Attachment B

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SUPPLEMENTAL SITE INVESTIGATION SUMMARY REPORT
SEDGWICK ELEMENTARY SCHOOL EXPANSION PROJECT
10480 FINCH AVENUE
CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA
(Site Code: 204271)

Prepared for:
CUPERTINO UNION SCHOOL DISTRICT

NOVEMBER 2015

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November 16, 2015
Project No. 1401-2172

Jose Luevano, Project Manager
California Department of Toxic Substances Control
School Property Evaluation and Cleanup Division
8800 Cal Center Drive
Sacramento, California 95826-3200

Subject: Supplemental Site Investigation Summary Report
Sedgwick Elementary Expansion Site
10480 Finch Avenue Cupertino, Santa Clara County, California
(Site Code: 204271)

Dear Mr. Luevano:

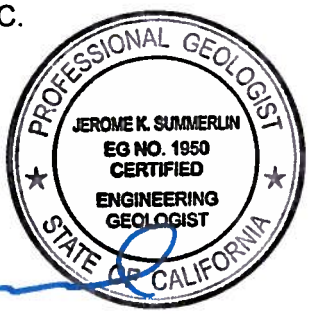
Padre Associates, Inc. (Padre), on behalf of the Cupertino Union School District (District), has prepared this Supplemental Site Investigation (SSI) summary report for the Sedgwick Elementary School Expansion Project located at 10480 Finch Avenue in Cupertino, Santa Clara County, California.

The SSI was completed in accordance with the Padre document titled *Supplemental Site Investigation Technical Memorandum* dated October 14, 2015 and California Environmental Protection Agency (CalEPA) Department of Toxic Substances Control (DTSC) guidance documents for new and expanding school sites.

If you have any questions or comments please contact Mr. Alan Churchill at (916) 333-5920, Ext. 25.

Sincerely,
PADRE ASSOCIATES, INC.

Alan Churchill
Project Geologist



Alan J. Klein, R.E.P.A., C.E.P.S.C, QSD/QSP
Senior Environmental Scientist

Jerome K. Summerlin, C.E.G., C.Hg.
President

cc: Mary Ann Duggan, P.E., Director – Facility Modernization, Cupertino Union SD
Jerry Suich, President, Oxbridge Development, Inc.

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1.0 INTRODUCTION

This document presents the results of a Supplemental Site Investigation (SSI) that was completed by Padre Associates, Inc. (Padre), on behalf of the Cupertino Union School District (District), for the Sedgwick Elementary School Expansion Project located at 10480 Finch Avenue in Cupertino, Santa Clara County, California (Project Site). The Project Site is illustrated on **Plate 1-1**: Site Location and **Plate 1-2**: Site Plan.

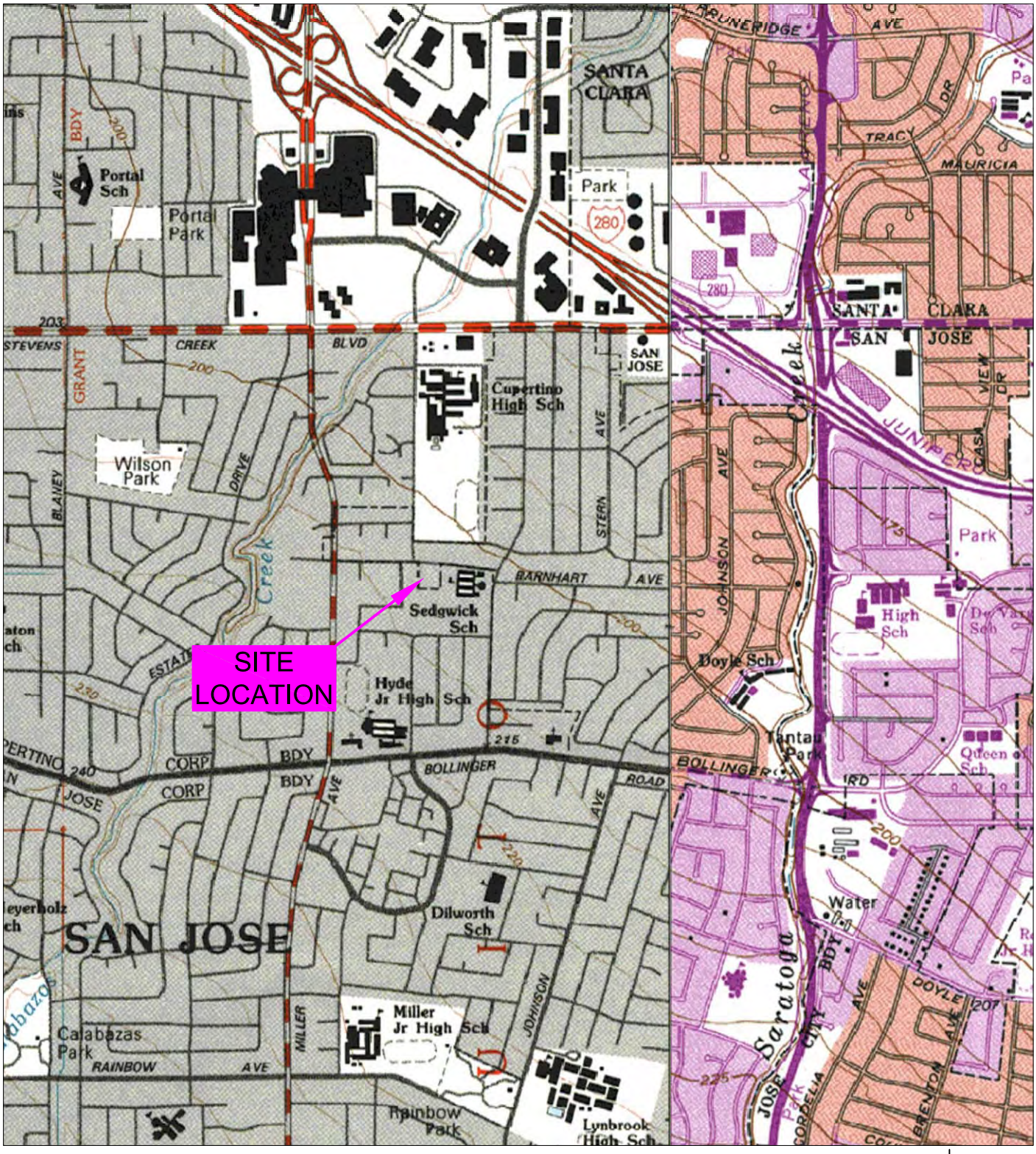
The SSI was completed in accordance with the Padre document titled, *Supplemental Site Investigation Technical Memorandum, Sedgwick Elementary Expansion Site, Cupertino Union School District, Cupertino, Ca (Site Code: 204271),* dated October 14, 2015 and in general accordance with the following DTSC guidance documents:

- CALEPA, DTSC, *Preliminary Endangerment Assessment Guidance Manual* (January 1994, Interim Final – Final October 2013);
- DTSC, *Interim Guidance for Sampling Agricultural Properties (Third Revision)*, dated August 7, 2008; and
- DTSC, *Interim Guidance, Evaluation of School Sites with Potential Contamination as a Result of Lead from Lead-Based-Paint, Organochlorine Pesticides from Temiticides, and Polychlorinated Biphenyls from Electrical Transformers*, revised June 9, 2006.

Padre previously submitted the report titled *Preliminary Environmental Assessment, Sedgwick Elementary School Expansion Project, 10480 Finch Avenue, Cupertino, Santa Clara County California*, dated September 2015. Based on the results of the PEA, elevated concentrations of chlordane and lead were identified in soil at the Project Site requiring further remedial investigations. Due to the presence of elevated concentrations of chlordane and lead, the potential cancer risk for the Project Site is greater than 1E-06, and a response action to reduce or eliminate the impact of the contaminants is recommended.

Recently, the risk screening level for chlordane was decreased from 1,700 micrograms per kilogram (µg/kg) to 430 µg/kg. Due to this revision, several soil sample locations were identified requiring further assessment. Therefore, the purpose of the SSI was to further assess and delineate the lateral and vertical extent of contaminated soil identified at the Project Site.

The SSI consisted of step-out and step-down soil samples to further delineate the extent of organochlorine pesticides (OCPs) and lead contamination in the area of the main residence and to further evaluate elevated lead concentrations identified at the southeast portion of the Project Site. The results of the SSI will be used to determine the extent of a response action at the Project Site.



U.S.G.S. 7.5 MINUTE QUADRANGLE
CUPERTINO, CALIFORNIA 1991

0 1500'
SCALE

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PLATE 1-1

SITE LOCATION

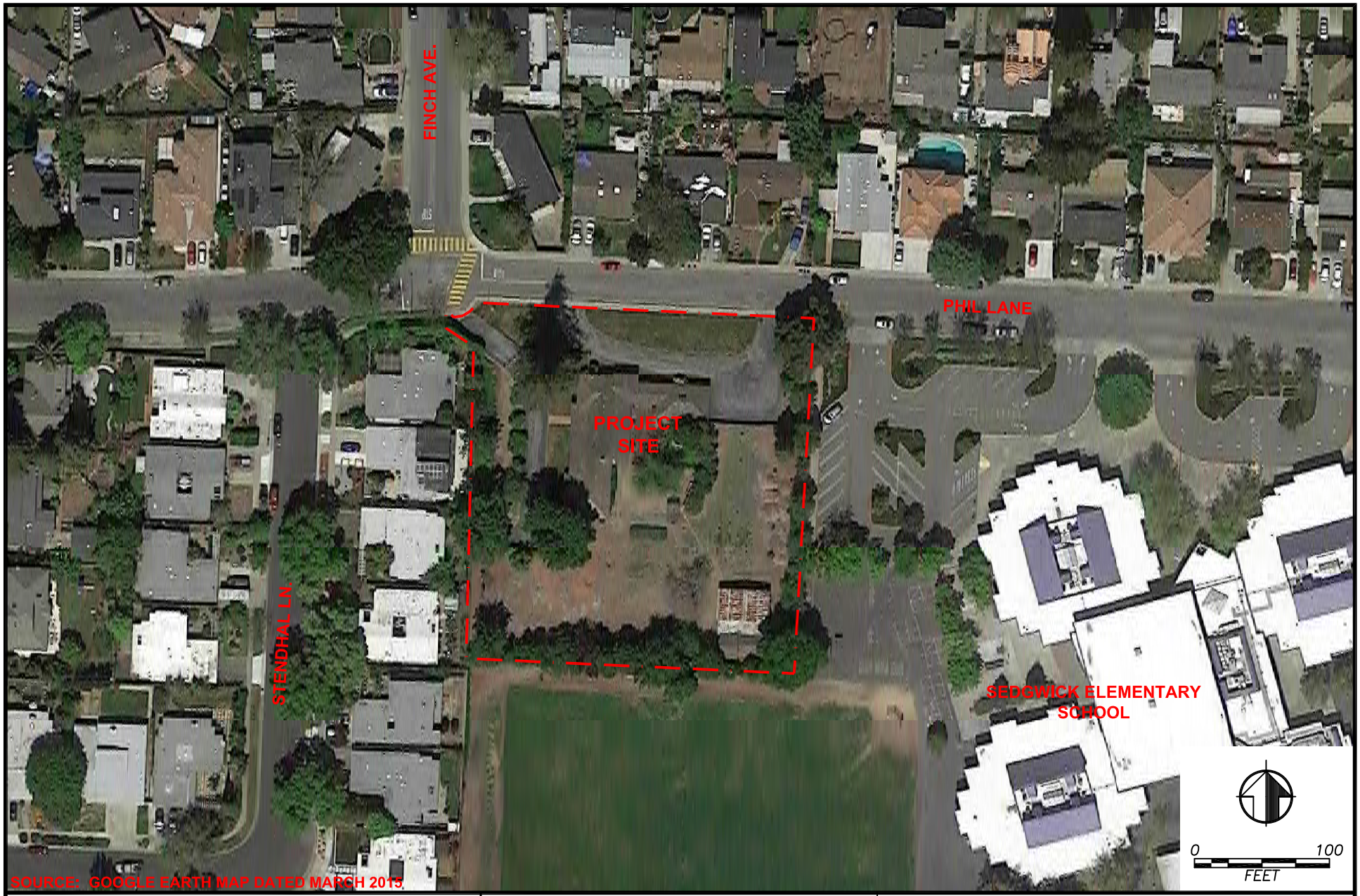

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PLATE 1-2

SITE PLAN

2.0 BACKGROUND

The Project Site consists of approximately 1.48 acres of residential land and, which is identified by the Santa Clara County Assessor's Office as Assessor Parcel Number (APN) 375-40-067. The Project Site is located adjacent to the northwest corner of the Sedgwick Elementary School property at 10480 Finch Avenue in Cupertino, Santa Clara County, California.

Cupertino Union School District (District) intends to purchase the property as part of the Sedgwick Elementary School Expansion Project. The expansion project will not result in an addition of classrooms or students to the existing elementary school. Public water and sewer will be provided to the Project Site by the San Jose Water Company and the Sunnyvale Sanitation District, respectively.

Padre reviewed the document titled *Phase I Environmental Site Assessment and Preliminary Soil Quality Evaluation, 10480 Finch Avenue, Cupertino, California* dated July 1, 2014. A copy of the Phase I ESA has previously been provided to DTSC. The Phase I ESA was prepared by Cornerstone Earth Group (Cornerstone) on behalf of David J. Powers & Associates, and a copy was provided to DTSC. Below is a summary of the findings presented in the Phase I ESA:

The property is currently owned by F.A. Pestarino Jr. Trustee, and has been owned by the Pestarino family since the 1930s. The property historically contained a prune tree orchard. According to a review of available historical aerial photographs, the Project Site was planted as an orchard from at least 1939 through the late 1950s. The existing residential building is present in a 1956 aerial photograph. In addition to the residence, the Project Site contains a workshop (wood-framed with corrugate metal roof) located at the southeast corner of the Project Site. Located south and adjacent to the workshop are two, small, single-room dwellings that are wood-framed and situated on concrete blocks.

In 1996 a 500-gallon gasoline underground storage tank (UST) was removed from the Project Site. Reportedly, the UST had been empty for approximately 20 years prior to removal. Reportedly, two soil samples were collected below the ends of the UST at depths of approximately 7-feet below grade surface (bgs). Total petroleum hydrocarbons identified as gasoline (TPHg) were identified in soil at concentrations up to 60 milligrams per kilogram (mg/kg). The Santa Clara Valley Water District (SCVWD) subsequently issued a case-closure letter for the UST dated March 26, 1997 stating that *"Due to the low levels of hydrocarbons detected and the site location, Santa Clara Valley Water District staff believes that with time the residual pollution will naturally attenuate and does not require any further corrective action at this time."*

Due to recognized environmental conditions (RECs) identified by the Phase I ESA, Cornerstone conducted preliminary soil assessment activities at the Project Site. Based on the historic agricultural use (orchard) at the Project Site and the age/construction of the existing structures, a total of sixteen surface soil samples were collected throughout the Project Site and

chemically analyzed for the presence of pesticides, arsenic, lead, and mercury. Five of the soil samples were collected at the perimeter of the residence, and two soil samples were collected at the perimeter of the workshop. Below is summary of the analytical results:

- Chlordane was reported at a maximum concentration of 2,800 micrograms per kilogram (µg/kg) at the location of soil sample SS-5 located along the western side of the residence;

- Arsenic was reported at concentrations ranging from 5.2 mg/kg to 15 mg/kg. The highest arsenic concentration was identified at the location of soil sample SS-6 located along the northwest property boundary; and

- Lead was reported at a maximum concentration of 100 mg/kg at the location of soil sample SS-2 located along the western side of the workshop.

The soil assessment activities included the advancement of one drill hole using direct-push drilling technology to an approximate depth of 20 feet at the location of the former UST. Soil samples were collected from approximate depths of 8 feet and 12 feet, which were chemically analyzed for the presence of TPHg, benzene, toluene, ethylbenzene, total xylenes (BTEX) and methyl-tert butyl ether (MTBE). Reportedly, TPHg, BTEX, or MTBE concentrations were not identified in the soil sample collected from a depth of 8 feet below ground surface (bgs). However, TPHg, ethylbenzene, and total xylenes were identified at concentrations of 1,300 mg/kg, 27 mg/kg, and 180 mg/kg, respectively in the 12-foot soil sample.

During July 2015 Padre conducted a Preliminary Environmental Assessment (PEA) to further assess the chemicals of concern identified as part of Cornerstone's preliminary soil assessment activities. The results of the PEA were documented in the Padre report titled *Preliminary Environmental Assessment, Sedgwick Elementary School Expansion Project, 10480 Finch Avenue, Cupertino, Santa Clara County, California*, dated September 2015. Based on the results of the PEA, elevated concentrations of pesticides and lead were identified at the Project Site requiring further investigation and/or remediation.

Based on the results of the PEA, chlordane and was identified in surface soils at the Project Site at concentrations exceeding their respective human health screening levels. The total increased cancer risk from chlordane identified in soils at the Project Site is estimated to be 3.2×10^{-5}, which exceeds DTSC's "point of departure" of 1 in 1,000,000 ($>10^{-6}$). Chlordane concentrations identified in soil during the course of the PEA are presented on **Plate 2-1**.

Concentrations of lead ranged from 9.0 to 310 mg/kg in surface soil samples collected at the Project Site. Using DTSC's lead risk assessment spreadsheet model (LeadSpread Version 8), exposure to the lead concentrations identified at the Project Site would result in a 90th percentile blood lead concentration of 8.0 micrograms per deciliter (µg/dl) in children, which exceeds the Office of Environmental Health Hazard Assessment (OEHHA) blood toxicity level of 1 µg/dl. Lead concentrations identified in surface soil during the course of the PEA are presented on **Plate 2-2**.

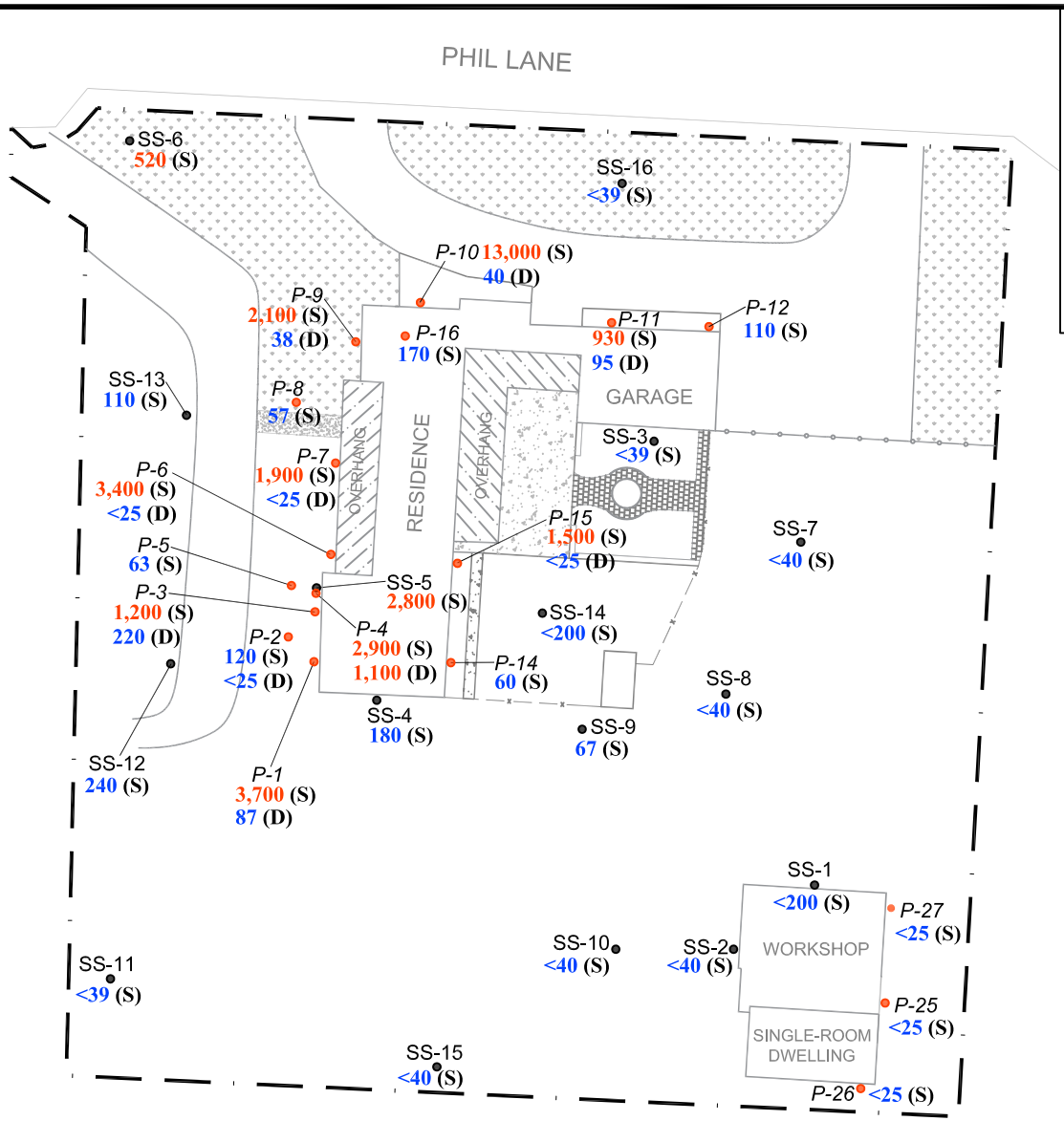

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PLATE 2-1

PEA CHLORDANE RESULTS

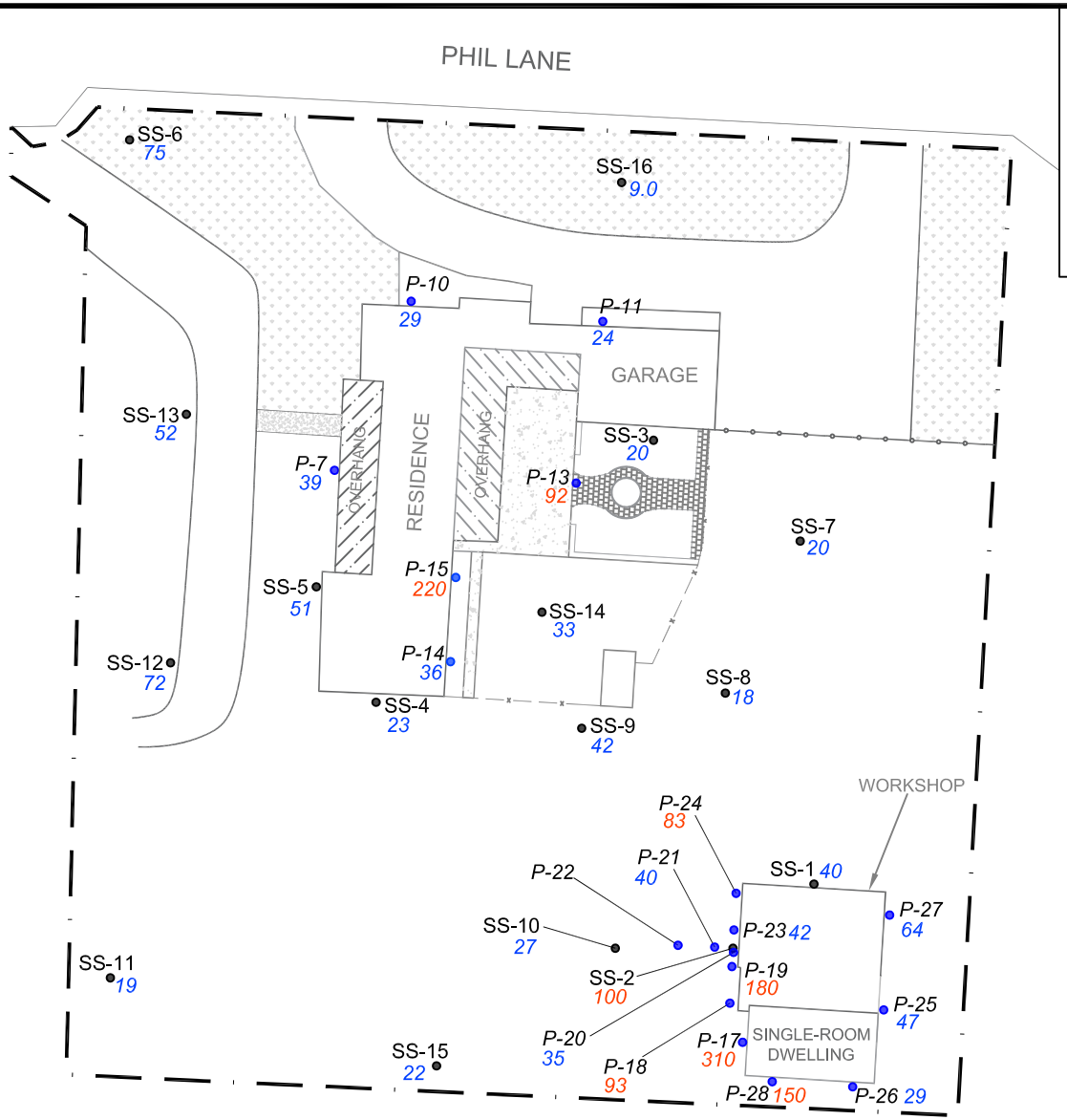

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PLATE 2-2

PEA LEAD RESULTS (SURFACE SOIL)

3.0 SSI ACTIVITIES

On October 27, 2015 soil samples were collected in accordance with the sample collection procedures outlined in the Project Site PEA Work Plan, dated May 2015; and the SSI Technical Memorandum dated October 2015 and approved by DTSC. A copy of the SSI Technical Memorandum approval letter are presented in **Appendix A**.

