Critical Value	0.132	Data Not Lognormal at 10% Significance Level					
56	Data Not Lognormal at 10% Significance Level											
57												
58	Lognormal Statistics											
59					Minimum of Logged Data	1.335			Mean of logged Data			2.337
60					Maximum of Logged Data	4.595			SD of logged Data			0.972
61												
62	Assuming Lognormal Distribution											
63					95% H-UCL	24.31			90% Chebyshev (MVUE) UCL			25.31
64					95% Chebyshev (MVUE) UCL	29.4			97.5% Chebyshev (MVUE) UCL			35.07
65					99% Chebyshev (MVUE) UCL	46.2						
66												
67	Nonparametric Distribution Free UCL Statistics											
68	Data do not follow a Discernible Distribution											
69												
70	Nonparametric Distribution Free UCLs											
71					95% CLT UCL	23.05			95% BCA Bootstrap UCL			24.12
72					95% Standard Bootstrap UCL	22.9			95% Bootstrap-t UCL			25.84
73					95% Hall's Bootstrap UCL	25.73			95% Percentile Bootstrap UCL			23.15
74					90% Chebyshev(Mean, Sd) UCL	27.74			95% Chebyshev(Mean, Sd) UCL			32.43
75					97.5% Chebyshev(Mean, Sd) UCL	38.95			99% Chebyshev(Mean, Sd) UCL			51.75
76												
77	Suggested UCL to Use											
78					95% Student's-t UCL	23.2						
79												
80	The calculated UCLs are based on assumptions that the data were collected in a random and unbiased manner.											
81	Please verify the data were collected from random locations.											
82	If the data were collected using judgmental or other non-random methods,											
83	then contact a statistician to correctly calculate UCLs.											
84												
85	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
86	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.											
87	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
88												