During the completion of the PEA, elevated concentrations of chlordane were identified around the perimeter of the main residence building at concentrations exceeding the DTSC-modified screening level of 430 µg/kg. Additionally, lead was identified in several locations at concentrations exceeding DTSC's screening level of 80 mg/kg. The SSI field sampling plan is summarized below:

OCPs

- At the location of sample point P-4 (west side of residence), chlordane was identified at a concentration of 1,100 µg/kg at a depth of 1.0 to 1.5 feet. At this location, discrete step-down soil samples were collected from approximate depths of 2.0 to 2.5 feet and 3.0 to 3.5 feet. The 2.0 to 2.5-foot sample was chemically analyzed for OCPs and the 3.0 to 3.5-foot sample was placed on-hold with the analytical laboratory. The step-down soil sample location are presented on **Plate 3-1**.

- At the location of sample points P-10 and P-11 (north side of residence) and P-15 (east side of residence), chlordane was identified in surface soil samples exceeding 430 µg/kg. At these locations, step-out samples were collected at the surface to 0.5 feet and depths of 1.0 to 1.5 feet and chemically analyzed for OCPs. The step-out soil sample locations are presented on **Plate 3-1**.

- At the location of surface soil sample SS-6 collected during the June 2014 preliminary soil assessment conducted by Cornerstone, chlordane was identified at a concentration of 520 µg/kg which exceeds the revised DTSC-modified screening level of 430 µg/kg. Since this location is not near a structure, Padre collected step-out soil samples on 5 and 10-foot centers from SS-6. Soil samples were collected at the surface to 0.5 feet, depths of 1.0 to 1.5 feet and 2.0 to 2.5 feet. The surface and 1.0 to 1.5-foot samples were chemically analyzed for OCPs and the 2.0 to 2.5-foot samples were placed on-hold with the analytical laboratory. Additionally, the 10-foot step-out samples were placed on-hold pending the results of the 5-foot step-out soil samples. The step-out soil sample locations are presented on **Plate 3-2**.

Lead

- At the location of sample points P-13 and P-15 (residence courtyard) step-out samples were collected at the surface to 0.5 feet and chemically analyzed for lead. The step-out soil sample locations are presented on **Plate 3-3**.

- At the location of sample points P-17 and P-28 (single-room dwelling) step-out samples were collected at the surface to 0.5 feet and chemically analyzed for lead. The step-out soil sample locations are presented on **Plate 3-3**.

SSI Field Variances

During the course of sampling activities, one additional soil sample (P-29A (SURF)) was collected and chemically analyzed for lead to further characterize this area of the Project Site.

Quality Assurance / Quality Control (QA/QC)

For quality control/quality assurance (QA/QC) measures, approximately 10% of the discrete soil samples (OCPs, lead) were split by the analytical laboratory and chemically analyzed as duplicate samples. Additionally, one equipment blank (water sample) and field blank (water sample) per sample event were chemically analyzed for the presence of arsenic and lead. Them, collection of these samples is discussed in more detail in the quality assurance project plan (QAPP) is presented in **Appendix B**.

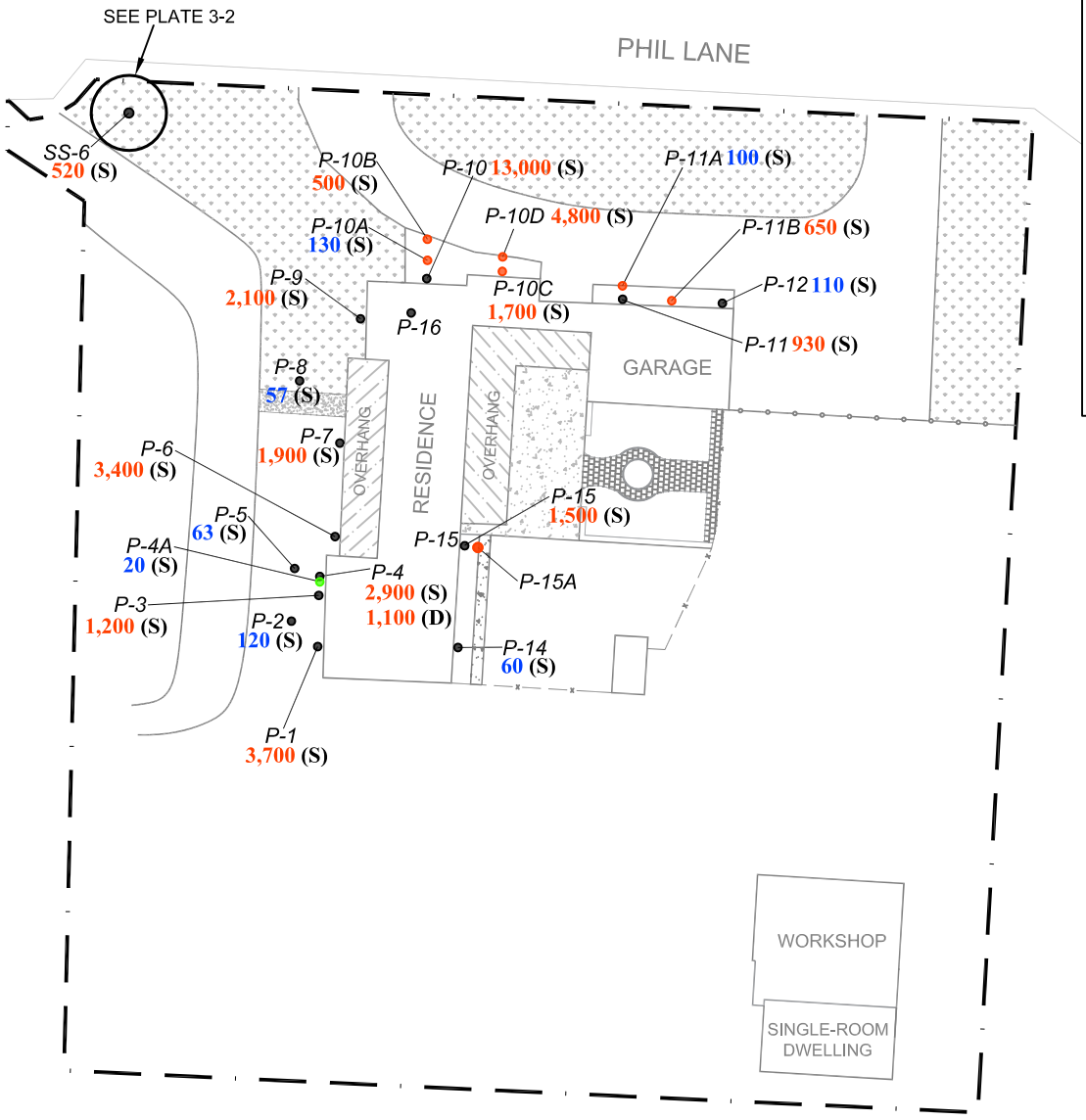

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PLATE 3-1

STEP-OUT SOIL SAMPLES - OCPs

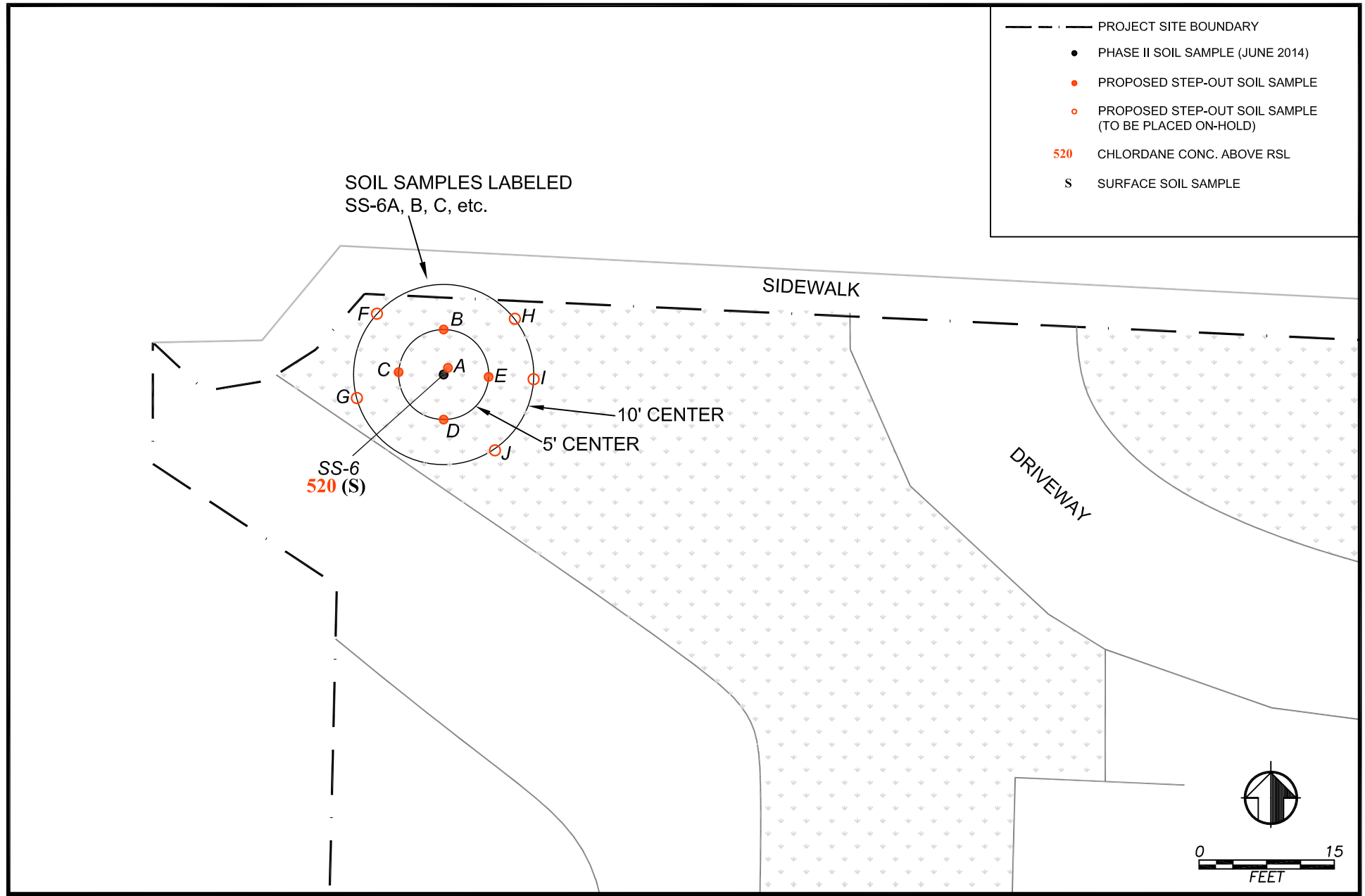

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PLATE 3-2

STEP-OUT SOIL SAMPLES - OCPs

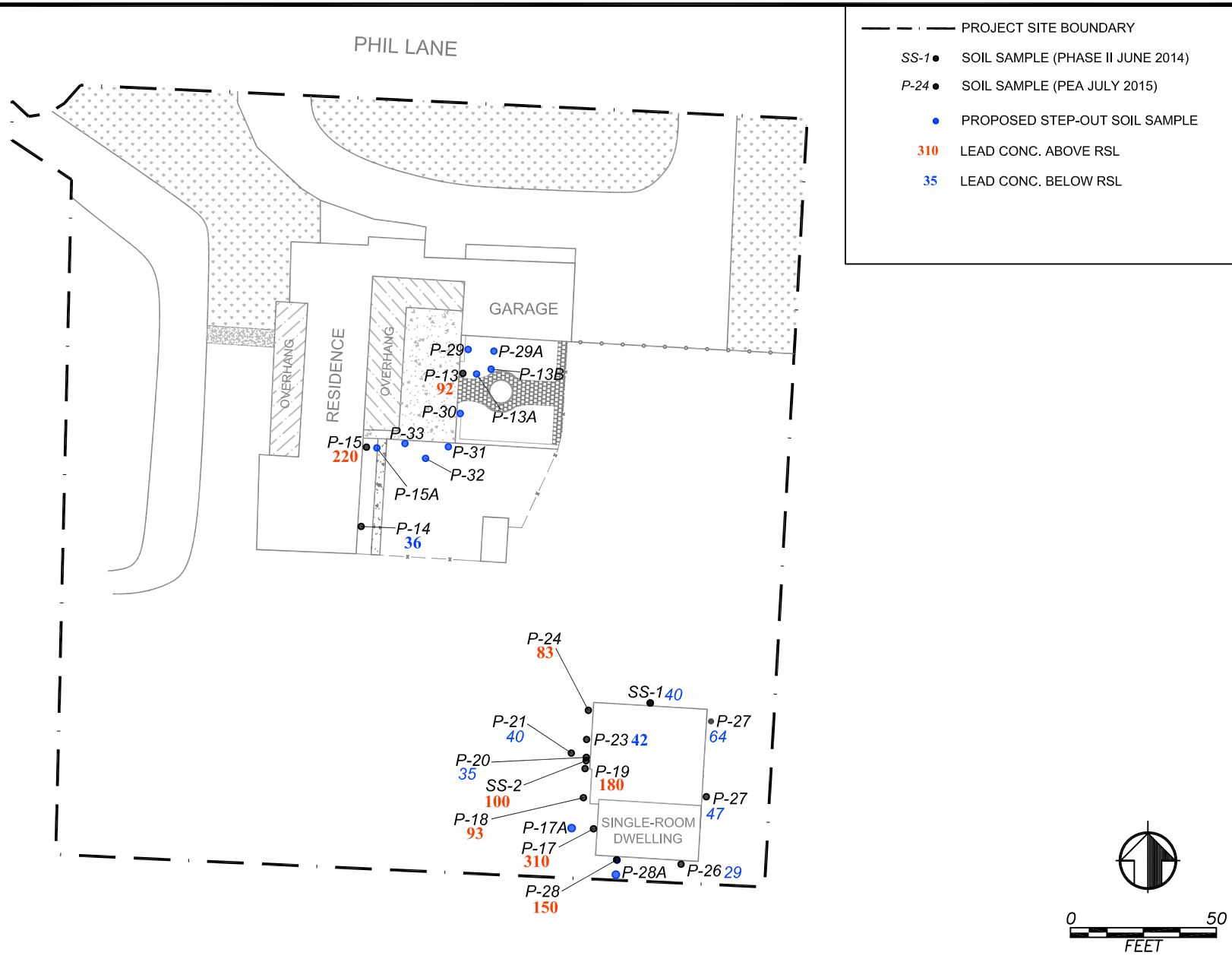

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PLATE 3-3

STEP-OUT SOIL SAMPLES - LEAD

4.0 SSI RESULTS

The following sections of this document present the results of field sampling activities performed by Padre at the Project Site on October 27th, 2015. The laboratory analytical results are summarized in **Table 4-1** and **Table 4-2**. Additionally, chlordane concentrations identified at the Project Site are presented on **Plates 4-1A** (surface soil) and **4-1B** (subsurface soil), and lead concentrations identified in surface soil are presented on **Plate 4-2**. Certified analytical laboratory reports and chain-of-custody documentation are provided in **Appendix D**.

OCPs in Soil

Main Residence. Discrete step-out soil samples were collected at locations of previously collected soil samples around the main residence structure where concentrations of OCPs were identified exceeding their respective screening levels. Results of the laboratory analysis are summarized below:

The following OPCs were identified at concentrations exceeding regulatory screening levels:

- Chlordane (technical) was reported at concentrations ranging from less than 25 to 4,800 µg/kg. The highest concentration of chlordane was identified in soil sample P-10D (SURF).

The following OPCs were identified at concentrations below regulatory screening levels:

- DDD was reported at concentrations ranging from less than 1.0 to 6.4 µg/kg;
- DDE was reported at concentrations ranging from less than 1.0 to 150 µg/kg;
- DDT was reported at concentrations ranging from less than 1.0 to 81 µg/kg;
- Dieldrin was reported at concentrations ranging from less than 1.0 to 1.7 µg/kg;
- Endrin was reported at a concentration 2.1 µg/kg;
- Heptachlor was reported at concentrations ranging from less than 1.0 to 5.4 µg/kg; and
- Heptachlor epoxide was reported at concentrations ranging from less than 1.0 to 30 µg/kg.

Soil Sample SS-6. At the approximate location of surface soil sample SS-6, a soil sample (SS-6A) was collected at the surface to 0.5 feet and 1.0 to 1.5 feet and chemically analyzed for OCPs. Additionally, step-out soil samples were collected on 5 and 10-foot centers

with the 10-foot sample placed on-hold pending the results of the 5-foot step-out soil samples. Results of the laboratory analysis are summarized below:

The following OPCs were identified at concentrations below regulatory screening levels:

- Chlordane (technical) was reported at concentrations ranging from less than 25 to 44 µg/kg;
- DDD was reported at concentrations ranging from less than 1.0 to 2.5 µg/kg;
- DDE was reported at concentrations ranging from 0.45J to 25 µg/kg;
- DDT was reported at concentrations ranging from less than 1.0 to 20 µg/kg;
- Heptachlor was reported at concentrations ranging from less than 1.0 to 0.65J µg/kg;
- Heptachlor epoxide was reported at concentrations ranging from less than 1.0 to 1.0 µg/kg; and
- Toxaphene was reported at concentrations ranging from less than 50 to 410 µg/kg.

Lead in Soil

At the location of PEA sample points P-13 and P-15 (residence courtyard) step-out samples were collected at the surface to 0.5 feet and chemically analyzed for lead. The results are summarized below:

- Lead was reported at concentration ranging from 31 to 68 mg/kg.

At the location of sample points P-17 and P-28 (single-room dwelling) step-out samples were collected at the surface to 0.5 feet and chemically analyzed for lead. The results are summarized below:

- Lead was detected at concentration ranging from 60 to 73 (mg/kg).

Duplicate Soil Samples

Two discrete soil samples were split by the analytical laboratory and chemically analyzed for the presence of OCPs by U.S. EPA Method 8081A. The analytical results are presented in **Table 4-1** and summarized below.

For discrete soil sample P-11B (SURF) and the associated duplicate soil sample:

- Chlordane was reported at concentrations of 650 and 470 µg/kg, respectively. The results are comparable;
- DDD was reported at concentrations of 4.3 and 4.4 µg/kg, respectively. The results

are comparable;

- DDE was reported at concentrations of 26 and 21 µg/kg, respectively. The results are comparable;
- DDT was reported at concentrations of 55 and 44 µg/kg, respectively. The results are comparable;
- Dieldrin was not reported at a concentration of less than 1.0 and 1.7 µg/kg in the associated duplicate soil sample which is slightly above the reporting limit of 1.0 µg/kg. The results are comparable;
- Heptachlor was reported at concentrations of less than 1.0 and 0.71J, respectively. The results are comparable; and
- Heptachlor epoxide was reported at concentrations of 4.7 and 3.8 µg/kg, respectively. The results are comparable.

For discrete soil sample P-15A (1.0-1.5') and the associated duplicate soil sample:

- DDD was reported at concentrations of 1.7 and 0.99J, respectively. The results are comparable;
- DDE was reported at concentrations of 9.2 and 6.2 µg/kg, respectively. The results are comparable;
- DDT was reported at concentrations of 7.1 and 6.5 µg/kg, respectively. The results are comparable;
- Heptachlor was reported at concentrations of 0.34J and less than 1.0 µg/kg, respectively. The results are comparable.

One discrete soil sample was split by the analytical laboratory and chemically analyzed for the presence of lead by U.S. EPA Method 6020. The analytical results are presented in **Table 4-1** and summarized below.

For discrete soil sample P-17A (SURF) and the associated duplicate soil sample:

- Lead was reported at concentrations of 73 and 60 mg/kg, respectively. The results are comparable.

Equipment Blank

Distilled water was used as rinseate for decontaminating sampling equipment. The equipment blank sample was collected by carefully pouring rinseate water over and through recently cleaned equipment, and collected directly into the appropriate sample container.

One equipment blank sample was collected for each sample event and chemically analyzed for lead by U.S. EPA Method 200.8. The results of the laboratory analysis are summarized below.

- The laboratory analysis did not identify lead at or above the analytical reporting limit.

Field Blank

One field blank sample was collected for each sampling event and chemically analyzed for lead by U.S. EPA Method 200.8. The results of the laboratory analysis are summarized below.

- The laboratory analysis did not identify lead at or above the analytical reporting limit.

Laboratory QA/QC

A cover letter with the signature of the lab director of CLS accompanies every laboratory report received for this project. According to the lab director, samples were analyzed utilizing 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 laboratory for this project was level II. Copies of the CLS laboratory reports are presented in Appendix C.

CLS Work Order # 1510A30 – Report dated October 28, 2015

The laboratory reported the following notes regarding lead analysis:

- The matrix spike, matrix spike duplicate recovery, and relative percent deviation for lead was out of acceptance criteria but was validated by the post digestion spike.

- The relative percent deviation for the surrogate recovery was out of acceptance criteria but was validated by the post digestion spike.

The laboratory reported the following notes regarding Organochlorine Pesticides by U.S. EPA Method 8081A for the following discrete soil samples:

The laboratory reported the following notes regarding discrete soil sample SS-6A (SURF):

- The concentration of DDD is less than the minimum level of quantitation (ML) but greater than the minimum detection limit (MDL). The reported concentration of DDD is an estimate.

- The concentration of dieldrin is less than the ML but greater than the MDL. The reported concentration of dieldrin is an estimate.

- The concentration of heptachlor is less than the ML but greater than the MDL. The reported concentration of heptachlor is an estimate.

The laboratory reported the following notes regarding discrete soil sample SS-6A (1.0-1.5'):

- The concentration of DDD is less than the ML but greater than the MDL. The reported concentration of DDD is an estimate.

The laboratory reported the following notes regarding discrete soil sample SS-6B (SURF):

- The concentration of DDD is less than the ML but greater than the MDL. The reported concentration of DDD is an estimate.

- The concentration of dieldrin is less than the ML but greater than the MDL. The reported concentration of dieldrin is an estimate.

The laboratory reported the following notes regarding discrete soil sample SS-6C (SURF):

- The concentration of dieldrin is less than the ML but greater than the MDL. The reported concentration of dieldrin is an estimate.

- The concentration of heptachlor epoxide is less than the ML but greater than the MDL. The reported concentration of heptachlor epoxide is an estimate.

The laboratory reported the following notes regarding discrete soil sample SS-6D (SURF):

- The concentration of DDD is less than the ML but greater than the MDL. The reported concentration of DDD is an estimate.

- The concentration of heptachlor epoxide is less than the ML but greater than the MDL. The reported concentration of heptachlor epoxide is an estimate.

The laboratory reported the following notes regarding discrete soil sample SS-6B (1.0-1.5'):

- The concentration of DDE is less than the ML but greater than the MDL. The reported concentration of DDE is an estimate.

The laboratory reported the following notes regarding discrete soil sample SS-6E (SURF):

- The concentration of dieldrin is less than the ML but greater than the MDL. The reported concentration of dieldrin is an estimate.

The laboratory reported the following notes regarding discrete soil sample SS-6E (1.0-1.5'):

- The concentration of DDE is less than the ML but greater than the MDL. The reported concentration of DDE is an estimate.

- The concentration of heptachlor is less than the ML but greater than the MDL. The reported concentration of heptachlor is an estimate.

The laboratory reported the following notes regarding discrete soil sample P-4A (SURF):

- The concentration of chlordane (technical) is less than the ML but greater than the MDL. The reported concentration of chlordane is an estimate.

- The concentration of DDE is less than the ML but greater than the MDL. The reported concentration of DDE is an estimate.

The laboratory reported the following notes regarding discrete soil sample P-10A (1.0-1.5'):

- The concentration of heptachlor is less than the ML but greater than the MDL. The reported concentration of heptachlor is an estimate.

The laboratory reported the following notes regarding discrete soil sample P-10B (SURF):

- The concentration of heptachlor is less than the ML but greater than the MDL. The reported concentration of heptachlor is an estimate.

The laboratory reported the following notes regarding discrete soil sample P-10B (1.0-1.5'):

- The concentration of heptachlor epoxide is less than the ML but greater than the MDL. The reported concentration of heptachlor epoxide is an estimate.

The laboratory reported the following notes regarding discrete soil sample P-10C (SURF):

- The concentration of heptachlor for is less than the ML but greater than the MDL. The reported concentration of heptachlor is an estimate.

The laboratory reported the following notes regarding discrete soil sample P-10D (1.0-1.5'):

- The concentration of heptachlor epoxide is less than the ML but greater than the MDL. The reported concentration of DDE is an estimate.

The laboratory reported the following notes regarding discrete soil sample P-10D (1.0-1.5'):

- The concentration of DDD is less than the ML but greater than the MDL. The reported concentration of DDD is an estimate.

- The concentration of heptachlor epoxide is less than the ML but greater than the MDL. The reported concentration of DDE is an estimate.

The laboratory reported the following notes regarding discrete soil sample P-11B (SURF):

- The concentration of dieldrin is less than the ML but greater than the MDL. The reported concentration of dieldrin is an estimate.

The laboratory reported the following notes regarding discrete soil sample P-11B (SURF) DUPE:

- The concentration of heptachlor is less than the ML but greater than the MDL. The reported concentration of heptachlor is an estimate.

The laboratory reported the following notes regarding discrete soil sample P-11B (1.0-1.5'):

- The concentration of heptachlor is less than the ML but greater than the MDL. The reported concentration of heptachlor is an estimate.

- The concentration of heptachlor epoxide is less than the ML but greater than the MDL. The reported concentration of heptachlor epoxide is an estimate.

The laboratory reported the following notes regarding discrete soil sample P-15A (1.0-1.5'):

- The concentration of heptachlor is less than the ML but greater than the MDL. The reported concentration of heptachlor is an estimate.

The laboratory reported the following notes regarding discrete soil sample P-15A (1.0-1.5') DUPE:

- The concentration of DDD is less than the ML but greater than the MDL. The reported concentration of DDD is an estimate.

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Table 4-1 - Soil Results for OCPs
(results in µg/kg)

Sample Identification	Aldrin	(a,b,d)-BHC	Gamma-BHC	Chlordane-technical	DDD	DDE	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Hexachloro benzene	Hexachloro cyclopentadiene	Toxaphene
PEA (July 2015)																				
P-1 (SURF)	<10	<10	<10	**3,700**	<10	**350**	**260**	<10	<10	<10	<10	<10	<10	<10	<10	**23**	<10	<100	<200	<500
P-1 (SURF)DUPE	<20	<20	<20	**2,800**	<20	**290**	**210**	<20	<20	<20	<20	<20	<20	<20	<20	**31**	<20	<200	<400	<1,000
P-1 (1-1.5')	<1.0	<1.0	<1.0	**87**	<1.0	**9.5**	**5.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.86J**	<1.0	<10	<20	<50
P-2 (SURF)	<1.0	<1.0	<1.0	**120**	<1.0	**77**	**44**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.8**	<1.0	<10	<20	<50
P-2 (1-1.5')	<1.0	<1.0	<1.0	<25	<1.0	**0.46J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-3 (SURF)	<10	<10	<10	**1,200**	<10	**56**	**46**	<10	<10	<10	<10	<10	<10	<10	<10	**4.0J**	<10	<100	<200	<500
P-3 (1-1.5')	<1.0	<1.0	<1.0	**220**	<1.0	**6.5**	**8.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-4 (SURF)	<1.0	<1.0	<1.0	**2,900**	<1.0	**140**	**130**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**7.4**	<1.0	<10	<20	<50
P-4 (1-1.5')	<10	<10	<10	**1,100**	<10	**44**	**38**	<10	<10	<10	<10	<10	<10	<10	<10	**7.8J**	<10	<100	<200	<500
P-5 (SURF)	<1.0	<1.0	<1.0	**63**	**0.76 J**	**24**	**24**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	<10	<20	<50
P-5 (1-1.5')	<1.0	<1.0	<1.0	<25	<1.0	**0.93J**	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-6 (SURF)	<10	<10	<10	**3,400**	<10	**120**	**210**	<10	<10	<10	<10	<10	<10	<10	<10	**6.0J**	<10	<100	<200	<500
P-6 (1-1.5')	<1.0	<1.0	<1.0	<25	<1.0	**0.94J**	**0.73J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-7 (SURF)	<10	<10	<10	**1,900**	<10	**120**	**110**	<10	<10	<10	<10	<10	<10	<10	<10	**26**	<10	<100	<200	<500
P-7 (1-1.5')	<1.0	<1.0	<1.0	<25	<1.0	**1.4**	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-8 (SURF)	<1.0	<1.0	<1.0	**57**	<1.0	**14**	**11**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.3**	<1.0	<10	<20	<50
P-8 (1-1.5')	<1.0	<1.0	<1.0	<25	**1.1**	**3.9**	**3.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-9 (SURF)	<1.0	<1.0	<1.0	**2,100**	<1.0	**53**	**120**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**13**	<1.0	<10	<20	<50
P-9 (SURF) DUPE	<10	<10	<10	**1,800**	<10	**47**	**120**	<10	<10	<10	<10	<10	<10	<10	<10	**8.3J**	<10	<100	<200	<500
P-9 (1-1.5')	<1.0	<1.0	<1.0	**38**	**0.35J**	**3.9**	**12**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-10 (SURF)	<1.0	<1.0	<1.0	**13,000**	<1.0	**39**	**160**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**21**	**57**	<1.0	<10	<20	<50
P-10 (1-1.5')	<1.0	<1.0	<1.0	**40**	<1.0	**1.4**	**4.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-10 (1-1.5') DUPE	<1.0	<1.0	<1.0	**38**	<1.0	**1.9**	**4.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**	<1.0	<10	<20	<50
P-11 (SURF)	<1.0	<1.0	<1.0	**930**	<1.0	**35**	**93**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.0**	<1.0	<10	<20	<50
P-11 (1-1.5')	<1.0	<1.0	<1.0	**95**	<1.0	**12**	**24**	**0.53J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.8**	<1.0	<10	<20	<50
P-12 (SURF)	<1.0	<1.0	<1.0	**110**	<1.0	**12**	**18**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	<10	<20	<50
P-12 (1-1.5')	<1.0	<1.0	<1.0	<25	**0.41J**	**2.7**	**6.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-14 (SURF)	<1.0	<1.0	<1.0	**60**	**2.2**	**97**	**61**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.25J**	**0.71J**	<1.0	<10	<20	<50
P-14 (1-1.5')	<1.0	<1.0	<1.0	<25	**0.47J**	**14**	**9.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-15 (SURF)	<1.0	<1.0	**0.49J**	**1,500**	<1.0	**410**	**160**	**6.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**11**	<1.0	<10	<20	<50
P-15 (1-1.5')	<1.0	<1.0	<1.0	<25	**9.3**	**50**	**36**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<10	<20	<50
HHRA NOTE #3				430																
RSLs	39	--	570	1,700	2,300	2,000	1,900	34	--	--	--	--	--	--	130	70	--	210	--	490

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Table 4-1 - Soil Results for OCPs (cont')
(results in µg/kg)

Sample Identification	Aldrin	(a,b,d)-BHC	Gamma-BHC	Chlordane-technical	DDD	DDE	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Hexachloro benzene	Hexachloro cyclopentadiene	Toxaphene
P-15 (1-1.5') DUPE	<1.0	<1.0	<1.0	<25	**8.9**	**50**	**31**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	<10	<20	<50
P-16 (SURF)	<1.0	<1.0	<1.0	**170**	**3.3**	**4.5**	**18**	**2.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	<10	<20	<50
P-25 (SURF)	<1.0	<1.0	<1.0	<25	**0.49J**	**62**	**25**	**0.43J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-25 (1-1.5')	<1.0	<1.0	<1.0	<25	<1.0	**2.6**	**2.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-26 (SURF)	<1.0	<1.0	<1.0	<25	<1.0	**43**	**23**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-26 (1-1.5')	<1.0	<1.0	<1.0	<25	<1.0	**3.1**	**1.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-27 (SURF)	<1.0	<1.0	<1.0	<25	**2.8**	**150**	**62**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-27 (1-1.5')	<1.0	<1.0	<1.0	<25	**<1.0**	**1.3**	**<1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
SSI (October 2015)																				
SS-6A (SURF)	<1.0	<1.0	<1.0	<25	**0.54J**	**12**	**6.5**	**0.42J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.65J**	<1.0	<1.0	<10	<20	<50
SS-6A (1-1.5')	<1.0	<1.0	<1.0	<25	**0.53J**	**6.9**	**4.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
SS-6B (SURF)	<2.0	<2.0	<2.0	<50	**1.2J**	**25**	**15**	**1.5 J**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<40	**410**
SS-6B (1-1.5')	<1.0	<1.0	<1.0	<25	<1.0	**0.98J**	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
SS-6C (SURF)	<1.0	<1.0	<1.0	<25	**1.2**	**17**	**16**	**0.85J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.35J**	<1.0	<10	<20	<50
SS-6C (1-1.5')	<1.0	<1.0	<1.0	<25	<1.0	**5.0**	**2.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
SS-6D (SURF)	<1.0	<1.0	<1.0	**37**	**0.87J**	**11**	**14**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.39J**	<1.0	<10	<20	<50
SS-6D (1-1.5')	<1.0	<1.0	<1.0	<25	**<1.0**	**4.2**	**1.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
SS-6E (SURF)	<1.0	<1.0	<1.0	**44**	**2.5**	**21**	**20**	**0.54J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<10	<20	<50
SS-6E (1-1.5')	<1.0	<1.0	<1.0	<25	<1.0	**0.45J**	**<1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.26 J**	<1.0	<1.0	<10	<20	<50
P-4A (2-2.5')	<1.0	<1.0	<1.0	**20J**	<1.0	**0.99J**	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-10A (SURF)	<1.0	<1.0	<1.0	**130**	**1.6**	**6.5**	**7.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
P-10A (1-1.5')	<1.0	<1.0	<1.0	<25	<1.0	**2.2**	**7.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.29 J**	<1.0	<1.0	<10	<20	<50
P-10B (SURF)	<1.0	<1.0	<1.0	**500**	**1.6**	**7.8**	**8.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.94 J**	**5.2**	<1.0	<10	<20	<50
P-10B (1-1.5')	<1.0	<1.0	<1.0	<25	<1.0	**1.0**	**1.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.23J**	<1.0	<10	<20	<50
P-10C (SURF)	<1.0	<1.0	<1.0	**1,700**	<1.0	**5.3**	**5.8**	<1.0	<1.0	<1.0	<1.0	**2.1**	<1.0	<1.0	**0.76 J**	**19**	<1.0	<10	<20	<50
P-10C (1-1.5')	<1.0	<1.0	<1.0	**410**	**2.8**	**6.1**	**4.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.8**	<1.0	<10	<20	<50
P-10D (SURF)	<1.0	<1.0	<1.0	**4,800**	<1.0	**28**	**81**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.4**	**30**	<1.0	<10	<20	<50
P-10D (1-1.5')	<1.0	<1.0	<1.0	**31**	**0.33J**	**2.7**	**7.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.28J**	<1.0	<10	<20	<50
P-11A (SURF)	<1.0	<1.0	<1.0	**100**	**1.8**	**12**	**27**	**0.76J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2J**	<1.0	<10	<20	<50
P-11A (1-1.5')	<1.0	<1.0	<1.0	**83**	**2.1**	**6.9**	**14**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
HHRA NOTE #3				430																
RSLs	39	--	570	1,700	**2,300**	**2,000**	**1,900**	34	--	--	--	--	--	--	130	70	--	210	--	490

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Table 4-1 - Soil Results for OCPs (cont')
(results in µg/kg)

Sample Identification	Aldrin	(a,b,d)-BHC	Gamma-BHC	Chlordane-technical	DDD	DDE	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Hexachloro benzene	Hexachloro cyclopentadiene	Toxaphene
P-11B (SURF)	<1.0	<1.0	<1.0	650	4.3	26	55	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.7	<1.0	<10	<20	<50
P-11B (SURF) DUPE	<1.0	<1.0	<1.0	470	4.4	21	44	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.71J	3.8	<1.0	<10	<20	<50
P-11B (1-1.5')	<1.0	<1.0	<1.0	58	<1.0	3.8	9.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.32J	0.55 J	<1.0	<10	<20	<50
P-15A (SURF)	<1.0	<1.0	<1.0	190	6.4	150	55	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.4	<1.0	<10	<20	<50
P-15A (1-1.5')	<1.0	<1.0	<1.0	<25	1.7	9.2	7.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.34J	<1.0	<1.0	<10	<20	<50
P-15A (1-1.5') DUPE	<1.0	<1.0	<1.0	<25	0.99J	6.2	6.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<20	<50
Phase II (July 2014)																				
SS-1*	<9.9	<9.9	<9.9	<200	21	320	87	<9.9	<9.9	9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	--	--	<200
SS-2*	<2.0	<2.0	<2.0	<40	26	280	33	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	--	<40
SS-3*	<2.0	<2.0	<2.0	<39	26	280	33	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	--	<39
SS-4*	<2.0	<2.0	<2.0	180	31	230	26	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	--	<39
SS-5*	<20	400	280	2,800	26	360	91	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	--	--	<400
SS-6*	<2.0	86	50	520	28	55	26	8.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	12	<2.0	--	--	<40
SS-7*	<2.0	5.9	3.7	<40	29	240	26	2.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	--	<40
SS-8*	<2.0	<2.0	<2.0	<40	21	120	14	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	--	<40
SS-9*	<2.0	7.0	5.5	67	48	260	29	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	--	<40
SS-10*	<2.0	<2.0	<2.0	<40	31	220	16	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	--	<40
SS-11*	<2.0	3.2	3.5	<39	32	180	21	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	--	<39
SS-12*	<9.7	25	31	240	17	150	60	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	--	--	<190
SS-13*	<2.0	15	12	110	21	42	14	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	--	<40
SS-14*	<9.8	<9.8	<9.8	<200	28	410	88	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	--	--	<200
SS-15*	<2.0	3.5	3.9	<40	47	190	26	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	--	<40
SS-16*	<1.9	<1.9	<1.9	<39	<1.9	8.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	--	--	<39
HHRA NOTE #3				430																
RSLs	39	--	570	1,700	2,300	2,000	1,900	34	--	--	--	--	--	--	130	70	--	210	--	490

Notes:
µg/kg – micrograms per kilogram
* Surface soil sample (Cornerstone, June 2014)
-- Not reported
HHRA – Human Health Risk Assessment Note #3, Table 1 (May 2015).
RSL – U.S. EPA Regional Screening Levels (June, 2015)
3,700 – above screening level

Table 4-2 - Soil Results for Arsenic and Lead (results in mg/kg)

Sample Identification	Arsenic	Lead
U.S. EPA Method	6020	6020
PEA (July 2015)		
SS-6A (1-1.5')	**11**	--
AS-1 (SURF)	**13**	--
AS-2 (SURF)	**7.2**	--
AS-3 (SURF)	**5.7**	--
P-7 (SURF)	--	**39**
P-7 (1-1.5')	--	**79**
P-10 (SURF)	--	**29**
P-10 (1-1.5')	--	**9.3**
P-11 (SURF)	--	**24**
P-11 (1-1.5')	--	**13**
P-13 (SURF)	--	**92**
P-13 (1-1.5')	--	**17**
P-14 (SURF)	--	**36**
P-15 (SURF)	--	**220**
P-17 (SURF)	--	**310**
P-17 (SURF) DUP	--	**310**
P-17 (1-1.5')	--	**43**
P-18 (SURF)	--	**93**
P-18 (1-1.5')	--	**17**
P-19 (SURF)	--	**180**
P-19 (1-1.5')	--	**31**
P-19 (1-1.5') DUPE	--	**27**
P-20 (SURF)	--	**35**
P-20 (1-1.5')	--	**11**
P-21 (SURF)	--	**40**
P-21 (1-1.5')	--	**9.4**
P-23 (SURF)	--	**42**
P-23 (1-1.5')	--	**13**
Screening Level	12[A]	80[B]

Table 4-2 - Soil Results for Arsenic and Lead (cont')
(results in mg/kg)

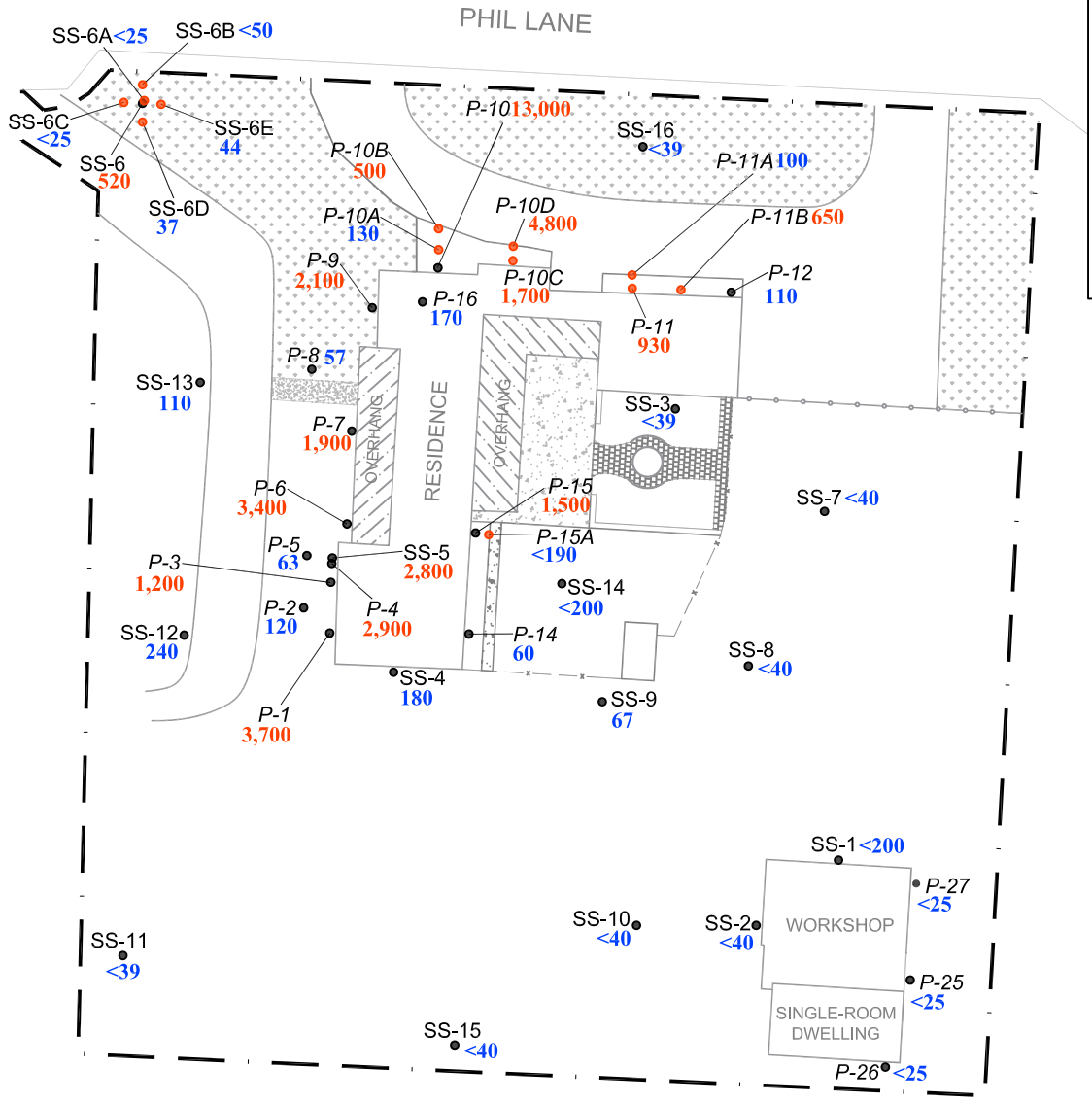
Sample Identification	Arsenic	Lead
U.S. EPA Method	6020	6020
P-24 (SURF)	--	**83**
P-24 (1-1.5')	--	**10**
P-24 (1-1.5') DUP	--	**9.0**
P-25 (SURF)	--	**47**
P-25 (1-1.5')	--	**9.8**
P-26 (SURF)	--	**29**
P-26 (1-1.5')	--	**12**
P-27 (SURF)	--	**64**
P-27 (SURF) DUP	--	**39**
P-27 (1-1.5')	--	**14**
P-28 (SURF)	--	**150**
P-28 (1-1.5')	--	**12**
SSI (October 2015)		
P-13A (SURF)	--	**68**
P-13B (SURF)	--	**62**
P-15A (SURF)	--	**31**
P-17A (SURF)	--	**73**
P-17A (SURF) DUPE	--	**60**
P-28A (SURF)	--	**65**
P-29 (SURF)	--	**39**
P-29A (SURF)	--	**36**
P-30 (SURF)	--	**65**
P-31 (SURF)	--	**41**
P-32 (SURF)	--	**42**
P-33 (SURF)	--	**49**
Screening Level	12[A]	80[B]

Table 4-2 - Soil Results for Arsenic and Lead (cont')
(results in mg/kg)

Sample Identification	Arsenic	Lead
U.S. EPA Method	6020	6020
Phase II (June 2014)		
SS-1	**11**	**40**
SS-2	**12**	**100**
SS-3	**8.7**	**20**
SS-4	**7.3**	**23**
SS-5	**13**	**51**
SS-6	**15**	**75**
SS-7	**8.0**	**20**
SS-8	**7.8**	**18**
SS-9	**7.8**	**42**
SS-10	**8.9**	**27**
SS-11	**6.4**	**19**
SS-12	**8.2**	**72**
SS-13	**5.2**	**52**
SS-14	**8.9**	**33**
SS-15	**6.6**	**22**
SS-16	**6.8**	**9.0**
Screening Level	12[A]	80[B]

Notes:

mg/kg	milligrams per kilogram
'--'	Not analyzed
150	Above screening level
A	School Site Screening level from DTSC Guidance (4/30/08)
B	OEHHA Leadspread Version 8



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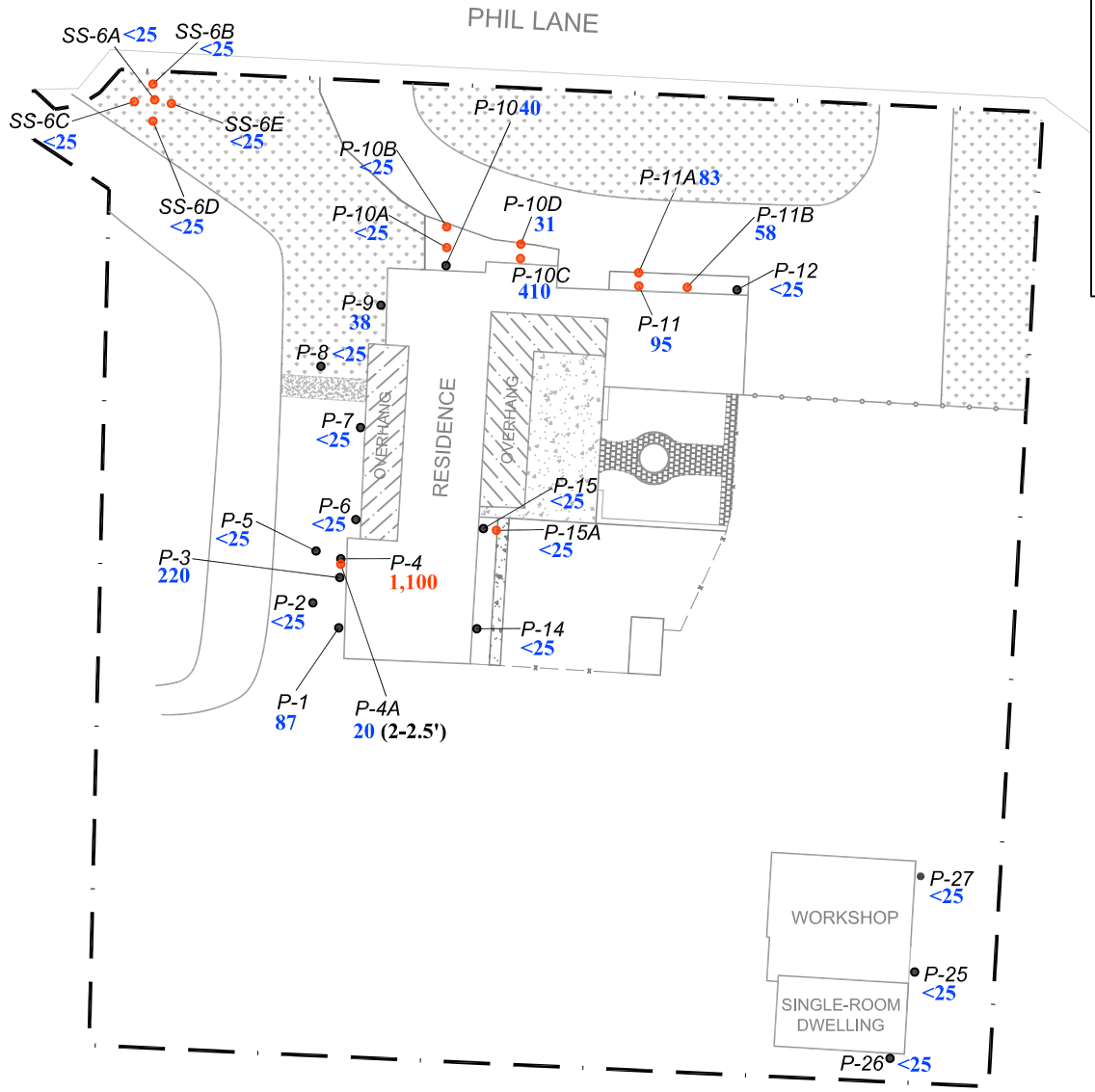
SEDGWICK ELEMENTARY SCHOOL EXPANSION
10480 FINCH AVENUE
CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA

PROJECT NO.	DATE	DR. BY	APP. BY
1401-2172	11/10/15	AC	AJK

PLATE 4-1A

CHLORDANE RESULTS (SURFACE SOIL)



PROJECT SITE BOUNDARY

SS-7 PEA/PHASE II SOIL SAMPLE LOCATION

P-1 SSI SOIL SAMPLE LOCATION

2,800 CHLORDANE CONC. ABOVE RSL

110 CHLORDANE CONC. AT OR BELOW RSL

*ALL SOIL SAMPLE DEPTHS AT 1 - 1.5' EXCEPT FOR *P-4A* WHICH IS AT 2 - 2.5'.*

RESULTS IN MICROGRAMS PER KILOGRAM

0 50
FEET

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PLATE 4-1B

CHLORDANE RESULTS (SUBSURFACE SOIL)

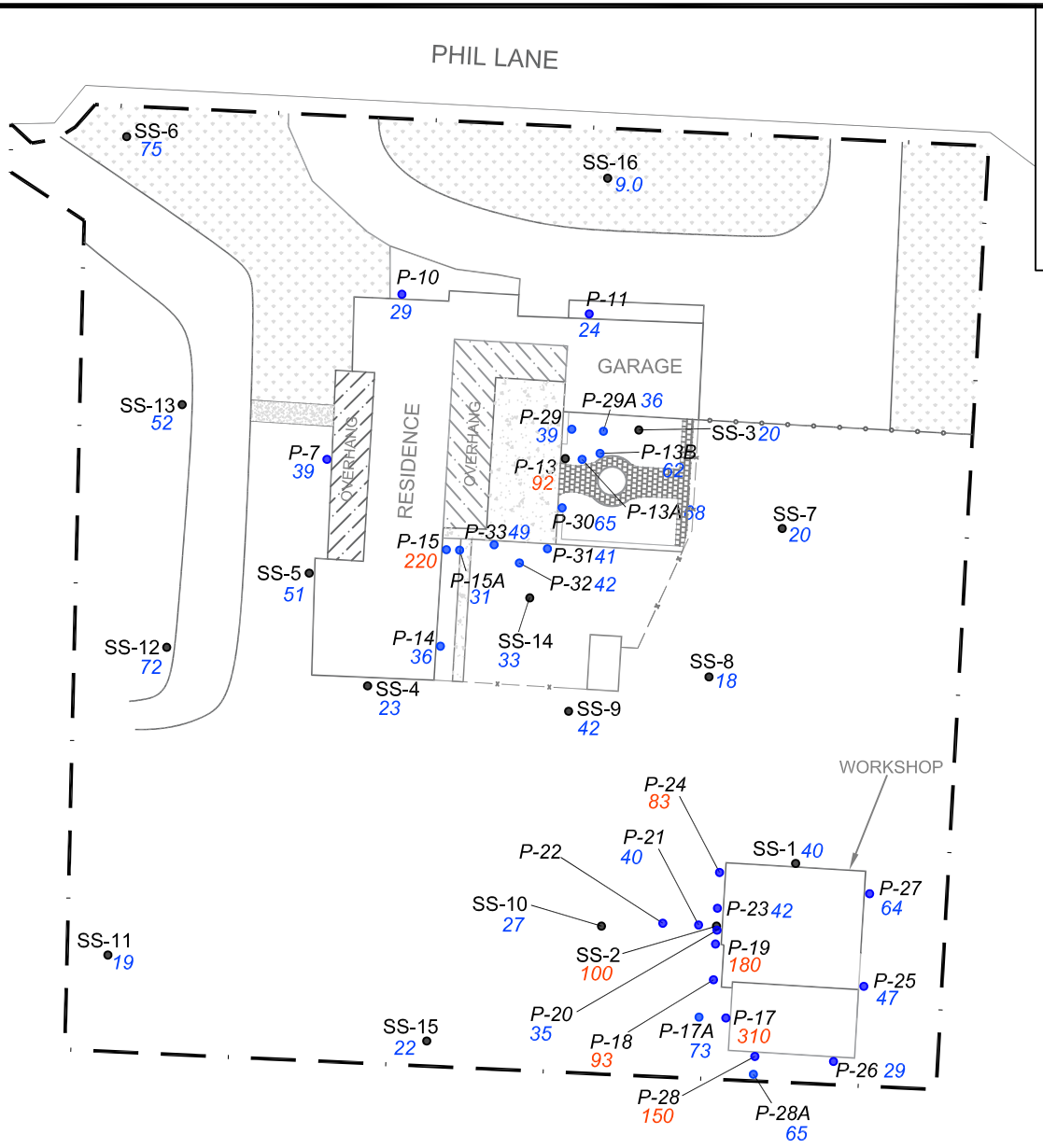

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PLATE 4-2

LEAD RESULTS (SURFACE SOIL)

5.0 RISK ASSESSMENT

The chemical of potential concern (COCs) used in the human health screening-level evaluation for the Project Site included those compounds that were further evaluated as part of the PEA (pesticides and metals). Therefore, the following COPCs in soil were evaluated:

- Organochlorine Pesticides: Chlordane, DDD, DDE, DDT, Dieldrin, gamma-BHC (lindane), Endrin, Heptachlor, Heptachlor Epoxide, and Toxaphene
- Metals: Lead

The DTSC-modified screening levels or the U.S. EPA RSLs (if DTSC-modified screening levels were not available) 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 COC intake below the level at which deleterious health effects are considered possible.

In accordance with PEA guidance documents and DTSC's Human Health Risk Assessment (HHRA) Note No.3, dated May 2015, the maximum detected chemical concentrations in soil were evaluated as potential exposure point concentrations (EPCs). 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 sums of the chemical-specific screening cancer risk and screening hazard index are the cumulative screening cancer risk and hazard index, respectively.

The total risk from OCPs identified in soils at the Project Site was estimated to be 3.3×10^{-5}, which provides an increased cancer risk of greater than 1 in 1,000,000 ($>10^{-6}$). The total health hazard from OCPs identified in soils at the Project Site was estimated to be 0.46, which does not present an increased health hazard (i.e., >1). Therefore, a response action to reduce or eliminate the pesticides identified in surficial soils at the Project Site is recommended. The results of the screening-level evaluation are presented in **Table 5-1**.

Lead concentrations ranged from 9.0 mg/kg to 310 mg/kg in soil samples collected across the Project Site which exceeds DTSC's screening level of 80 mg/kg. A risk assessment was performed using the DTSC lead risk assessment spreadsheet model (LeadSpread Version 8). 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 8.0 µg/dl in children which exceeds OEHHA's blood toxicity level of 1 µg/l. Therefore, a response action to reduce or eliminate the lead-impacted soil is recommended. A copy of the LeadSpread Risk Assessment Spreadsheet is presented in **Appendix D**.

Table 5-1
Soil Exposure Screening Evaluation
Sedgwick Elementary School Expansion Project
Cupertino Union School District

COPC	Exposure-Point Concentration (mg/kg)	Carcinogenic Risk			Non-carcinogenic Hazard		
		Screening Level (mg/kg)	Source	Cancer Risk	Screening Level (mg/kg)	Source	Hazard Index
Chlordane	13	0.43	HHRA Note #3	3.02E-05	34	RSL	3.82E-01
DDD	0.0093	2.3	RSL	4.04E-09	37	Surrogate RSL	2.51E-04
DDE	0.41	2	RSL	2.05E-07	37	Surrogate RSL	1.11E-02
DDT	0.26	1.9	RSL	1.37E-07	37	RSL	7.03E-03
Dieldrin	0.0068	0.034	RSL	2.00E-07	3.2	RSL	2.13E-03
Endrin	0.0027	nc	RSL	NA	19	RSL	1.42E-04
g-BHC (lindane)	0.00049	0.57	RSL	8.60E-10	21	RSL	2.33E-05
Heptachlor	0.021	0.13	RSL	1.62E-07	39	RSL	5.38E-04
Heptachlor Epoxide	0.057	0.07	RSL	8.14E-07	1	RSL	5.70E-02
Toxaphene	0.41	0.49	RSL	8.37E-07	NE	NA	NA
			Total Risk:	**3.26E-05**	**Total Hazard:**		**4.61E-01**

Notes:

COPC = chemical of potential concern

EPC = exposure point concentration

Exposure Point Concentration = maximum detected concentration in soil samples collected at the site

HHRA = Human Health Risk Assessment Note #3, Table 1 (DTSC HERO, May 2015)

RSL = regional screening level for residential soil (U.S.EPA June 2015)

mg/kg = milligrams per kilogram

Surrogate RSL = RSL not established for DDD, DDE. RSL for DDT was used as a surrogate value.

nc = non-carcinogenic

NE = not established

NA = not applicable

6.0 CONCLUSIONS AND RECOMMENDATIONS

The organochlorine pesticides chlordane, DDD, DDE, DDT, dieldrin, gamma-BHC (lindane), endrin heptachlor, heptachlor epoxide, and toxaphene were identified in surface soils at the Project Site. Using the highest concentration for each COC identified at the Project Site, the total risk index was estimated to be 3.3×10^{-5}, which provides an increased cancer risk of greater than 1 in 1,000,000 ($>10^{-6}$). Chlordane is the predominant pesticide of concern with the impacted areas identified to be located at the north, west and southeast perimeters of the main residence structure. The estimated extent of pesticide-impacted soil identified at the Project Site is presented on **Plate 6-1**.

Concentrations of lead ranged from 9 to 310 mg/kg in surface soil samples collected at the Project Site, which exceeds DTSC's screening level of 80 mg/kg. Additionally, using DTSC's LeadSpread risk evaluation model, exposure to the lead concentrations identified at the Project Site could result in a 90th percentile blood lead concentration of 8.0 µg/dl in children, which exceeds OEHHA's blood toxicity level of 1 µg/dl. The estimated extent of lead-impacted soil identified at the Project Site is presented on **Plate 6-2**.

Due to elevated concentrations of COCs identified in surface soil around existing structures located at the Project Site, Padre recommends further action to reduce or eliminate the potential impact of these contaminants. The recommended remedial action is excavation, transportation and off-site disposal at an appropriate landfill. The estimated quantity of OCP and lead-impacted soil is approximately 300 cubic yards.

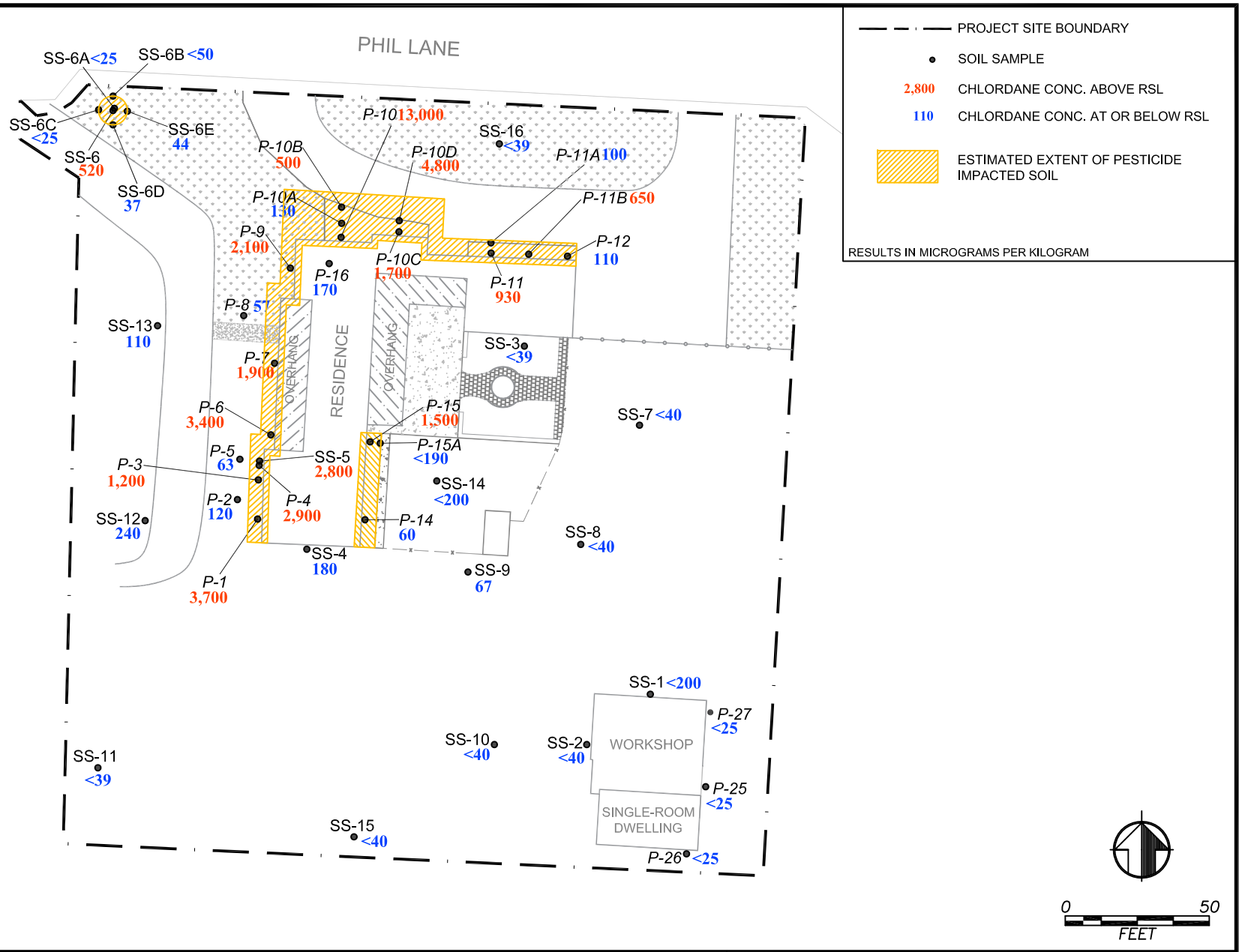

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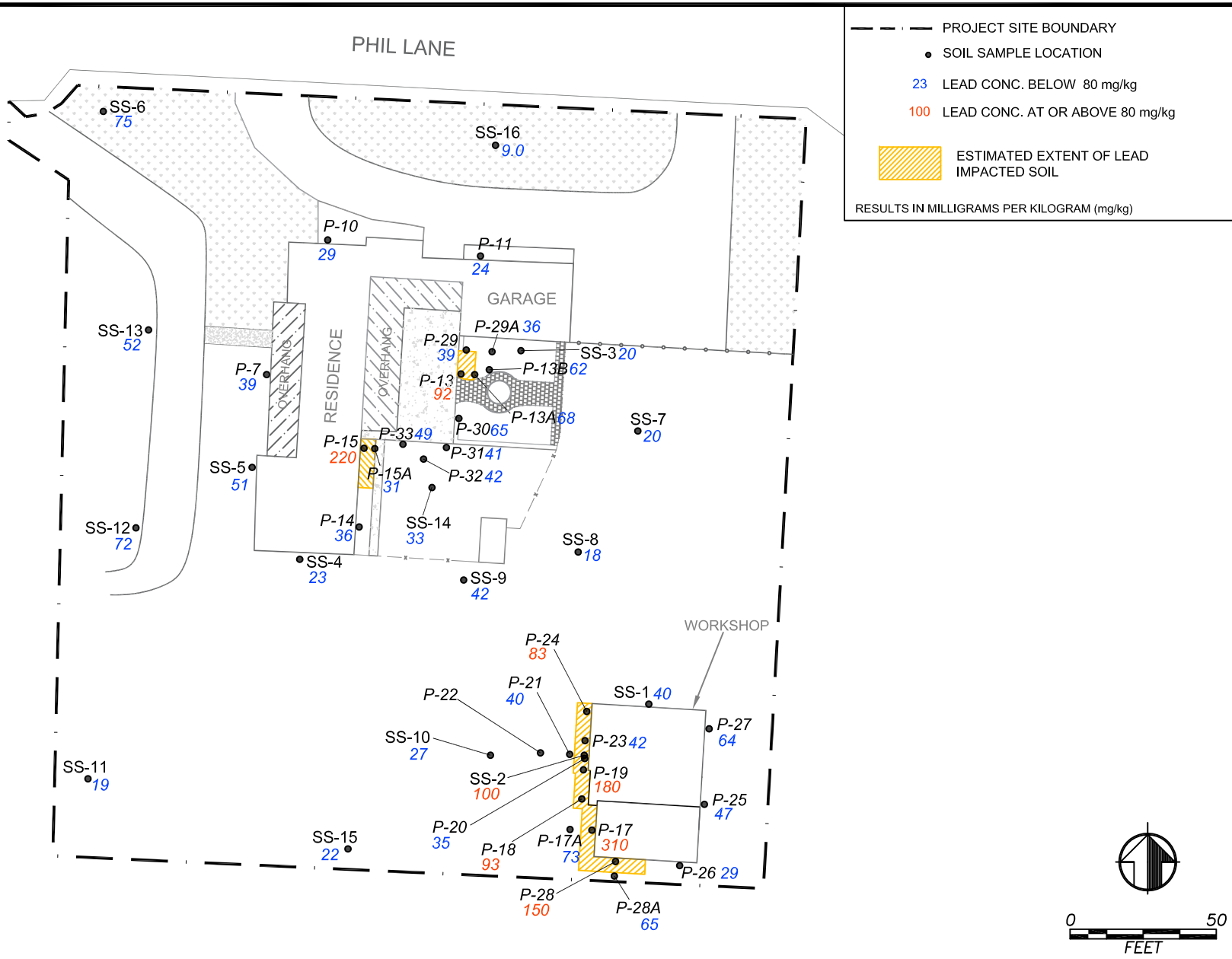
PLATE 6-1

ESTIMATED EXTENT OF PESTICIDE IMPACTED SOIL



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PROJECT NO.	DATE	DR. BY	APP. BY
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PLATE 6-2

ESTIMATED EXTENT OF LEAD IMPACTED SOIL

7.0 REFERENCES

Cornerstone Group, *Phase I Environmental Site Assessment and Preliminary Soil Quality Evaluation, 10480 Finch Avenue, Cupertino, California*, July 11, 2014.

Department of Toxic Substances Control, *Interim Guidance, Evaluation of School Sites with Potential Contamination as a Result of Lead from Lead-Based-Paint, Organochlorine Pesticides from Temiticides, and Polychlorinated Biphenyls from Electrical Transformers*, revised June 9, 2006.

Department of Toxic Substances Control, *Interim Guidance for Sampling Agricultural Properties (Third Revision), August 7, 2008*.

Department of Toxic Substances Control, *Preliminary Environmental Assessment Guidance Manual*, January 1994, Interim Final – Final October 2013.

Padre Associates, Inc., *Preliminary Environmental Assessment, Sedgwick Elementary School Expansion Project, 10480 Finch Avenue, Cupertino, Santa Clara County, California,* September 2015.

Padre Associates, Inc., *Preliminary Environmental Assessment Workplan, Sedgwick Elementary School Expansion Project, 10480 Finch Avenue, Cupertino, Santa Clara County, California,* May 2015.

Padre Associates, Inc., *Technical Memorandum, Sedgwick Elementary School Expansion Project, 10480 Finch Avenue, Cupertino, Santa Clara County, California Cupertino Union School District,* September 2015.

APPENDIX A
DTSC CORRESPONDANCE

Department of Toxic Substances Control

Barbara A. Lee, Director
8800 Cal Center Drive
Sacramento, California 95826-3200

Matthew Rodriquez
Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

October 21, 2015

Ms. Mary Ann Duggan, P.E.
Director – Facility Modernization
Cupertino Union School District
10301 Vista Drive
Cupertino, California 95014

APPROVAL OF SUPPLEMENTAL SITE INVESTIGATION TECHNICAL MEMORANDUM, CUPERTINO UNION SCHOOL DISTRICT, SEDGWICK ELEMENTARY SCHOOL EXPANSION PROJECT, 10480 FINCH AVENUE, CUPERTINO, SANTA CLARA COUNTY (PROJECT CODE 204271)

Dear Ms. Duggan:

The Department of Toxic Substances Control (DTSC) reviewed the draft Supplemental Site Investigation Technical Memorandum (SSI TM – Padre Associates, Inc., October 14, 2015) received on October 14, 2015 via e-mail. The SSI TM includes site background information and proposed sampling activities to further delineate the extent of identified releases in the Preliminary Environmental Assessment.

According to the SSI TM, the approximately 1.48-acre property consists of a single family residential parcel identified by Santa Clara County as Assessor's Parcel Number 375-40-067, located at 10480 Finch Avenue, Cupertino, California (Site). The Site has been used as residential property since 1956. Orchard trees existed on the Site from 1939 to 1956. Two small, single-room dwellings are located to the south of a workshop. The dwellings are reportedly of wood-frame construction and are resting on concrete blocks.

The SSI TM includes a sampling strategy to further delineate the lateral and/or vertical extent of impacted soil associated with sample locations P-4 (west side of residence), P-10 and P-11 (north side of residence), P-15 (east side of residence), SS-6 (northwest yard area), P-13 and P-15 (residence courtyard), and P-17 and P-28 (single-room dwelling). Samples will be analyzed for organochlorine pesticides by U.S. EPA Method 8081A and/or lead by U.S. EPA Method 6020.

DTSC concurs with the proposed sampling strategy and hereby approves the SSI TM for implementation. If Site conditions differ from those presented in the approved SSI TM, additional work may be necessary. In accordance with Education Code section 17213.1, subdivision (a)(7), the Cupertino Union School District has provided a draft notice in the SSI TM that will be distributed to residents and businesses in the immediate area no less than three to 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 proposed Site. Please notify DTSC a minimum of 48 hours in advance of field work or schedule changes.

If you have any questions regarding the project, please contact me at (916) 255-3577 or via e-mail at Jose.Luevano@dtsc.ca.gov.

Sincerely,

Jose Luevano, Project Manager
Northern California Schools Unit
Brownfields and Environmental Restoration Program

cc: (via e-mail)

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Mr. Jose Salcedo, P.E., Chief
DTSC Northern California Schools Unit
Jose.Salcedo@dtsc.ca.gov

APPENDIX B
QUALITY ASSURANCE PROJECT PLAN

APPENDIX B

QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) PROCEDURES

The QA/QC procedures will be employed in both the field and the laboratory. QA/QC samples include the collection of equipment rinseate samples, field blank samples, and duplicate split samples.

FIELD QA/QC PROCEDURES

Field QA/QC procedures will be performed at the site and consist of the following measures:

- Chain-of-Custody (COC) forms will be used for sample submittal to the laboratory; and
- Daily information regarding sample collection will be recorded by Padre in Field Logbooks. Sample types, soil descriptions, sample identification numbers, and sample times will be collected and recorded on Field Data Sheets and in the Field Logbooks. Pages will be numbered, dated, and signed by the person performing data entry.

Field QA/QC samples will be collected and submitted for analysis along with the discrete soil samples using the following sampling frequency:

- Equipment blanks - One equipment rinsate blank per sample event;
- Field blanks - One field blank sample per sample event; and
- Field duplicates – Approximately 10% of the collected samples will be analyzed as duplicate samples for select chemical analyses.

Equipment Rinseate Blanks

An equipment rinseate blank (equipment blank) will be collected from the final water rinsed over equipment after cleaning activities have been performed. The equipment blank will be collected from non-dedicated (reusable) sampling equipment such as soil sampling tools. The equipment blank will be analyzed for arsenic using the same analytical method used on the unique soil samples.

To collect an equipment blank sample, rinse water will be carefully poured over or through the recently cleaned equipment, and collected directly into an appropriate sample container held over a bucket. Equipment blank samples will be labeled and handled in the same manner as all other samples.

Field Blanks

Field blank samples consist of a sample of the deionized water that was used to rinse sampling equipment during equipment cleaning activities. The purpose of the field blank sample is to evaluate the rinse water for compounds detected in the soil samples. A field blank sample will be collected by pouring rinse water into the appropriate sample container. The field blank will be analyzed for arsenic using the same analytical method used on the unique soil samples, and the field blank samples will be handled in the same manner as all other samples.

Duplicate Samples

Duplicate soil sample(s) will be analyzed in order to evaluate the analytical procedures and methods employed by the laboratory. The field duplicate sample(s) will be selected from the original soil samples, and split by the laboratory. Duplicate soil samples will be analyzed for OCPs and lead.

Duplicate soil gas sample(s) will be collected immediately after the original sample, in separate sample containers, at the same location and depth. Duplicate soil gas samples will be analyzed for VOCs.

Laboratory QA/QC Procedures

Laboratory QA/QC procedures include the following:

- Laboratory analyses will be performed within the required holding time for all samples;
- Appropriate minimum reporting limits (RLs) will be used for each analysis;
- A state-certified hazardous waste testing laboratory will conduct the required analysis;
- The laboratory will provide the following information for each sample:
  - Method blank data;
  - Surrogate recovery, instrument tuning, and calibration data; and
  - Signed laboratory reports including the sample designation, date of sample collection, date of sample analysis, laboratory analytical method employed, sample volume, and the minimum RL.

To determine whether Quality Assurance/Quality Control (QA/QC) requirements for sampling and analysis were met for the project, and to determine whether the data are usable for risk assessment purposes, a cursory data validation review will be done on the data summary package provided by the laboratory. This review will include an evaluation of chain-of-custody documentation, holding times, reporting limits, precision and accuracy of goals,

representativeness, and completeness of the data. QA/QC requirements that are not met will be evaluated in the 'uncertainty' portion of the risk assessment. Documentation of the data validation review will be included with the PEA report.

Detection Limits

Detection limits for OCPs and metals that will be met by the analytical laboratory are listed in the following DTSC document(s), and are attached:

- DTSC's *Advisory – Active Soil gas Investigations*, dated April 2012, and
- DTSC, *Interim Guidance, Evaluation of School Sites with Potential Contamination as a Result of Lead from Lead-Based-Paint, Organochlorine Pesticides from Temiticides, and Polychlorinated Biphenyls from Electrical Transformers*, revised June 9, 2006.

Padre proposes to utilize McCampbell Analytical Inc. (McCampbell) located in Pittsburg, California to provide the required chemical analyses of collected soil, soil gas, and water samples. McCampbell is certified (No. 1644) by the California State Environmental Laboratory Accreditation Program Branch to provide the required chemical analyses.

APPENDIX C
ANALYTICAL LABORATORY REPORTS AND CHAIN-OF CUSTODYS

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1510A30 **Amended:** 11/10/2015

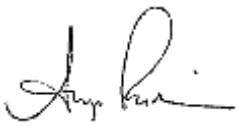
Report Created for: Padre Associates. Inc.

555 University Ave., Suite 110
Sacramento, CA 95825

Project Contact: Alan J. Klein
Project P.O.:
Project Name: 1401-2172; Cupertino (Sedgwick SSI)

Project Received: 10/28/2015

Analytical Report reviewed & approved for release on 11/05/2015 by:



Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Padre Associates. Inc.
Project: 1401-2172; Cupertino (Sedgwick SSI)
WorkOrder: 1510A30

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.

Quality Control Qualifiers

F8	MS/MSD recovery and/or RPD was out of acceptance criteria; PDS validated the prep batch. If PDS recovery was out of acceptance criteria, DLT validated the prep batch.

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-4A (2-2.5')	1510A30-001A	Soil	10/27/2015 09:00	GC22	112155

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/03/2015 20:07
a-BHC	ND		0.00010	0.0010	1	11/03/2015 20:07
b-BHC	ND		0.00025	0.0010	1	11/03/2015 20:07
d-BHC	ND		0.00037	0.0010	1	11/03/2015 20:07
g-BHC	ND		0.000097	0.0010	1	11/03/2015 20:07
Chlordane (Technical)	**0.020**	J	0.016	0.025	1	11/03/2015 20:07
a-Chlordane	**0.0025**		0.00047	0.0010	1	11/03/2015 20:07
g-Chlordane	**0.0015**		0.00021	0.0010	1	11/03/2015 20:07
p,p-DDD	ND		0.00014	0.0010	1	11/03/2015 20:07
p,p-DDE	**0.00099**	J	0.00032	0.0010	1	11/03/2015 20:07
p,p-DDT	**0.0012**		0.00043	0.0010	1	11/03/2015 20:07
Dieldrin	ND		0.00033	0.0010	1	11/03/2015 20:07
Endosulfan I	ND		0.00065	0.0010	1	11/03/2015 20:07
Endosulfan II	ND		0.00020	0.0010	1	11/03/2015 20:07
Endosulfan sulfate	ND		0.00063	0.0010	1	11/03/2015 20:07
Endrin	ND		0.00042	0.0010	1	11/03/2015 20:07
Endrin aldehyde	ND		0.00020	0.0010	1	11/03/2015 20:07
Endrin ketone	ND		0.00013	0.0010	1	11/03/2015 20:07
Heptachlor	ND		0.00021	0.0010	1	11/03/2015 20:07
Heptachlor epoxide	ND		0.00020	0.0010	1	11/03/2015 20:07
Hexachlorobenzene	ND		0.00027	0.010	1	11/03/2015 20:07
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/03/2015 20:07
Methoxychlor	ND		0.00089	0.0010	1	11/03/2015 20:07
Toxaphene	ND		0.035	0.050	1	11/03/2015 20:07

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	86	70-130	11/03/2015 20:07

Analyst(s): CK

(Cont.)

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-10A (SURF)	1510A30-003A	Soil	10/27/2015 10:00	GC23	112155

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.00027	0.0010	1	10/31/2015 17:17
a-BHC	ND	0.00010	0.0010	1	10/31/2015 17:17
b-BHC	ND	0.00025	0.0010	1	10/31/2015 17:17
d-BHC	ND	0.00037	0.0010	1	10/31/2015 17:17
g-BHC	ND	0.000097	0.0010	1	10/31/2015 17:17
Chlordane (Technical)	**0.13**	0.016	0.025	1	10/31/2015 17:17
a-Chlordane	**0.015**	0.00047	0.0010	1	10/31/2015 17:17
g-Chlordane	**0.0086**	0.00021	0.0010	1	10/31/2015 17:17
p,p-DDD	**0.0016**	0.00014	0.0010	1	10/31/2015 17:17
p,p-DDE	**0.0065**	0.00032	0.0010	1	10/31/2015 17:17
p,p-DDT	**0.0073**	0.00043	0.0010	1	10/31/2015 17:17
Dieldrin	ND	0.00033	0.0010	1	10/31/2015 17:17
Endosulfan I	ND	0.00065	0.0010	1	10/31/2015 17:17
Endosulfan II	ND	0.00020	0.0010	1	10/31/2015 17:17
Endosulfan sulfate	ND	0.00063	0.0010	1	10/31/2015 17:17
Endrin	ND	0.00042	0.0010	1	10/31/2015 17:17
Endrin aldehyde	ND	0.00020	0.0010	1	10/31/2015 17:17
Endrin ketone	ND	0.00013	0.0010	1	10/31/2015 17:17
Heptachlor	ND	0.00021	0.0010	1	10/31/2015 17:17
Heptachlor epoxide	ND	0.00020	0.0010	1	10/31/2015 17:17
Hexachlorobenzene	ND	0.00027	0.010	1	10/31/2015 17:17
Hexachlorocyclopentadiene	ND	0.00040	0.020	1	10/31/2015 17:17
Methoxychlor	ND	0.00089	0.0010	1	10/31/2015 17:17
Toxaphene	ND	0.035	0.050	1	10/31/2015 17:17

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	78	70-130	10/31/2015 17:17

Analyst(s): SS

(Cont.)

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-10A (1-1.5')	1510A30-004A	Soil	10/27/2015 10:03	GC22	112155

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/03/2015 06:54
a-BHC	ND		0.00010	0.0010	1	11/03/2015 06:54
b-BHC	ND		0.00025	0.0010	1	11/03/2015 06:54
d-BHC	ND		0.00037	0.0010	1	11/03/2015 06:54
g-BHC	ND		0.000097	0.0010	1	11/03/2015 06:54
Chlordane (Technical)	ND		0.016	0.025	1	11/03/2015 06:54
a-Chlordane	ND		0.00047	0.0010	1	11/03/2015 06:54
g-Chlordane	**0.00023**	J	0.00021	0.0010	1	11/03/2015 06:54
p,p-DDD	ND		0.00014	0.0010	1	11/03/2015 06:54
p,p-DDE	**0.0022**		0.00032	0.0010	1	11/03/2015 06:54
p,p-DDT	**0.0078**		0.00043	0.0010	1	11/03/2015 06:54
Dieldrin	ND		0.00033	0.0010	1	11/03/2015 06:54
Endosulfan I	ND		0.00065	0.0010	1	11/03/2015 06:54
Endosulfan II	ND		0.00020	0.0010	1	11/03/2015 06:54
Endosulfan sulfate	ND		0.00063	0.0010	1	11/03/2015 06:54
Endrin	ND		0.00042	0.0010	1	11/03/2015 06:54
Endrin aldehyde	ND		0.00020	0.0010	1	11/03/2015 06:54
Endrin ketone	ND		0.00013	0.0010	1	11/03/2015 06:54
Heptachlor	**0.00029**	J	0.00021	0.0010	1	11/03/2015 06:54
Heptachlor epoxide	ND		0.00020	0.0010	1	11/03/2015 06:54
Hexachlorobenzene	ND		0.00027	0.010	1	11/03/2015 06:54
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/03/2015 06:54
Methoxychlor	ND		0.00089	0.0010	1	11/03/2015 06:54
Toxaphene	ND		0.035	0.050	1	11/03/2015 06:54

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	78	70-130	11/03/2015 06:54

Analyst(s): CK

(Cont.)

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-10B (1-1.5')	1510A30-006A	Soil	10/27/2015 10:15	GC22	112155

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/03/2015 09:10
a-BHC	ND		0.00010	0.0010	1	11/03/2015 09:10
b-BHC	ND		0.00025	0.0010	1	11/03/2015 09:10
d-BHC	ND		0.00037	0.0010	1	11/03/2015 09:10
g-BHC	ND		0.000097	0.0010	1	11/03/2015 09:10
Chlordane (Technical)	ND		0.016	0.025	1	11/03/2015 09:10
a-Chlordane	**0.0015**		0.00047	0.0010	1	11/03/2015 09:10
g-Chlordane	**0.0012**		0.00021	0.0010	1	11/03/2015 09:10
p,p-DDD	ND		0.00014	0.0010	1	11/03/2015 09:10
p,p-DDE	**0.0010**		0.00032	0.0010	1	11/03/2015 09:10
p,p-DDT	**0.0017**		0.00043	0.0010	1	11/03/2015 09:10
Dieldrin	ND		0.00033	0.0010	1	11/03/2015 09:10
Endosulfan I	ND		0.00065	0.0010	1	11/03/2015 09:10
Endosulfan II	ND		0.00020	0.0010	1	11/03/2015 09:10
Endosulfan sulfate	ND		0.00063	0.0010	1	11/03/2015 09:10
Endrin	ND		0.00042	0.0010	1	11/03/2015 09:10
Endrin aldehyde	ND		0.00020	0.0010	1	11/03/2015 09:10
Endrin ketone	ND		0.00013	0.0010	1	11/03/2015 09:10
Heptachlor	ND		0.00021	0.0010	1	11/03/2015 09:10
Heptachlor epoxide	**0.00023**	J	0.00020	0.0010	1	11/03/2015 09:10
Hexachlorobenzene	ND		0.00027	0.010	1	11/03/2015 09:10
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/03/2015 09:10
Methoxychlor	ND		0.00089	0.0010	1	11/03/2015 09:10
Toxaphene	ND		0.035	0.050	1	11/03/2015 09:10

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	82	70-130	11/03/2015 09:10

Analyst(s): CK

(Cont.)

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-10C (SURF)	1510A30-007A	Soil	10/27/2015 09:47	GC23	112155

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/02/2015 22:12
a-BHC	ND		0.00010	0.0010	1	11/02/2015 22:12
b-BHC	ND		0.00025	0.0010	1	11/02/2015 22:12
d-BHC	ND		0.00037	0.0010	1	11/02/2015 22:12
g-BHC	ND		0.000097	0.0010	1	11/02/2015 22:12
Chlordane (Technical)	**1.7**		0.16	0.25	10	11/04/2015 12:56
a-Chlordane	**0.18**		0.00047	0.0010	1	11/02/2015 22:12
g-Chlordane	**0.13**		0.00021	0.0010	1	11/02/2015 22:12
p,p-DDD	ND		0.00014	0.0010	1	11/02/2015 22:12
p,p-DDE	**0.0053**		0.00032	0.0010	1	11/02/2015 22:12
p,p-DDT	**0.0058**		0.00043	0.0010	1	11/02/2015 22:12
Dieldrin	ND		0.00033	0.0010	1	11/02/2015 22:12
Endosulfan I	ND		0.00065	0.0010	1	11/02/2015 22:12
Endosulfan II	ND		0.00020	0.0010	1	11/02/2015 22:12
Endosulfan sulfate	ND		0.00063	0.0010	1	11/02/2015 22:12
Endrin	**0.0021**		0.00042	0.0010	1	11/02/2015 22:12
Endrin aldehyde	ND		0.00020	0.0010	1	11/02/2015 22:12
Endrin ketone	ND		0.00013	0.0010	1	11/02/2015 22:12
Heptachlor	**0.00076**	J	0.00021	0.0010	1	11/02/2015 22:12
Heptachlor epoxide	**0.019**		0.00020	0.0010	1	11/02/2015 22:12
Hexachlorobenzene	ND		0.00027	0.010	1	11/02/2015 22:12
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/02/2015 22:12
Methoxychlor	ND		0.00089	0.0010	1	11/02/2015 22:12
Toxaphene	ND		0.035	0.050	1	11/02/2015 22:12

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	83	70-130	11/02/2015 22:12

Analyst(s): SS

(Cont.)

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-10C (1-1.5')	1510A30-008A	Soil	10/27/2015 09:48	GC23	112155

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.00027	0.0010	1	10/31/2015 21:39
a-BHC	ND	0.00010	0.0010	1	10/31/2015 21:39
b-BHC	ND	0.00025	0.0010	1	10/31/2015 21:39
d-BHC	ND	0.00037	0.0010	1	10/31/2015 21:39
g-BHC	ND	0.000097	0.0010	1	10/31/2015 21:39
Chlordane (Technical)	**0.41**	0.080	0.12	5	11/04/2015 04:12
a-Chlordane	**0.042**	0.00047	0.0010	1	10/31/2015 21:39
g-Chlordane	**0.032**	0.00021	0.0010	1	10/31/2015 21:39
p,p-DDD	**0.0028**	0.00014	0.0010	1	10/31/2015 21:39
p,p-DDE	**0.0061**	0.00032	0.0010	1	10/31/2015 21:39
p,p-DDT	**0.0043**	0.00043	0.0010	1	10/31/2015 21:39
Dieldrin	ND	0.00033	0.0010	1	10/31/2015 21:39
Endosulfan I	ND	0.00065	0.0010	1	10/31/2015 21:39
Endosulfan II	ND	0.00020	0.0010	1	10/31/2015 21:39
Endosulfan sulfate	ND	0.00063	0.0010	1	10/31/2015 21:39
Endrin	ND	0.00042	0.0010	1	10/31/2015 21:39
Endrin aldehyde	ND	0.00020	0.0010	1	10/31/2015 21:39
Endrin ketone	ND	0.00013	0.0010	1	10/31/2015 21:39
Heptachlor	ND	0.00021	0.0010	1	10/31/2015 21:39
Heptachlor epoxide	**0.0048**	0.00020	0.0010	1	10/31/2015 21:39
Hexachlorobenzene	ND	0.00027	0.010	1	10/31/2015 21:39
Hexachlorocyclopentadiene	ND	0.00040	0.020	1	10/31/2015 21:39
Methoxychlor	ND	0.00089	0.0010	1	10/31/2015 21:39
Toxaphene	ND	0.035	0.050	1	10/31/2015 21:39

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	84	70-130	10/31/2015 21:39

Analyst(s): SS

(Cont.)

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-10D (1-1.5')	1510A30-010A	Soil	10/27/2015 09:53	GC22	112155

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/03/2015 19:32
a-BHC	ND		0.00010	0.0010	1	11/03/2015 19:32
b-BHC	ND		0.00025	0.0010	1	11/03/2015 19:32
d-BHC	ND		0.00037	0.0010	1	11/03/2015 19:32
g-BHC	ND		0.000097	0.0010	1	11/03/2015 19:32
Chlordane (Technical)	**0.031**		0.016	0.025	1	11/03/2015 19:32
a-Chlordane	**0.0037**		0.00047	0.0010	1	11/03/2015 19:32
g-Chlordane	**0.0031**		0.00021	0.0010	1	11/03/2015 19:32
p,p-DDD	**0.00033**	J	0.00014	0.0010	1	11/03/2015 19:32
p,p-DDE	**0.0027**		0.00032	0.0010	1	11/03/2015 19:32
p,p-DDT	**0.0074**		0.00043	0.0010	1	11/03/2015 19:32
Dieldrin	ND		0.00033	0.0010	1	11/03/2015 19:32
Endosulfan I	ND		0.00065	0.0010	1	11/03/2015 19:32
Endosulfan II	ND		0.00020	0.0010	1	11/03/2015 19:32
Endosulfan sulfate	ND		0.00063	0.0010	1	11/03/2015 19:32
Endrin	ND		0.00042	0.0010	1	11/03/2015 19:32
Endrin aldehyde	ND		0.00020	0.0010	1	11/03/2015 19:32
Endrin ketone	ND		0.00013	0.0010	1	11/03/2015 19:32
Heptachlor	ND		0.00021	0.0010	1	11/03/2015 19:32
Heptachlor epoxide	**0.00028**	J	0.00020	0.0010	1	11/03/2015 19:32
Hexachlorobenzene	ND		0.00027	0.010	1	11/03/2015 19:32
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/03/2015 19:32
Methoxychlor	ND		0.00089	0.0010	1	11/03/2015 19:32
Toxaphene	ND		0.035	0.050	1	11/03/2015 19:32

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	85	70-130	11/03/2015 19:32

Analyst(s): CK

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-11A (SURF)	1510A30-011A	Soil	10/27/2015 09:34	GC23	112155

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	10/31/2015 22:17
a-BHC	ND		0.00010	0.0010	1	10/31/2015 22:17
b-BHC	ND		0.00025	0.0010	1	10/31/2015 22:17
d-BHC	ND		0.00037	0.0010	1	10/31/2015 22:17
g-BHC	ND		0.000097	0.0010	1	10/31/2015 22:17
Chlordane (Technical)	**0.10**		0.016	0.025	1	10/31/2015 22:17
a-Chlordane	**0.014**		0.00047	0.0010	1	10/31/2015 22:17
g-Chlordane	**0.012**		0.00021	0.0010	1	10/31/2015 22:17
p,p-DDD	**0.0018**		0.00014	0.0010	1	10/31/2015 22:17
p,p-DDE	**0.012**		0.00032	0.0010	1	10/31/2015 22:17
p,p-DDT	**0.027**		0.00043	0.0010	1	10/31/2015 22:17
Dieldrin	**0.00076**	J	0.00033	0.0010	1	10/31/2015 22:17
Endosulfan I	ND		0.00065	0.0010	1	10/31/2015 22:17
Endosulfan II	ND		0.00020	0.0010	1	10/31/2015 22:17
Endosulfan sulfate	ND		0.00063	0.0010	1	10/31/2015 22:17
Endrin	ND		0.00042	0.0010	1	10/31/2015 22:17
Endrin aldehyde	ND		0.00020	0.0010	1	10/31/2015 22:17
Endrin ketone	ND		0.00013	0.0010	1	10/31/2015 22:17
Heptachlor	ND		0.00021	0.0010	1	10/31/2015 22:17
Heptachlor epoxide	**0.0012**		0.00020	0.0010	1	10/31/2015 22:17
Hexachlorobenzene	ND		0.00027	0.010	1	10/31/2015 22:17
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	10/31/2015 22:17
Methoxychlor	ND		0.00089	0.0010	1	10/31/2015 22:17
Toxaphene	ND		0.035	0.050	1	10/31/2015 22:17

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	81	70-130	10/31/2015 22:17

Analyst(s): SS

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-11A (1-1.5')	1510A30-012A	Soil	10/27/2015 09:37	GC23	112155

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.00027	0.0010	1	10/31/2015 17:54
a-BHC	ND	0.00010	0.0010	1	10/31/2015 17:54
b-BHC	ND	0.00025	0.0010	1	10/31/2015 17:54
d-BHC	ND	0.00037	0.0010	1	10/31/2015 17:54
g-BHC	ND	0.000097	0.0010	1	10/31/2015 17:54
Chlordane (Technical)	**0.083**	0.016	0.025	1	10/31/2015 17:54
a-Chlordane	**0.012**	0.00047	0.0010	1	10/31/2015 17:54
g-Chlordane	**0.011**	0.00021	0.0010	1	10/31/2015 17:54
p,p-DDD	**0.0021**	0.00014	0.0010	1	10/31/2015 17:54
p,p-DDE	**0.0069**	0.00032	0.0010	1	10/31/2015 17:54
p,p-DDT	**0.014**	0.00043	0.0010	1	10/31/2015 17:54
Dieldrin	ND	0.00033	0.0010	1	10/31/2015 17:54
Endosulfan I	ND	0.00065	0.0010	1	10/31/2015 17:54
Endosulfan II	ND	0.00020	0.0010	1	10/31/2015 17:54
Endosulfan sulfate	ND	0.00063	0.0010	1	10/31/2015 17:54
Endrin	ND	0.00042	0.0010	1	10/31/2015 17:54
Endrin aldehyde	ND	0.00020	0.0010	1	10/31/2015 17:54
Endrin ketone	ND	0.00013	0.0010	1	10/31/2015 17:54
Heptachlor	ND	0.00021	0.0010	1	10/31/2015 17:54
Heptachlor epoxide	ND	0.00020	0.0010	1	10/31/2015 17:54
Hexachlorobenzene	ND	0.00027	0.010	1	10/31/2015 17:54
Hexachlorocyclopentadiene	ND	0.00040	0.020	1	10/31/2015 17:54
Methoxychlor	ND	0.00089	0.0010	1	10/31/2015 17:54
Toxaphene	ND	0.035	0.050	1	10/31/2015 17:54

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	92	70-130	10/31/2015 17:54

Analyst(s): SS

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-11B (SURF)	1510A30-013A	Soil	10/27/2015 09:23	GC23	112155

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.00027	0.0010	1	10/31/2015 09:43
a-BHC	ND	0.00010	0.0010	1	10/31/2015 09:43
b-BHC	ND	0.00025	0.0010	1	10/31/2015 09:43
d-BHC	ND	0.00037	0.0010	1	10/31/2015 09:43
g-BHC	ND	0.000097	0.0010	1	10/31/2015 09:43
Chlordane (Technical)	**0.65**	0.080	0.12	5	11/04/2015 04:50
a-Chlordane	**0.067**	0.00047	0.0010	1	10/31/2015 09:43
g-Chlordane	**0.049**	0.00021	0.0010	1	10/31/2015 09:43
p,p-DDD	**0.0043**	0.00014	0.0010	1	10/31/2015 09:43
p,p-DDE	**0.026**	0.00032	0.0010	1	10/31/2015 09:43
p,p-DDT	**0.055**	0.00043	0.0010	1	10/31/2015 09:43
Dieldrin	ND	0.00033	0.0010	1	10/31/2015 09:43
Endosulfan I	ND	0.00065	0.0010	1	10/31/2015 09:43
Endosulfan II	ND	0.00020	0.0010	1	10/31/2015 09:43
Endosulfan sulfate	ND	0.00063	0.0010	1	10/31/2015 09:43
Endrin	ND	0.00042	0.0010	1	10/31/2015 09:43
Endrin aldehyde	ND	0.00020	0.0010	1	10/31/2015 09:43
Endrin ketone	ND	0.00013	0.0010	1	10/31/2015 09:43
Heptachlor	ND	0.00021	0.0010	1	10/31/2015 09:43
Heptachlor epoxide	**0.0047**	0.00020	0.0010	1	10/31/2015 09:43
Hexachlorobenzene	ND	0.00027	0.010	1	10/31/2015 09:43
Hexachlorocyclopentadiene	ND	0.00040	0.020	1	10/31/2015 09:43
Methoxychlor	ND	0.00089	0.0010	1	10/31/2015 09:43
Toxaphene	ND	0.035	0.050	1	10/31/2015 09:43

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	82	70-130	10/31/2015 09:43

Analyst(s): SS

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-11B (SURF) DUP	1510A30-013B	Soil	10/27/2015 09:23	GC23	112155

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	10/31/2015 21:02
a-BHC	ND		0.00010	0.0010	1	10/31/2015 21:02
b-BHC	ND		0.00025	0.0010	1	10/31/2015 21:02
d-BHC	ND		0.00037	0.0010	1	10/31/2015 21:02
g-BHC	ND		0.000097	0.0010	1	10/31/2015 21:02
Chlordane (Technical)	**0.47**		0.080	0.12	5	11/03/2015 09:24
a-Chlordane	**0.058**		0.00047	0.0010	1	10/31/2015 21:02
g-Chlordane	**0.042**		0.00021	0.0010	1	10/31/2015 21:02
p,p-DDD	**0.0044**		0.00014	0.0010	1	10/31/2015 21:02
p,p-DDE	**0.021**		0.00032	0.0010	1	10/31/2015 21:02
p,p-DDT	**0.044**		0.00043	0.0010	1	10/31/2015 21:02
Dieldrin	**0.0017**		0.00033	0.0010	1	10/31/2015 21:02
Endosulfan I	ND		0.00065	0.0010	1	10/31/2015 21:02
Endosulfan II	ND		0.00020	0.0010	1	10/31/2015 21:02
Endosulfan sulfate	ND		0.00063	0.0010	1	10/31/2015 21:02
Endrin	ND		0.00042	0.0010	1	10/31/2015 21:02
Endrin aldehyde	ND		0.00020	0.0010	1	10/31/2015 21:02
Endrin ketone	ND		0.00013	0.0010	1	10/31/2015 21:02
Heptachlor	**0.00071**	J	0.00021	0.0010	1	10/31/2015 21:02
Heptachlor epoxide	**0.0038**		0.00020	0.0010	1	10/31/2015 21:02
Hexachlorobenzene	ND		0.00027	0.010	1	10/31/2015 21:02
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	10/31/2015 21:02
Methoxychlor	ND		0.00089	0.0010	1	10/31/2015 21:02
Toxaphene	ND		0.035	0.050	1	10/31/2015 21:02

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	82	70-130	10/31/2015 21:02

Analyst(s): SS

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-11B (1-1.5')	1510A30-014A	Soil	10/27/2015 09:26	GC22	112169

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/03/2015 02:24
a-BHC	ND		0.00010	0.0010	1	11/03/2015 02:24
b-BHC	ND		0.00025	0.0010	1	11/03/2015 02:24
d-BHC	ND		0.00037	0.0010	1	11/03/2015 02:24
g-BHC	ND		0.000097	0.0010	1	11/03/2015 02:24
Chlordane (Technical)	**0.058**		0.016	0.025	1	11/03/2015 02:24
a-Chlordane	**0.0090**		0.00047	0.0010	1	11/03/2015 02:24
g-Chlordane	**0.0048**		0.00021	0.0010	1	11/03/2015 02:24
p,p-DDD	ND		0.00014	0.0010	1	11/03/2015 02:24
p,p-DDE	**0.0038**		0.00032	0.0010	1	11/03/2015 02:24
p,p-DDT	**0.0098**		0.00043	0.0010	1	11/03/2015 02:24
Dieldrin	ND		0.00033	0.0010	1	11/03/2015 02:24
Endosulfan I	ND		0.00065	0.0010	1	11/03/2015 02:24
Endosulfan II	ND		0.00020	0.0010	1	11/03/2015 02:24
Endosulfan sulfate	ND		0.00063	0.0010	1	11/03/2015 02:24
Endrin	ND		0.00042	0.0010	1	11/03/2015 02:24
Endrin aldehyde	ND		0.00020	0.0010	1	11/03/2015 02:24
Endrin ketone	ND		0.00013	0.0010	1	11/03/2015 02:24
Heptachlor	**0.00032**	J	0.00021	0.0010	1	11/03/2015 02:24
Heptachlor epoxide	**0.00055**	J	0.00020	0.0010	1	11/03/2015 02:24
Hexachlorobenzene	ND		0.00027	0.010	1	11/03/2015 02:24
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/03/2015 02:24
Methoxychlor	ND		0.00089	0.0010	1	11/03/2015 02:24
Toxaphene	ND		0.035	0.050	1	11/03/2015 02:24

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	78	70-130	11/03/2015 02:24

Analyst(s): CK

(Cont.)

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-15A (SURF)	1510A30-015A	Soil	10/27/2015 09:35	GC23	112169

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.00027	0.0010	1	10/31/2015 20:24
a-BHC	ND	0.00010	0.0010	1	10/31/2015 20:24
b-BHC	ND	0.00025	0.0010	1	10/31/2015 20:24
d-BHC	ND	0.00037	0.0010	1	10/31/2015 20:24
g-BHC	ND	0.000097	0.0010	1	10/31/2015 20:24
Chlordane (Technical)	**0.19**	0.016	0.025	1	10/31/2015 20:24
a-Chlordane	**0.035**	0.00047	0.0010	1	10/31/2015 20:24
g-Chlordane	**0.016**	0.00021	0.0010	1	10/31/2015 20:24
p,p-DDD	**0.0064**	0.00014	0.0010	1	10/31/2015 20:24
p,p-DDE	**0.15**	0.00032	0.0010	1	10/31/2015 20:24
p,p-DDT	**0.055**	0.00043	0.0010	1	10/31/2015 20:24
Dieldrin	ND	0.00033	0.0010	1	10/31/2015 20:24
Endosulfan I	ND	0.00065	0.0010	1	10/31/2015 20:24
Endosulfan II	ND	0.00020	0.0010	1	10/31/2015 20:24
Endosulfan sulfate	ND	0.00063	0.0010	1	10/31/2015 20:24
Endrin	ND	0.00042	0.0010	1	10/31/2015 20:24
Endrin aldehyde	ND	0.00020	0.0010	1	10/31/2015 20:24
Endrin ketone	ND	0.00013	0.0010	1	10/31/2015 20:24
Heptachlor	ND	0.00021	0.0010	1	10/31/2015 20:24
Heptachlor epoxide	**0.0024**	0.00020	0.0010	1	10/31/2015 20:24
Hexachlorobenzene	ND	0.00027	0.010	1	10/31/2015 20:24
Hexachlorocyclopentadiene	ND	0.00040	0.020	1	10/31/2015 20:24
Methoxychlor	ND	0.00089	0.0010	1	10/31/2015 20:24
Toxaphene	ND	0.035	0.050	1	10/31/2015 20:24

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	88	70-130	10/31/2015 20:24

Analyst(s): SS

(Cont.)

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-15A (1-1.5')	1510A30-016A	Soil	10/27/2015 09:38	GC23	112169

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/02/2015 21:34
a-BHC	ND		0.00010	0.0010	1	11/02/2015 21:34
b-BHC	ND		0.00025	0.0010	1	11/02/2015 21:34
d-BHC	ND		0.00037	0.0010	1	11/02/2015 21:34
g-BHC	ND		0.000097	0.0010	1	11/02/2015 21:34
Chlordane (Technical)	ND		0.016	0.025	1	11/02/2015 21:34
a-Chlordane	**0.0012**		0.00047	0.0010	1	11/02/2015 21:34
g-Chlordane	**0.00068**	J	0.00021	0.0010	1	11/02/2015 21:34
p,p-DDD	**0.0017**		0.00014	0.0010	1	11/02/2015 21:34
p,p-DDE	**0.0092**		0.00032	0.0010	1	11/02/2015 21:34
p,p-DDT	**0.0071**		0.00043	0.0010	1	11/02/2015 21:34
Dieldrin	ND		0.00033	0.0010	1	11/02/2015 21:34
Endosulfan I	ND		0.00065	0.0010	1	11/02/2015 21:34
Endosulfan II	ND		0.00020	0.0010	1	11/02/2015 21:34
Endosulfan sulfate	ND		0.00063	0.0010	1	11/02/2015 21:34
Endrin	ND		0.00042	0.0010	1	11/02/2015 21:34
Endrin aldehyde	ND		0.00020	0.0010	1	11/02/2015 21:34
Endrin ketone	ND		0.00013	0.0010	1	11/02/2015 21:34
Heptachlor	**0.00034**	J	0.00021	0.0010	1	11/02/2015 21:34
Heptachlor epoxide	ND		0.00020	0.0010	1	11/02/2015 21:34
Hexachlorobenzene	ND		0.00027	0.010	1	11/02/2015 21:34
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/02/2015 21:34
Methoxychlor	ND		0.00089	0.0010	1	11/02/2015 21:34
Toxaphene	ND		0.035	0.050	1	11/02/2015 21:34

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	83	70-130	11/02/2015 21:34

Analyst(s): SS

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-15A (1-1.5') DUP	1510A30-016B	Soil	10/27/2015 09:38	GC22	112169

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/03/2015 09:44
a-BHC	ND		0.00010	0.0010	1	11/03/2015 09:44
b-BHC	ND		0.00025	0.0010	1	11/03/2015 09:44
d-BHC	ND		0.00037	0.0010	1	11/03/2015 09:44
g-BHC	ND		0.000097	0.0010	1	11/03/2015 09:44
Chlordane (Technical)	ND		0.016	0.025	1	11/03/2015 09:44
a-Chlordane	**0.00090**	J	0.00047	0.0010	1	11/03/2015 09:44
g-Chlordane	**0.00053**	J	0.00021	0.0010	1	11/03/2015 09:44
p,p-DDD	**0.00099**	J	0.00014	0.0010	1	11/03/2015 09:44
p,p-DDE	**0.0062**		0.00032	0.0010	1	11/03/2015 09:44
p,p-DDT	**0.0065**		0.00043	0.0010	1	11/03/2015 09:44
Dieldrin	ND		0.00033	0.0010	1	11/03/2015 09:44
Endosulfan I	ND		0.00065	0.0010	1	11/03/2015 09:44
Endosulfan II	ND		0.00020	0.0010	1	11/03/2015 09:44
Endosulfan sulfate	ND		0.00063	0.0010	1	11/03/2015 09:44
Endrin	ND		0.00042	0.0010	1	11/03/2015 09:44
Endrin aldehyde	ND		0.00020	0.0010	1	11/03/2015 09:44
Endrin ketone	ND		0.00013	0.0010	1	11/03/2015 09:44
Heptachlor	ND		0.00021	0.0010	1	11/03/2015 09:44
Heptachlor epoxide	ND		0.00020	0.0010	1	11/03/2015 09:44
Hexachlorobenzene	ND		0.00027	0.010	1	11/03/2015 09:44
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/03/2015 09:44
Methoxychlor	ND		0.00089	0.0010	1	11/03/2015 09:44
Toxaphene	ND		0.035	0.050	1	11/03/2015 09:44

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	79	70-130	11/03/2015 09:44

Analyst(s): CK

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6A (1-1.5')	1510A30-018A	Soil	10/27/2015 10:08	GC23	112169

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	10/31/2015 19:47
a-BHC	ND		0.00010	0.0010	1	10/31/2015 19:47
b-BHC	ND		0.00025	0.0010	1	10/31/2015 19:47
d-BHC	ND		0.00037	0.0010	1	10/31/2015 19:47
g-BHC	ND		0.000097	0.0010	1	10/31/2015 19:47
Chlordane (Technical)	ND		0.016	0.025	1	10/31/2015 19:47
a-Chlordane	**0.00073**	J	0.00047	0.0010	1	10/31/2015 19:47
g-Chlordane	**0.00061**	J	0.00021	0.0010	1	10/31/2015 19:47
p,p-DDD	**0.00053**	J	0.00014	0.0010	1	10/31/2015 19:47
p,p-DDE	**0.0069**		0.00032	0.0010	1	10/31/2015 19:47
p,p-DDT	**0.0046**		0.00043	0.0010	1	10/31/2015 19:47
Dieldrin	ND		0.00033	0.0010	1	10/31/2015 19:47
Endosulfan I	ND		0.00065	0.0010	1	10/31/2015 19:47
Endosulfan II	ND		0.00020	0.0010	1	10/31/2015 19:47
Endosulfan sulfate	ND		0.00063	0.0010	1	10/31/2015 19:47
Endrin	ND		0.00042	0.0010	1	10/31/2015 19:47
Endrin aldehyde	ND		0.00020	0.0010	1	10/31/2015 19:47
Endrin ketone	ND		0.00013	0.0010	1	10/31/2015 19:47
Heptachlor	ND		0.00021	0.0010	1	10/31/2015 19:47
Heptachlor epoxide	ND		0.00020	0.0010	1	10/31/2015 19:47
Hexachlorobenzene	ND		0.00027	0.010	1	10/31/2015 19:47
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	10/31/2015 19:47
Methoxychlor	ND		0.00089	0.0010	1	10/31/2015 19:47
Toxaphene	ND		0.035	0.050	1	10/31/2015 19:47

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	80	70-130	10/31/2015 19:47

Analyst(s): SS

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6B (1-1.5')	1510A30-021A	Soil	10/27/2015 10:33	GC22	112169

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/03/2015 04:05
a-BHC	ND		0.00010	0.0010	1	11/03/2015 04:05
b-BHC	ND		0.00025	0.0010	1	11/03/2015 04:05
d-BHC	ND		0.00037	0.0010	1	11/03/2015 04:05
g-BHC	ND		0.000097	0.0010	1	11/03/2015 04:05
Chlordane (Technical)	ND		0.016	0.025	1	11/03/2015 04:05
a-Chlordane	ND		0.00047	0.0010	1	11/03/2015 04:05
g-Chlordane	ND		0.00021	0.0010	1	11/03/2015 04:05
p,p-DDD	ND		0.00014	0.0010	1	11/03/2015 04:05
p,p-DDE	**0.00098**	J	0.00032	0.0010	1	11/03/2015 04:05
p,p-DDT	**0.0014**		0.00043	0.0010	1	11/03/2015 04:05
Dieldrin	ND		0.00033	0.0010	1	11/03/2015 04:05
Endosulfan I	ND		0.00065	0.0010	1	11/03/2015 04:05
Endosulfan II	ND		0.00020	0.0010	1	11/03/2015 04:05
Endosulfan sulfate	ND		0.00063	0.0010	1	11/03/2015 04:05
Endrin	ND		0.00042	0.0010	1	11/03/2015 04:05
Endrin aldehyde	ND		0.00020	0.0010	1	11/03/2015 04:05
Endrin ketone	ND		0.00013	0.0010	1	11/03/2015 04:05
Heptachlor	ND		0.00021	0.0010	1	11/03/2015 04:05
Heptachlor epoxide	ND		0.00020	0.0010	1	11/03/2015 04:05
Hexachlorobenzene	ND		0.00027	0.010	1	11/03/2015 04:05
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/03/2015 04:05
Methoxychlor	ND		0.00089	0.0010	1	11/03/2015 04:05
Toxaphene	ND		0.035	0.050	1	11/03/2015 04:05

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	79	70-130	11/03/2015 04:05

Analyst(s): CK

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6C (1-1.5')	1510A30-024A	Soil	10/27/2015 10:42	GC23	112169

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.00027	0.0010	1	10/31/2015 19:09
a-BHC	ND	0.00010	0.0010	1	10/31/2015 19:09
b-BHC	ND	0.00025	0.0010	1	10/31/2015 19:09
d-BHC	ND	0.00037	0.0010	1	10/31/2015 19:09
g-BHC	ND	0.000097	0.0010	1	10/31/2015 19:09
Chlordane (Technical)	ND	0.016	0.025	1	10/31/2015 19:09
a-Chlordane	ND	0.00047	0.0010	1	10/31/2015 19:09
g-Chlordane	ND	0.00021	0.0010	1	10/31/2015 19:09
p,p-DDD	ND	0.00014	0.0010	1	10/31/2015 19:09
p,p-DDE	**0.0050**	0.00032	0.0010	1	10/31/2015 19:09
p,p-DDT	**0.0021**	0.00043	0.0010	1	10/31/2015 19:09
Dieldrin	ND	0.00033	0.0010	1	10/31/2015 19:09
Endosulfan I	ND	0.00065	0.0010	1	10/31/2015 19:09
Endosulfan II	ND	0.00020	0.0010	1	10/31/2015 19:09
Endosulfan sulfate	ND	0.00063	0.0010	1	10/31/2015 19:09
Endrin	ND	0.00042	0.0010	1	10/31/2015 19:09
Endrin aldehyde	ND	0.00020	0.0010	1	10/31/2015 19:09
Endrin ketone	ND	0.00013	0.0010	1	10/31/2015 19:09
Heptachlor	ND	0.00021	0.0010	1	10/31/2015 19:09
Heptachlor epoxide	ND	0.00020	0.0010	1	10/31/2015 19:09
Hexachlorobenzene	ND	0.00027	0.010	1	10/31/2015 19:09
Hexachlorocyclopentadiene	ND	0.00040	0.020	1	10/31/2015 19:09
Methoxychlor	ND	0.00089	0.0010	1	10/31/2015 19:09
Toxaphene	ND	0.035	0.050	1	10/31/2015 19:09

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	80	70-130	10/31/2015 19:09

Analyst(s): SS

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6D (1-1.5')	1510A30-027A	Soil	10/27/2015 10:46	GC22	112169

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.00027	0.0010	1	11/02/2015 19:38
a-BHC	ND	0.00010	0.0010	1	11/02/2015 19:38
b-BHC	ND	0.00025	0.0010	1	11/02/2015 19:38
d-BHC	ND	0.00037	0.0010	1	11/02/2015 19:38
g-BHC	ND	0.000097	0.0010	1	11/02/2015 19:38
Chlordane (Technical)	ND	0.016	0.025	1	11/02/2015 19:38
a-Chlordane	ND	0.00047	0.0010	1	11/02/2015 19:38
g-Chlordane	ND	0.00021	0.0010	1	11/02/2015 19:38
p,p-DDD	ND	0.00014	0.0010	1	11/02/2015 19:38
p,p-DDE	**0.0042**	0.00032	0.0010	1	11/02/2015 19:38
p,p-DDT	**0.0013**	0.00043	0.0010	1	11/02/2015 19:38
Dieldrin	ND	0.00033	0.0010	1	11/02/2015 19:38
Endosulfan I	ND	0.00065	0.0010	1	11/02/2015 19:38
Endosulfan II	ND	0.00020	0.0010	1	11/02/2015 19:38
Endosulfan sulfate	ND	0.00063	0.0010	1	11/02/2015 19:38
Endrin	ND	0.00042	0.0010	1	11/02/2015 19:38
Endrin aldehyde	ND	0.00020	0.0010	1	11/02/2015 19:38
Endrin ketone	ND	0.00013	0.0010	1	11/02/2015 19:38
Heptachlor	ND	0.00021	0.0010	1	11/02/2015 19:38
Heptachlor epoxide	ND	0.00020	0.0010	1	11/02/2015 19:38
Hexachlorobenzene	ND	0.00027	0.010	1	11/02/2015 19:38
Hexachlorocyclopentadiene	ND	0.00040	0.020	1	11/02/2015 19:38
Methoxychlor	ND	0.00089	0.0010	1	11/02/2015 19:38
Toxaphene	ND	0.035	0.050	1	11/02/2015 19:38

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	99	70-130	11/02/2015 19:38

Analyst(s): CK

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6E (SURF)	1510A30-029A	Soil	10/27/2015 10:19	GC23	112169

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	10/31/2015 18:32
a-BHC	ND		0.00010	0.0010	1	10/31/2015 18:32
b-BHC	ND		0.00025	0.0010	1	10/31/2015 18:32
d-BHC	ND		0.00037	0.0010	1	10/31/2015 18:32
g-BHC	ND		0.000097	0.0010	1	10/31/2015 18:32
Chlordane (Technical)	**0.044**		0.016	0.025	1	10/31/2015 18:32
a-Chlordane	**0.0053**		0.00047	0.0010	1	10/31/2015 18:32
g-Chlordane	**0.0027**		0.00021	0.0010	1	10/31/2015 18:32
p,p-DDD	**0.0025**		0.00014	0.0010	1	10/31/2015 18:32
p,p-DDE	**0.021**		0.00032	0.0010	1	10/31/2015 18:32
p,p-DDT	**0.020**		0.00043	0.0010	1	10/31/2015 18:32
Dieldrin	**0.00054**	J	0.00033	0.0010	1	10/31/2015 18:32
Endosulfan I	ND		0.00065	0.0010	1	10/31/2015 18:32
Endosulfan II	ND		0.00020	0.0010	1	10/31/2015 18:32
Endosulfan sulfate	ND		0.00063	0.0010	1	10/31/2015 18:32
Endrin	ND		0.00042	0.0010	1	10/31/2015 18:32
Endrin aldehyde	ND		0.00020	0.0010	1	10/31/2015 18:32
Endrin ketone	ND		0.00013	0.0010	1	10/31/2015 18:32
Heptachlor	ND		0.00021	0.0010	1	10/31/2015 18:32
Heptachlor epoxide	**0.0010**		0.00020	0.0010	1	10/31/2015 18:32
Hexachlorobenzene	ND		0.00027	0.010	1	10/31/2015 18:32
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	10/31/2015 18:32
Methoxychlor	ND		0.00089	0.0010	1	10/31/2015 18:32
Toxaphene	ND		0.035	0.050	1	10/31/2015 18:32

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	84	70-130	10/31/2015 18:32

Analyst(s): SS

(Cont.)

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6E (1-1.5')	1510A30-030A	Soil	10/27/2015 10:22	GC22	112169

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/03/2015 08:36
a-BHC	ND		0.00010	0.0010	1	11/03/2015 08:36
b-BHC	ND		0.00025	0.0010	1	11/03/2015 08:36
d-BHC	ND		0.00037	0.0010	1	11/03/2015 08:36
g-BHC	ND		0.000097	0.0010	1	11/03/2015 08:36
Chlordane (Technical)	ND		0.016	0.025	1	11/03/2015 08:36
a-Chlordane	ND		0.00047	0.0010	1	11/03/2015 08:36
g-Chlordane	ND		0.00021	0.0010	1	11/03/2015 08:36
p,p-DDD	ND		0.00014	0.0010	1	11/03/2015 08:36
p,p-DDE	**0.00045**	J	0.00032	0.0010	1	11/03/2015 08:36
p,p-DDT	ND		0.00043	0.0010	1	11/03/2015 08:36
Dieldrin	ND		0.00033	0.0010	1	11/03/2015 08:36
Endosulfan I	ND		0.00065	0.0010	1	11/03/2015 08:36
Endosulfan II	ND		0.00020	0.0010	1	11/03/2015 08:36
Endosulfan sulfate	ND		0.00063	0.0010	1	11/03/2015 08:36
Endrin	ND		0.00042	0.0010	1	11/03/2015 08:36
Endrin aldehyde	ND		0.00020	0.0010	1	11/03/2015 08:36
Endrin ketone	ND		0.00013	0.0010	1	11/03/2015 08:36
Heptachlor	**0.00026**	J	0.00021	0.0010	1	11/03/2015 08:36
Heptachlor epoxide	ND		0.00020	0.0010	1	11/03/2015 08:36
Hexachlorobenzene	ND		0.00027	0.010	1	11/03/2015 08:36
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/03/2015 08:36
Methoxychlor	ND		0.00089	0.0010	1	11/03/2015 08:36
Toxaphene	ND		0.035	0.050	1	11/03/2015 08:36

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	76	70-130	11/03/2015 08:36

Analyst(s): CK

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B/3620B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List) w/ Florisil Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-10B (SURF)	1510A30-005A	Soil	10/27/2015 10:12	GC23	112155

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	10/31/2015 11:36
a-BHC	ND		0.00010	0.0010	1	10/31/2015 11:36
b-BHC	ND		0.00025	0.0010	1	10/31/2015 11:36
d-BHC	ND		0.00037	0.0010	1	10/31/2015 11:36
g-BHC	ND		0.000097	0.0010	1	10/31/2015 11:36
Chlordane (Technical)	**0.50**		0.080	0.12	5	11/04/2015 12:19
a-Chlordane	**0.054**		0.00047	0.0010	1	10/31/2015 11:36
g-Chlordane	**0.044**		0.00021	0.0010	1	10/31/2015 11:36
p,p-DDD	**0.0016**		0.00014	0.0010	1	10/31/2015 11:36
p,p-DDE	**0.0078**		0.00032	0.0010	1	10/31/2015 11:36
p,p-DDT	**0.0085**		0.00043	0.0010	1	10/31/2015 11:36
Dieldrin	ND		0.00033	0.0010	1	10/31/2015 11:36
Endosulfan I	ND		0.00065	0.0010	1	10/31/2015 11:36
Endosulfan II	ND		0.00020	0.0010	1	10/31/2015 11:36
Endosulfan sulfate	ND		0.00063	0.0010	1	10/31/2015 11:36
Endrin	ND		0.00097	0.0010	1	10/31/2015 11:36
Endrin aldehyde	ND		0.00020	0.0010	1	10/31/2015 11:36
Endrin ketone	ND		0.00013	0.0010	1	10/31/2015 11:36
Heptachlor	**0.00094**	J	0.00021	0.0010	1	10/31/2015 11:36
Heptachlor epoxide	**0.0052**		0.00020	0.0010	1	10/31/2015 11:36
Hexachlorobenzene	ND		0.00027	0.010	1	10/31/2015 11:36
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	10/31/2015 11:36
Methoxychlor	ND		0.00089	0.0010	1	10/31/2015 11:36
Toxaphene	ND		0.035	0.050	1	10/31/2015 11:36

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	87	70-130	10/31/2015 11:36

Analyst(s): SS

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B/3620B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List) w/ Florisil Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-10D (SURF)	1510A30-009A	Soil	10/27/2015 09:49	GC23	112155

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.00027	0.0010	1	10/31/2015 12:13
a-BHC	ND	0.00010	0.0010	1	10/31/2015 12:13
b-BHC	ND	0.00025	0.0010	1	10/31/2015 12:13
d-BHC	ND	0.00037	0.0010	1	10/31/2015 12:13
g-BHC	ND	0.000097	0.0010	1	10/31/2015 12:13
Chlordane (Technical)	**4.8**	0.80	1.2	50	11/04/2015 09:10
a-Chlordane	**0.49**	0.024	0.050	50	11/04/2015 09:10
g-Chlordane	**0.41**	0.010	0.050	50	11/04/2015 09:10
p,p-DDD	ND	0.00014	0.0010	1	10/31/2015 12:13
p,p-DDE	**0.028**	0.00032	0.0010	1	10/31/2015 12:13
p,p-DDT	**0.081**	0.00043	0.0010	1	10/31/2015 12:13
Dieldrin	ND	0.00033	0.0010	1	10/31/2015 12:13
Endosulfan I	ND	0.00065	0.0010	1	10/31/2015 12:13
Endosulfan II	ND	0.00020	0.0010	1	10/31/2015 12:13
Endosulfan sulfate	ND	0.00063	0.0010	1	10/31/2015 12:13
Endrin	ND	0.00097	0.0010	1	10/31/2015 12:13
Endrin aldehyde	ND	0.00020	0.0010	1	10/31/2015 12:13
Endrin ketone	ND	0.00013	0.0010	1	10/31/2015 12:13
Heptachlor	**0.0054**	0.00021	0.0010	1	10/31/2015 12:13
Heptachlor epoxide	**0.030**	0.00020	0.0010	1	10/31/2015 12:13
Hexachlorobenzene	ND	0.00027	0.010	1	10/31/2015 12:13
Hexachlorocyclopentadiene	ND	0.00040	0.020	1	10/31/2015 12:13
Methoxychlor	ND	0.00089	0.0010	1	10/31/2015 12:13
Toxaphene	ND	0.035	0.050	1	10/31/2015 12:13

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	91	70-130	10/31/2015 12:13

Analyst(s): CK, SS

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B/3620B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List) w/ Florisil Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6A (SURF)	1510A30-017A	Soil	10/27/2015 10:06	GC23	112169

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/04/2015 02:58
a-BHC	ND		0.00010	0.0010	1	11/04/2015 02:58
b-BHC	ND		0.00025	0.0010	1	11/04/2015 02:58
d-BHC	ND		0.00037	0.0010	1	11/04/2015 02:58
g-BHC	ND		0.000097	0.0010	1	11/04/2015 02:58
Chlordane (Technical)	ND		0.016	0.025	1	11/04/2015 02:58
a-Chlordane	ND		0.00047	0.0010	1	11/04/2015 02:58
g-Chlordane	ND		0.00021	0.0010	1	11/04/2015 02:58
p,p-DDD	**0.00054**	J	0.00014	0.0010	1	11/04/2015 02:58
p,p-DDE	**0.012**		0.00032	0.0010	1	11/04/2015 02:58
p,p-DDT	**0.0065**		0.00043	0.0010	1	11/04/2015 02:58
Dieldrin	**0.00042**	J	0.00033	0.0010	1	11/04/2015 02:58
Endosulfan I	ND		0.00065	0.0010	1	11/04/2015 02:58
Endosulfan II	ND		0.00020	0.0010	1	11/04/2015 02:58
Endosulfan sulfate	ND		0.00063	0.0010	1	11/04/2015 02:58
Endrin	ND		0.00097	0.0010	1	11/04/2015 02:58
Endrin aldehyde	ND		0.00020	0.0010	1	11/04/2015 02:58
Endrin ketone	ND		0.00013	0.0010	1	11/04/2015 02:58
Heptachlor	**0.00065**	J	0.00021	0.0010	1	11/04/2015 02:58
Heptachlor epoxide	ND		0.00020	0.0010	1	11/04/2015 02:58
Hexachlorobenzene	ND		0.00027	0.010	1	11/04/2015 02:58
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/04/2015 02:58
Methoxychlor	ND		0.00089	0.0010	1	11/04/2015 02:58
Toxaphene	ND		0.035	0.050	1	11/04/2015 02:58

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	84	70-130	11/04/2015 02:58

Analyst(s): SS

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B/3620B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List) w/ Florisil Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6B (SURF)	1510A30-020A	Soil	10/27/2015 10:29	GC23	112206

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00054	0.0020	2	10/31/2015 07:14
a-BHC	ND		0.00020	0.0020	2	10/31/2015 07:14
b-BHC	ND		0.00050	0.0020	2	10/31/2015 07:14
d-BHC	ND		0.00074	0.0020	2	10/31/2015 07:14
g-BHC	ND		0.00019	0.0020	2	10/31/2015 07:14
Chlordane (Technical)	ND		0.032	0.050	2	10/31/2015 07:14
a-Chlordane	**0.0019**	J	0.00094	0.0020	2	10/31/2015 07:14
g-Chlordane	**0.0015**	J	0.00042	0.0020	2	10/31/2015 07:14
p,p-DDD	**0.0012**	J	0.00028	0.0020	2	10/31/2015 07:14
p,p-DDE	**0.025**		0.00064	0.0020	2	10/31/2015 07:14
p,p-DDT	**0.015**		0.00086	0.0020	2	10/31/2015 07:14
Dieldrin	**0.0015**	J	0.00066	0.0020	2	10/31/2015 07:14
Endosulfan I	ND		0.0013	0.0020	2	10/31/2015 07:14
Endosulfan II	ND		0.00040	0.0020	2	10/31/2015 07:14
Endosulfan sulfate	ND		0.0013	0.0020	2	10/31/2015 07:14
Endrin	ND		0.0019	0.0020	2	10/31/2015 07:14
Endrin aldehyde	ND		0.00040	0.0020	2	10/31/2015 07:14
Endrin ketone	ND		0.00026	0.0020	2	10/31/2015 07:14
Heptachlor	ND		0.00042	0.0020	2	10/31/2015 07:14
Heptachlor epoxide	ND		0.00040	0.0020	2	10/31/2015 07:14
Hexachlorobenzene	ND		0.00054	0.020	2	10/31/2015 07:14
Hexachlorocyclopentadiene	ND		0.00080	0.040	2	10/31/2015 07:14
Methoxychlor	ND		0.0018	0.0020	2	10/31/2015 07:14
Toxaphene	**0.41**		0.070	0.10	2	10/31/2015 07:14

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	83	70-130	10/31/2015 07:14

Analyst(s): SS

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B/3620B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List) w/ Florisil Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6C (SURF)	1510A30-023A	Soil	10/27/2015 10:40	GC23	112206

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	10/31/2015 08:28
a-BHC	ND		0.00010	0.0010	1	10/31/2015 08:28
b-BHC	ND		0.00025	0.0010	1	10/31/2015 08:28
d-BHC	ND		0.00037	0.0010	1	10/31/2015 08:28
g-BHC	ND		0.000097	0.0010	1	10/31/2015 08:28
Chlordane (Technical)	ND		0.016	0.025	1	10/31/2015 08:28
a-Chlordane	**0.0019**		0.00047	0.0010	1	10/31/2015 08:28
g-Chlordane	**0.0017**		0.00021	0.0010	1	10/31/2015 08:28
p,p-DDD	**0.0012**		0.00014	0.0010	1	10/31/2015 08:28
p,p-DDE	**0.017**		0.00032	0.0010	1	10/31/2015 08:28
p,p-DDT	**0.016**		0.00043	0.0010	1	10/31/2015 08:28
Dieldrin	**0.00085**	J	0.00033	0.0010	1	10/31/2015 08:28
Endosulfan I	ND		0.00065	0.0010	1	10/31/2015 08:28
Endosulfan II	ND		0.00020	0.0010	1	10/31/2015 08:28
Endosulfan sulfate	ND		0.00063	0.0010	1	10/31/2015 08:28
Endrin	ND		0.00097	0.0010	1	10/31/2015 08:28
Endrin aldehyde	ND		0.00020	0.0010	1	10/31/2015 08:28
Endrin ketone	ND		0.00013	0.0010	1	10/31/2015 08:28
Heptachlor	ND		0.00021	0.0010	1	10/31/2015 08:28
Heptachlor epoxide	**0.00035**	J	0.00020	0.0010	1	10/31/2015 08:28
Hexachlorobenzene	ND		0.00027	0.010	1	10/31/2015 08:28
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	10/31/2015 08:28
Methoxychlor	ND		0.00089	0.0010	1	10/31/2015 08:28
Toxaphene	ND		0.035	0.050	1	10/31/2015 08:28

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	83	70-130	10/31/2015 08:28

Analyst(s): SS

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3550B/3620B
Date Prepared:	10/28/15	**Analytical Method:**	SW8081A
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/kg

Organochlorine Pesticides (Basic Target List) w/ Florisil Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SS-6D (SURF)	1510A30-026A	Soil	10/27/2015 10:41	GC23	112206

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	10/31/2015 09:06
a-BHC	ND		0.00010	0.0010	1	10/31/2015 09:06
b-BHC	ND		0.00025	0.0010	1	10/31/2015 09:06
d-BHC	ND		0.00037	0.0010	1	10/31/2015 09:06
g-BHC	ND		0.000097	0.0010	1	10/31/2015 09:06
Chlordane (Technical)	**0.037**		0.016	0.025	1	10/31/2015 09:06
a-Chlordane	**0.0035**		0.00047	0.0010	1	10/31/2015 09:06
g-Chlordane	**0.0033**		0.00021	0.0010	1	10/31/2015 09:06
p,p-DDD	**0.00087**	J	0.00014	0.0010	1	10/31/2015 09:06
p,p-DDE	**0.011**		0.00032	0.0010	1	10/31/2015 09:06
p,p-DDT	**0.014**		0.00043	0.0010	1	10/31/2015 09:06
Dieldrin	ND		0.00033	0.0010	1	10/31/2015 09:06
Endosulfan I	ND		0.00065	0.0010	1	10/31/2015 09:06
Endosulfan II	ND		0.00020	0.0010	1	10/31/2015 09:06
Endosulfan sulfate	ND		0.00063	0.0010	1	10/31/2015 09:06
Endrin	ND		0.00097	0.0010	1	10/31/2015 09:06
Endrin aldehyde	ND		0.00020	0.0010	1	10/31/2015 09:06
Endrin ketone	ND		0.00013	0.0010	1	10/31/2015 09:06
Heptachlor	ND		0.00021	0.0010	1	10/31/2015 09:06
Heptachlor epoxide	**0.00039**	J	0.00020	0.0010	1	10/31/2015 09:06
Hexachlorobenzene	ND		0.00027	0.010	1	10/31/2015 09:06
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	10/31/2015 09:06
Methoxychlor	ND		0.00089	0.0010	1	10/31/2015 09:06
Toxaphene	ND		0.035	0.050	1	10/31/2015 09:06

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	83	70-130	10/31/2015 09:06

Analyst(s): SS

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3050B
Date Prepared:	10/28/15-11/4/15	**Analytical Method:**	SW6020
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-15A (SURF)	1510A30-015A	Soil	10/27/2015 09:35	ICP-MS2	112158

Analytes	Result	RL	DF	Date Analyzed
Lead	**31**	0.50	1	10/30/2015 17:49

Surrogates	REC (%)	Limits	
Terbium	110	70-130	10/30/2015 17:49

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-13A (SURF)	1510A30-047A	Soil	10/27/2015 09:00	ICP-MS2	112158

Analytes	Result	RL	DF	Date Analyzed
Lead	**68**	0.50	1	10/30/2015 17:55

Surrogates	REC (%)	Limits	
Terbium	105	70-130	10/30/2015 17:55

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-13B (SURF)	1510A30-048A	Soil	10/27/2015 09:05	ICP-MS2	112158

Analytes	Result	RL	DF	Date Analyzed
Lead	**62**	0.50	1	10/30/2015 18:01

Surrogates	REC (%)	Limits	
Terbium	103	70-130	10/30/2015 18:01

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-17A (SURF)	1510A30-049A	Soil	10/27/2015 08:55	ICP-MS2	112437

Analytes	Result	RL	DF	Date Analyzed
Lead	**73**	0.50	1	11/05/2015 14:44

Surrogates	REC (%)	Limits	
Terbium	111	70-130	11/05/2015 14:44

Analyst(s): AC

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3050B
Date Prepared:	10/28/15-11/4/15	**Analytical Method:**	SW6020
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-17A (SURF) DUP	1510A30-049B	Soil	10/27/2015 08:55	ICP-MS2	112158

Analytes	Result	RL	DF	Date Analyzed
Lead	**60**	0.50	1	10/30/2015 18:13

Surrogates	REC (%)	Limits	
Terbium	102	70-130	10/30/2015 18:13

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-28A (SURF)	1510A30-050A	Soil	10/27/2015 08:50	ICP-MS1	112164

Analytes	Result	RL	DF	Date Analyzed
Lead	**65**	0.50	1	10/30/2015 13:59

Surrogates	REC (%)	Limits	
Terbium	105	70-130	10/30/2015 13:59

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-29 (SURF)	1510A30-051A	Soil	10/27/2015 09:10	ICP-MS2	112164

Analytes	Result	RL	DF	Date Analyzed
Lead	**39**	0.50	1	10/30/2015 18:19

Surrogates	REC (%)	Limits	
Terbium	100	70-130	10/30/2015 18:19

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-29A (SURF)	1510A30-052A	Soil	10/27/2015 09:14	ICP-MS2	112164

Analytes	Result	RL	DF	Date Analyzed
Lead	**36**	0.50	1	10/30/2015 18:25

Surrogates	REC (%)	Limits	
Terbium	102	70-130	10/30/2015 18:25

Analyst(s): DVH

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Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	SW3050B
Date Prepared:	10/28/15-11/4/15	**Analytical Method:**	SW6020
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-30 (SURF)	1510A30-053A	Soil	10/27/2015 09:17	ICP-MS2	112164

Analytes	Result	RL	DF	Date Analyzed
Lead	**65**	0.50	1	10/30/2015 18:43

Surrogates	REC (%)	Limits	
Terbium	88	70-130	10/30/2015 18:43

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-31 (SURF)	1510A30-054A	Soil	10/27/2015 09:21	ICP-MS2	112164

Analytes	Result	RL	DF	Date Analyzed
Lead	**41**	0.50	1	10/30/2015 18:49

Surrogates	REC (%)	Limits	
Terbium	105	70-130	10/30/2015 18:49

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-32 (SURF)	1510A30-055A	Soil	10/27/2015 09:24	ICP-MS2	112164

Analytes	Result	RL	DF	Date Analyzed
Lead	**42**	0.50	1	10/30/2015 18:55

Surrogates	REC (%)	Limits	
Terbium	100	70-130	10/30/2015 18:55

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
P-33 (SURF)	1510A30-056A	Soil	10/27/2015 09:28	ICP-MS2	112164

Analytes	Result	RL	DF	Date Analyzed
Lead	**49**	0.50	1	10/30/2015 19:01

Surrogates	REC (%)	Limits	
Terbium	102	70-130	10/30/2015 19:01

Analyst(s): DVH

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Received:	10/28/15 18:33	**Extraction Method:**	E200.8
Date Prepared:	10/28/15	**Analytical Method:**	E200.8
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Unit:**	µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
FB #1	1510A30-057A	Water	10/27/2015 12:00	ICP-MS1	112159

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	10/29/2015 10:28

Surrogates	REC (%)	Limits	
Terbium	103	70-130	10/29/2015 10:28

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EB #1	1510A30-058A	Water	10/27/2015 12:05	ICP-MS1	112159

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	10/30/2015 01:43

Surrogates	REC (%)	Limits	
Terbium	111	70-130	10/30/2015 01:43

Analyst(s): DVH

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Quality Control Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Prepared:	10/28/15	**BatchID:**	112155
Date Analyzed:	10/28/15	**Extraction Method:**	SW3550B
Instrument:	GC22	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Sample ID:**	MB/LCS-112155 1510A22-001AMS/MSD

QC Summary Report for SW8081A

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aldrin	ND	0.0472	0.00027	0.0010	0.050	-	94	70-130
a-BHC	ND	-	0.00010	0.0010	-	-	-	-
b-BHC	ND	-	0.00025	0.0010	-	-	-	-
d-BHC	ND	-	0.00037	0.0010	-	-	-	-
g-BHC	ND	0.0517	0.000097	0.0010	0.050	-	103	70-130
Chlordane (Technical)	ND	-	0.016	0.025	-	-	-	-
a-Chlordane	ND	-	0.00047	0.0010	-	-	-	-
g-Chlordane	ND	-	0.00021	0.0010	-	-	-	-
p,p-DDD	ND	-	0.00014	0.0010	-	-	-	-
p,p-DDE	ND	-	0.00032	0.0010	-	-	-	-
p,p-DDT	ND	0.0505	0.00043	0.0010	0.050	-	101	70-130
Dieldrin	ND	0.0546	0.00033	0.0010	0.050	-	109	70-130
Endosulfan I	ND	-	0.00065	0.0010	-	-	-	-
Endosulfan II	ND	-	0.00020	0.0010	-	-	-	-
Endosulfan sulfate	ND	-	0.00063	0.0010	-	-	-	-
Endrin	ND	0.0475	0.00042	0.0010	0.050	-	95	70-130
Endrin aldehyde	ND	-	0.00020	0.0010	-	-	-	-
Endrin ketone	ND	-	0.00013	0.0010	-	-	-	-
Heptachlor	ND	0.0533	0.00021	0.0010	0.050	-	107	70-130
Heptachlor epoxide	ND	-	0.00020	0.0010	-	-	-	-
Hexachlorobenzene	ND	-	0.00027	0.010	-	-	-	-
Hexachlorocyclopentadiene	ND	-	0.00040	0.020	-	-	-	-
Methoxychlor	ND	-	0.00089	0.0010	-	-	-	-
Toxaphene	ND	-	0.035	0.050	-	-	-	-
Surrogate Recovery								
Decachlorobiphenyl	0.0436	0.0440			0.050	87	88	70-130

(Cont.)

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Quality Control Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Prepared:	10/28/15	**BatchID:**	112155
Date Analyzed:	10/28/15	**Extraction Method:**	SW3550B
Instrument:	GC22	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Sample ID:**	MB/LCS-112155 1510A22-001AMS/MSD

QC Summary Report for SW8081A

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Aldrin	0.0483	0.0480	0.050	ND	97	96	70-130	0.619	30
g-BHC	0.0520	0.0517	0.050	ND	104	103	70-130	0.628	30
p,p-DDT	0.0516	0.0517	0.050	ND	103	103	70-130	0	30
Dieldrin	0.0559	0.0563	0.050	ND	112	113	70-130	0.636	30
Endrin	0.0532	0.0532	0.050	ND	106	106	70-130	0	30
Heptachlor	0.0538	0.0535	0.050	ND	108	107	70-130	0.596	30
Surrogate Recovery									
Decachlorobiphenyl	0.0449	0.0446	0.050		90	89	70-130	0.521	30

(Cont.)

CDPH ELAP 1644 ♦ NELAP 4033ORELAP

QA/QC Officer

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Quality Control Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Prepared:	10/28/15	**BatchID:**	112169
Date Analyzed:	11/2/15	**Extraction Method:**	SW3550B
Instrument:	GC22	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Sample ID:**	MB/LCS-112169 1510A30-014AMS/MSD

QC Summary Report for SW8081A

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aldrin	ND	0.0453	0.00027	0.0010	0.050	-	91	70-130
a-BHC	ND	-	0.00010	0.0010	-	-	-	-
b-BHC	ND	-	0.00025	0.0010	-	-	-	-
d-BHC	ND	-	0.00037	0.0010	-	-	-	-
g-BHC	ND	0.0504	0.000097	0.0010	0.050	-	101	70-130
Chlordane (Technical)	ND	-	0.016	0.025	-	-	-	-
a-Chlordane	ND	-	0.00047	0.0010	-	-	-	-
g-Chlordane	ND	-	0.00021	0.0010	-	-	-	-
p,p-DDD	ND	-	0.00014	0.0010	-	-	-	-
p,p-DDE	ND	-	0.00032	0.0010	-	-	-	-
p,p-DDT	ND	0.0478	0.00043	0.0010	0.050	-	96	70-130
Dieldrin	ND	0.0513	0.00033	0.0010	0.050	-	103	70-130
Endosulfan I	ND	-	0.00065	0.0010	-	-	-	-
Endosulfan II	ND	-	0.00020	0.0010	-	-	-	-
Endosulfan sulfate	ND	-	0.00063	0.0010	-	-	-	-
Endrin	ND	0.0462	0.00042	0.0010	0.050	-	92	70-130
Endrin aldehyde	ND	-	0.00020	0.0010	-	-	-	-
Endrin ketone	ND	-	0.00013	0.0010	-	-	-	-
Heptachlor	ND	0.0517	0.00021	0.0010	0.050	-	103	70-130
Heptachlor epoxide	ND	-	0.00020	0.0010	-	-	-	-
Hexachlorobenzene	ND	-	0.00027	0.010	-	-	-	-
Hexachlorocyclopentadiene	ND	-	0.00040	0.020	-	-	-	-
Methoxychlor	ND	-	0.00089	0.0010	-	-	-	-
Toxaphene	ND	-	0.035	0.050	-	-	-	-
Surrogate Recovery								
Decachlorobiphenyl	0.0415	0.0418			0.050	83	84	70-130

(Cont.)

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Quality Control Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Prepared:	10/28/15	**BatchID:**	112169
Date Analyzed:	11/2/15	**Extraction Method:**	SW3550B
Instrument:	GC22	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Sample ID:**	MB/LCS-112169 1510A30-014AMS/MSD

QC Summary Report for SW8081A

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Aldrin	0.0467	0.0464	0.050	ND	93	93	70-130	0	30
g-BHC	0.0521	0.0522	0.050	ND	104	104	70-130	0	30
p,p-DDT	0.0589	0.0584	0.050	0.009770	98	97	70-130	0.931	30
Dieldrin	0.0523	0.0518	0.050	ND	105	104	70-130	0.860	30
Endrin	0.0484	0.0482	0.050	ND	97	96	70-130	0.352	30
Heptachlor	0.0534	0.0540	0.050	ND	106	107	70-130	1.11	30
Surrogate Recovery									
Decachlorobiphenyl	0.0393	0.0386	0.050		79	77	70-130	1.75	30

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Quality Control Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Prepared:	10/28/15	**BatchID:**	112206
Date Analyzed:	10/31/15	**Extraction Method:**	SW3550B/3620B
Instrument:	GC23	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Sample ID:**	MB/LCS-112206

QC Summary Report for SW8081A w/ Florisil Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aldrin	ND	0.0454	0.0010	0.050	-	91	70-130
a-BHC	ND	-	0.0010	-	-	-	-
b-BHC	ND	-	0.0010	-	-	-	-
d-BHC	ND	-	0.0010	-	-	-	-
g-BHC	ND	0.0476	0.0010	0.050	-	95	70-130
Chlordane (Technical)	ND	-	0.025	-	-	-	-
a-Chlordane	ND	-	0.0010	-	-	-	-
g-Chlordane	ND	-	0.0010	-	-	-	-
p,p-DDD	ND	-	0.0010	-	-	-	-
p,p-DDE	ND	-	0.0010	-	-	-	-
p,p-DDT	ND	0.0523	0.0010	0.050	-	105	70-130
Dieldrin	ND	0.0556	0.0010	0.050	-	111	70-130
Endosulfan I	ND	-	0.0010	-	-	-	-
Endosulfan II	ND	-	0.0010	-	-	-	-
Endosulfan sulfate	ND	-	0.0010	-	-	-	-
Endrin	ND	0.0509	0.0010	0.050	-	102	70-130
Endrin aldehyde	ND	-	0.0010	-	-	-	-
Endrin ketone	ND	-	0.0010	-	-	-	-
Heptachlor	ND	0.0507	0.0010	0.050	-	101	70-130
Heptachlor epoxide	ND	-	0.0010	-	-	-	-
Hexachlorobenzene	ND	-	0.010	-	-	-	-
Hexachlorocyclopentadiene	ND	-	0.020	-	-	-	-
Methoxychlor	ND	-	0.0010	-	-	-	-
Toxaphene	ND	-	0.050	-	-	-	-
Surrogate Recovery							
Decachlorobiphenyl	0.0435	0.0460		0.050	87	92	70-130

(Cont.)

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Quality Control Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Prepared:	10/28/15	**BatchID:**	112158
Date Analyzed:	10/29/15	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Sample ID:**	MB/LCS-112158 1510A27-007AMS/MSD 1510A27-007APDS

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	51.0	0.50	50	-	102	75-125
Surrogate Recovery							
Terbium	508	537		500	102	107	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	78.6	68.7	50	19.52	118	98	75-125	13.3	20
Surrogate Recovery									
Terbium	561	577	500		112	115	70-130	2.81	20

(Cont.)

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Quality Control Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Prepared:	10/28/15	**BatchID:**	112164
Date Analyzed:	10/30/15	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Sample ID:**	MB/LCS-112164 1510A30-050AMS/MSD 1510A30-050APDS

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	50.6	0.50	50	-	101	75-125
Surrogate Recovery							
Terbium	539	541		500	108	108	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	136	82.4	50	65	142,F8	34,F8	75-125	49.1,F8	20
Surrogate Recovery									
Terbium	522	379	500		104	76	70-130	31.6,F8	20

Analyte	PDS Result	SPK Val	SPKRef Val	PDS %REC	PDS Limits
Lead	116	50	65	102	80-120

(Cont.)

CDPH ELAP 1644 ♦ NELAP 4033ORELAP

QA/QC Officer

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Quality Control Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Prepared:	11/4/15	**BatchID:**	112437
Date Analyzed:	11/5/15	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Sample ID:**	MB/LCS-112437 1511184-035AMS/MSD 1511184-035APDS

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	50.6	0.50	50	-	101	75-125
Surrogate Recovery							
Terbium	583	495		500	117	99	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	66.5	60.0	50	23.13	87	74,F8	75-125	10.3	20
Surrogate Recovery									
Terbium	488	498	500		98	100	70-130	1.99	20

Analyte	PDS Result	SPK Val	SPKRef Val	PDS %REC	PDS Limits
Lead	72.3	50	23.13	98	80-120

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Quality Control Report

Client:	Padre Associates. Inc.	**WorkOrder:**	1510A30
Date Prepared:	10/28/15	**BatchID:**	112159
Date Analyzed:	10/29/15	**Extraction Method:**	E200.8
Instrument:	ICP-MS1	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	1401-2172; Cupertino (Sedgwick SSI)	**Sample ID:**	MB/LCS-112159 1510A30-057AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	52.1	0.50	50	-	104	85-115
Surrogate Recovery							
Terbium	782	797		750	104	106	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	52.2	51.2	50	ND	104	102	70-130	1.86	20
Surrogate Recovery									
Terbium	806	778	750		107	104	70-130	3.50	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1510A30 **ClientCode: PAIS**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Alan J. Klein
Padre Associates. Inc.
555 University Ave., Suite 110
Sacramento, CA 95825
(916) 333-5920 FAX: (916) 333-5921

Email: aklein@padreinc.com
cc/3rd Party:
PO:
ProjectNo: 1401-2172; Cupertino (Sedgwick SSI)

Bill to:
Accounts Payable
Padre Associates. Inc.
1861 Knoll Drive
Ventura, CA 93003
ap@padreinc.com

Requested TAT: **5 days;**

Date Received: **10/28/2015**
Date Printed: **11/02/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1510A30-001	P-4A (2-2.5')	Soil	10/27/2015 9:00	☐	A											
1510A30-003	P-10A (SURF)	Soil	10/27/2015 10:00	☐	A											
1510A30-004	P-10A (1-1.5')	Soil	10/27/2015 10:03	☐	A											
1510A30-005	P-10B (SURF)	Soil	10/27/2015 10:12	☐	A	A										
1510A30-006	P-10B (1-1.5')	Soil	10/27/2015 10:15	☐	A											
1510A30-007	P-10C (SURF)	Soil	10/27/2015 9:47	☐	A											
1510A30-008	P-10C (1-1.5')	Soil	10/27/2015 9:48	☐	A											
1510A30-009	P-10D (SURF)	Soil	10/27/2015 9:49	☐	A	A										
1510A30-010	P-10D (1-1.5')	Soil	10/27/2015 9:53	☐	A											
1510A30-011	P-11A (SURF)	Soil	10/27/2015 9:34	☐	A											
1510A30-012	P-11A (1-1.5')	Soil	10/27/2015 9:37	☐	A											
1510A30-013	P-11B (SURF)	Soil	10/27/2015 9:23	☐	A											
1510A30-013	P-11B (SURF) DUP	Soil	10/27/2015 9:23	☐	B											
1510A30-014	P-11B (1-1.5')	Soil	10/27/2015 9:26	☐	A											
1510A30-015	P-15A (SURF)	Soil	10/27/2015 9:35	☐	A		A									

Test Legend:

1	8081_ESL_S (J)	2	8081_FLORISIL_S	3	PBMS_TTLC_S	4	PBMS_TTLC_W
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments: ALWAYS SETUP 8081 and/or 8082 w/ ESL TESTCODES!!!! Give to Blake for review

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1510A30 **ClientCode: PAIS**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Alan J. Klein
Padre Associates. Inc.
555 University Ave., Suite 110
Sacramento, CA 95825
(916) 333-5920 FAX: (916) 333-5921

Email: aklein@padreinc.com
cc/3rd Party:
PO:
ProjectNo: 1401-2172; Cupertino (Sedgwick SSI)

Bill to:
Accounts Payable
Padre Associates. Inc.
1861 Knoll Drive
Ventura, CA 93003
ap@padreinc.com

Requested TAT: **5 days;**

Date Received: **10/28/2015**
Date Printed: **11/02/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1510A30-016	P-15A (1-1.5')	Soil	10/27/2015 9:38	☐	A											
1510A30-016	P-15A (1-1.5') DUP	Soil	10/27/2015 9:38	☐	B											
1510A30-017	SS-6A (SURF)	Soil	10/27/2015 10:06	☐	A	A										
1510A30-018	SS-6A (1-1.5')	Soil	10/27/2015 10:08	☐	A											
1510A30-020	SS-6B (SURF)	Soil	10/27/2015 10:29	☐	A	A										
1510A30-021	SS-6B (1-1.5')	Soil	10/27/2015 10:33	☐	A											
1510A30-023	SS-6C (SURF)	Soil	10/27/2015 10:40	☐	A	A										
1510A30-024	SS-6C (1-1.5')	Soil	10/27/2015 10:42	☐	A											
1510A30-026	SS-6D (SURF)	Soil	10/27/2015 10:41	☐	A	A										
1510A30-027	SS-6D (1-1.5')	Soil	10/27/2015 10:46	☐	A											
1510A30-029	SS-6E (SURF)	Soil	10/27/2015 10:19	☐	A											
1510A30-030	SS-6E (1-1.5')	Soil	10/27/2015 10:22	☐	A											
1510A30-047	P-13A (SURF)	Soil	10/27/2015 9:00	☐			A									
1510A30-048	P-13B (SURF)	Soil	10/27/2015 9:05	☐			A									
1510A30-049	P-17A (SURF)	Soil	10/27/2015 8:55	☐			A									

Test Legend:

1	8081_ESL_S (J)	2	8081_FLORISIL_S	3	PBMS_TTLC_S	4	PBMS_TTLC_W
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments: ALWAYS SETUP 8081 and/or 8082 w/ ESL TESTCODES!!!! Give to Blake for review

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1510A30 **ClientCode: PAIS**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Alan J. Klein
Padre Associates. Inc.
555 University Ave., Suite 110
Sacramento, CA 95825
(916) 333-5920 FAX: (916) 333-5921

Email: aklein@padreinc.com
cc/3rd Party:
PO:
ProjectNo: 1401-2172; Cupertino (Sedgwick SSI)

Bill to:
Accounts Payable
Padre Associates. Inc.
1861 Knoll Drive
Ventura, CA 93003
ap@padreinc.com

Requested TAT: **5 days;**

Date Received: **10/28/2015**
Date Printed: **11/02/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1510A30-049	P-17A (SURF) DUP	Soil	10/27/2015 8:55	☐			B									
1510A30-050	P-28A (SURF)	Soil	10/27/2015 8:50	☐			A									
1510A30-051	P-29 (SURF)	Soil	10/27/2015 9:10	☐			A									
1510A30-052	P-29A (SURF)	Soil	10/27/2015 9:14	☐			A									
1510A30-053	P-30 (SURF)	Soil	10/27/2015 9:17	☐			A									
1510A30-054	P-31 (SURF)	Soil	10/27/2015 9:21	☐			A									
1510A30-055	P-32 (SURF)	Soil	10/27/2015 9:24	☐			A									
1510A30-056	P-33 (SURF)	Soil	10/27/2015 9:28	☐			A									
1510A30-057	FB #1	Water	10/27/2015 12:00	☐				A								
1510A30-058	EB #1	Water	10/27/2015 12:05	☐				A								

Test Legend:

1	8081_ESL_S (J)	2	8081_FLORISIL_S	3	PBMS_TTLC_S	4	PBMS_TTLC_W
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments: ALWAYS SETUP 8081 and/or 8082 w/ ESL TESTCODES!!!! Give to Blake for review

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
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http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: PADRE ASSOCIATES. INC. **QC Level:** LEVEL 2 **Work Order:** 1510A30

Project: 1401-2172; Cupertino (Sedgwick SSI) **Client Contact:** Alan J. Klein **Date Received:** 10/28/2015

Comments: ALWAYS SETUP 8081 and/or 8082 w/ ESL TESTCODES!!!! Give to Blake for review **Contact's Email:** aklein@padreinc.com

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1510A30-001A	P-4A (2-2.5')	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:00	5 days		☐	
1510A30-002A	P-4A (3-3.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:10			☑	
1510A30-003A	P-10A (SURF)	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:00	5 days		☐	
1510A30-004A	P-10A (1-1.5')	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:03	5 days		☐	
1510A30-005A	P-10B (SURF)	Soil	SW8081A (OC Pesticides w/ Florisil Clean-Up)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:12	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☑	
1510A30-006A	P-10B (1-1.5')	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:15	5 days		☐	
1510A30-007A	P-10C (SURF)	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:47	5 days		☐	
1510A30-008A	P-10C (1-1.5')	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:48	5 days		☐	
1510A30-009A	P-10D (SURF)	Soil	SW8081A (OC Pesticides w/ Florisil Clean-Up)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:49	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☑	
1510A30-010A	P-10D (1-1.5')	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:53	5 days		☐	
1510A30-011A	P-11A (SURF)	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:34	5 days		☐	
1510A30-012A	P-11A (1-1.5')	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:37	5 days		☐	
1510A30-013A	P-11B (SURF)	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:23	5 days		☐	
1510A30-013B	P-11B (SURF) DUP	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:23	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: PADRE ASSOCIATES. INC. **QC Level:** LEVEL 2 **Work Order:** 1510A30

Project: 1401-2172; Cupertino (Sedgwick SSI) **Client Contact:** Alan J. Klein **Date Received:** 10/28/2015

Comments: ALWAYS SETUP 8081 and/or 8082 w/ ESL TESTCODES!!!! Give to Blake for review **Contact's Email:** aklein@padreinc.com

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1510A30-014A	P-11B (1-1.5')	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:26	5 days		☐	
1510A30-015A	P-15A (SURF)	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:35	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
1510A30-016A	P-15A (1-1.5')	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:38	5 days		☐	
1510A30-016B	P-15A (1-1.5') DUP	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:38	5 days		☐	
1510A30-017A	SS-6A (SURF)	Soil	SW8081A (OC Pesticides w/ Florisil Clean-Up)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:06	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☑	
1510A30-018A	SS-6A (1-1.5')	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:08	5 days		☐	
1510A30-019A	SS-6A (2-2.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:12			☑	
1510A30-020A	SS-6B (SURF)	Soil	SW8081A (OC Pesticides w/ Florisil Clean-Up)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:29	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☑	
1510A30-021A	SS-6B (1-1.5')	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:33	5 days		☐	
1510A30-022A	SS-6B (2-2.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:36			☑	
1510A30-023A	SS-6C (SURF)	Soil	SW8081A (OC Pesticides w/ Florisil Clean-Up)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:40	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☑	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: PADRE ASSOCIATES. INC. **QC Level:** LEVEL 2 **Work Order:** 1510A30

Project: 1401-2172; Cupertino (Sedgwick SSI) **Client Contact:** Alan J. Klein **Date Received:** 10/28/2015

Comments: ALWAYS SETUP 8081 and/or 8082 w/ ESL TESTCODES!!!! Give to Blake for review **Contact's Email:** aklein@padreinc.com

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1510A30-024A	SS-6C (1-1.5')	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:42	5 days		☐	
1510A30-025A	SS-6C (2-2.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:46			☑	
1510A30-026A	SS-6D (SURF)	Soil	SW8081A (OC Pesticides w/ Florisil Clean-Up)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:41	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☑	
1510A30-027A	SS-6D (1-1.5')	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:46	5 days		☐	
1510A30-028A	SS-6D (2-2.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:51			☑	
1510A30-029A	SS-6E (SURF)	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:19	5 days		☐	
1510A30-030A	SS-6E (1-1.5')	Soil	SW8081A (OC Pesticides)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:22	5 days		☐	
1510A30-031A	SS-6E (2-2.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:27			☑	
1510A30-032A	SS-6F (SURF)	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 11:04			☑	
1510A30-033A	SS-6F (1-1.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 11:07			☑	
1510A30-034A	SS-6F (2-2.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 11:11			☑	
1510A30-035A	SS-6G (SURF)	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 11:33			☑	
1510A30-036A	SS-6G (1-1.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 11:34			☑	
1510A30-037A	SS-6G (2-2.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 11:36			☑	
1510A30-038A	SS-6H (SURF)	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 11:10			☑	

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WORK ORDER SUMMARY

Client Name: PADRE ASSOCIATES. INC. **QC Level:** LEVEL 2 **Work Order:** 1510A30

Project: 1401-2172; Cupertino (Sedgwick SSI) **Client Contact:** Alan J. Klein **Date Received:** 10/28/2015

Comments: ALWAYS SETUP 8081 and/or 8082 w/ ESL TESTCODES!!!! Give to Blake for review **Contact's Email:** aklein@padreinc.com

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1510A30-039A	SS-6H (1-1.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 11:13			☑	
1510A30-040A	SS-6H (2-2.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 11:17			☑	
1510A30-041A	SS-6I (SURF)	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:55			☑	
1510A30-042A	SS-6I (1-1.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 10:59			☑	
1510A30-043A	SS-6I (2-2.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 11:01			☑	
1510A30-044A	SS-6J (SURF)	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 11:35			☑	
1510A30-045A	SS-6J (1-1.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 11:38			☑	
1510A30-046A	SS-6J (2-2.5')	Soil		1	Stainless Steel tube 2"x6"	☐	10/27/2015 11:44			☑	
1510A30-047A	P-13A (SURF)	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:00	5 days		☐	
1510A30-048A	P-13B (SURF)	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:05	5 days		☐	
1510A30-049A	P-17A (SURF)	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 8:55	5 days		☐	
1510A30-049B	P-17A (SURF) DUP	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 8:55	5 days		☐	
1510A30-050A	P-28A (SURF)	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 8:50	5 days		☐	
1510A30-051A	P-29 (SURF)	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:10	5 days		☐	
1510A30-052A	P-29A (SURF)	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:14	5 days		☐	
1510A30-053A	P-30 (SURF)	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:17	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: PADRE ASSOCIATES. INC.
QC Level: LEVEL 2
Work Order: 1510A30
Project: 1401-2172; Cupertino (Sedgwick SSI)
Client Contact: Alan J. Klein
Date Received: 10/28/2015
Comments: ALWAYS SETUP 8081 and/or 8082 w/ ESL TESTCODES!!!! Give to Blake for review
Contact's Email: aklein@padreinc.com

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1510A30-054A	P-31 (SURF)	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:21	5 days		☐	
1510A30-055A	P-32 (SURF)	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:24	5 days		☐	
1510A30-056A	P-33 (SURF)	Soil	SW6020 (Lead)	1	Stainless Steel tube 2"x6"	☐	10/27/2015 9:28	5 days		☐	
1510A30-057A	FB #1	Water	E200.8 (Lead)	1	250mL HDPE w/ HNO3	☐	10/27/2015 12:00	5 days	None	☐	
1510A30-058A	EB #1	Water	E200.8 (Lead)	1	250mL HDPE w/ HNO3	☐	10/27/2015 12:05	5 days	None	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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Telephone: (877) 252-9262 / Fax: (925) 252-9269

15/0A30

CHAIN OF CUSTODY RECORD 1 of 6

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒

GeoTracker EDF ☐ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ UST Clean Up Fund Project ☐ ; Claim #_____

Report To: ALAN KLEIN **Bill To:** SAME

Company: PADRE ASSOCIATES, INC.

555 UNIVERSITY DR., SUITE 110, SACRAMENTO, CA 95825

Tele: (916) 333-5920 EXT. 24 **E-Mail:** aklein@padreinc.com

Project #: 1401-2172 **Project Name:** CUPERTINO (SEDGWICK SSI)

Project Location: CUPERTINO, CA **Purchase Order#**

Sampler Signature:

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other
P-4A (2-2.5')		10/27/15	0900	1					X						X
P-4A (3-3.5')		10/27/15	0910	1					X						X
P-10A (SURF)		10/27/15	1000	1					X						X
P-10A (1-1.5')		10/27/15	1003	1					X						X
P-10B (SURF)		10/27/15	1012	1					X						X
P-10B (1-1.5')		10/27/15	1015	1					X						X
P-10C (SURF)		10/27/15	0947	1					X						X
P-10C (1-1.5')		10/27/15	0948	1					X						X
P-10D (SURF)		10/27/15	0949	1					X						X
P-10D (1-1.5')		10/27/15	0953	1					X						X
P-11A (SURF)		10/27/15	0934	1					X						X

Analysis Request

,	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)***	Lab to Filter sample for Dissolved metals analysis			HOLD		
				X													X		
				X															
				X															
				X															
				X															
				X															
				X															
				X															
				X															
				X															
				X															

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***** If metals are requested for water samples and the water type is not specified on the chain of custody, then MAI will default to metals by E200.8.**

Relinquished By:	Date:	Time:	Received By:
	10/28/15	1150	
Relinquished By:	Date:	Time:	Received By:
	10/28/15	1402	
Relinquished By:	Date:	Time:	Received By:

ICE/t° 5.6

GOOD CONDITION_____

HEAD SPACE ABSENT_____

DECHLORINATED IN LAB_____

APPROPRIATE CONTAINERS_____

PRESERVED IN LAB_____

COMMENTS:

VOAS O&G METALS OTHER HAZARDOUS:

PRESERVATION_____ pH<2_____

McCampbell Analytical, Inc.

1534 Willow Pass Rd. / Pittsburg, CA 94565-1701
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Telephone: (877) 252-9262 / Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD 2 of 6

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒

GeoTracker EDF ☐ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ **UST Clean Up Fund Project** ☐ **; Claim #**_____

Report To: ALAN KLEIN **Bill To:** SAME

Company: PADRE ASSOCIATES, INC.

555 UNIVERSITY DR., SUITE 110, SACRAMENTO, CA 95825

Tele: (916) 333-5920 EXT. 24 **E-Mail:** aklein@padreinc.com

Project #: 1401-2172 **Project Name:** CUPERTINO (SEDGWICK SSI)

Project Location: CUPERTINO, CA **Purchase Order#**

Sampler Signature:

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other
P-11A (1-1.5')		10/27/15	0937	1					X						X
P-11B (SURF)		10/27/15	0923	1					X						X
P-11B (1-1.5')		10/27/15	0926	1					X						X
P-15A (SURF)		10/27/15	0935	1					X						X
P-15A (1-1.5')		10/27/15	0938	1					X						X
SS-6A (SURF)		10/27/15	1006	1					X						X
SS-6A (1-1.5')		10/27/15	1008	1					X						X
SS-6A (2-2.5')		10/27/15	1012	1					X						X
SS-6B (SURF)		10/27/15	1029	1					X						X
SS-6B (1-1.5')		10/27/15	1033	1					X						X
SS-6B (2-2.5')		10/27/15	1036	1					X						X

Analysis Request

SAMPLE ID	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)*** LEAD	Lab to Filter sample for Dissolved metals analysis		SPLIT/RUN DUPLICATE	HOLD		
P-11A (1-1.5')				X															
P-11B (SURF)				X												X			
P-11B (1-1.5')				X															
P-15A (SURF)				X									X						
P-15A (1-1.5')				X												X			
SS-6A (SURF)				X															
SS-6A (1-1.5')				X															
SS-6A (2-2.5')																	X		
SS-6B (SURF)				X															
SS-6B (1-1.5')				X															
SS-6B (2-2.5')				X													X		

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*** If metals are requested for water samples and the water type is not specified on the chain of custody, then MAI will default to metals by E200.8.

Relinquished By:	Date:	Time:	Received By:
	10/28/15	9:50	
Relinquished By:	Date:	Time:	Received By:
	10/28/15	1400	
Relinquished By:	Date:	Time:	Received By:

ICE/t°_____ **COMMENTS:**

GOOD CONDITION_____

HEAD SPACE ABSENT_____

DECHLORINATED IN LAB_____

APPROPRIATE CONTAINERS_____

PRESERVED IN LAB_____

VOAS O&G METALS OTHER HAZARDOUS:

PRESERVATION_____ pH<2_____

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Telephone: (877) 252-9262 / Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD 3 of 6

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒

GeoTracker EDF ☐ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ **UST Clean Up Fund Project** ☐ ; **Claim #**_____

Report To: ALAN KLEIN **Bill To:** SAME

Company: PADRE ASSOCIATES, INC.

555 UNIVERSITY DR., SUITE 110, SACRAMENTO, CA 95825

Tele: (916) 333-5920 EXT. 24 **E-Mail:** aklein@padreinc.com

Project #: 1401-2172 **Project Name:** CUPERTINO (SEDGWICK SSI)

Project Location: CUPERTINO, CA **Purchase Order#**

Sampler Signature:

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other	Analysis Request: TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&E)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)***	Lab to Filter sample for Dissolved metals analysis			HOLD		
SS-6C (SURF)		10/27/15	1040	1					X						X				X														
SS-6C (1-1.5')		10/27/15	1042	1					X						X				X														
SS-6C (2-2.5')		10/27/15	1046	1					X						X																	X	
SS-6D (SURF)		10/27/15	1041	1					X						X				X														
SS-6D (1-1.5')		10/27/15	1046	1					X						X				X														
SS-6D (2-2.5')		10/27/15	1051	1					X						X																	X	
SS-6E (SURF)		10/27/15	1019	1					X						X				X														
SS-6E (1-1.5')		10/27/15	1022	1					X						X				X														
SS-6E (2-2.5')		10/27/15	1027	1					X						X																	X	
SS-6F (SURF)		10/27/15	1104	1					X						X																	X	
SS-6F (1-1.5')		10/27/15	1107	1					X						X																	X	

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*** If metals are requested for water samples and the water type is not specified on the chain of custody, then MAI will default to metals by E200.8.

Relinquished By:	Date:	Time:	Received By:
	10/28/15	1150	
Relinquished By:	Date:	Time:	Received By:
	10/29/15	1400	
Relinquished By:	Date:	Time:	Received By:

ICE/t°_____ COMMENTS:
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION_____ pH<2_____

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CHAIN OF CUSTODY RECORD 4 of 6

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒

GeoTracker EDF ☐ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ **UST Clean Up Fund Project** ☐ **; Claim #**_____

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Company: PADRE ASSOCIATES, INC.

555 UNIVERSITY DR., SUITE 110, SACRAMENTO, CA 95825

Tele: (916) 333-5920 EXT. 24 **E-Mail:** aklein@padreinc.com

Project #: 1401-2172 **Project Name:** CUPERTINO (SEDGWICK SSI)

Project Location: CUPERTINO, CA **Purchase Order#**

Sampler Signature:

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other
SS-6F (2-2.5')		10/27/15	1111	1					X						X
SS-6G (SURF)		10/27/15	1133	1					X						X
SS-6G (1-1.5')		10/27/15	1134	1					X						X
SS-6G (2-2.5')		10/27/15	1136	1					X						X
SS-6H (SURF)		10/27/15	1110	1					X						X
SS-6H (1-1.5')		10/27/15	1113	1					X						X
SS-6H (2-2.5')		10/27/15	1117	1					X						X
SS-6I (SURF)		10/27/15	1055	1					X						X
SS-6I (1-1.5')		10/27/15	1059	1					X						X
SS-6I (2-2.5')		10/27/15	1101	1					X						X
SS-6J (SURF)		10/27/15	1135	1					X						X

Analysis Request

,	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)***	Lab to Filter sample for Dissolved metals analysis			HOLD		
																	X		
																	X		
																	X		
																	X		
																	X		
																	X		
																	X		
																	X		
																	X		
																	X		
																	X		

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Relinquished By:	Date:	Time:	Received By:
	10/28/15	1150	
Relinquished By:	Date:	Time:	Received By:
	10/28/15	1400	
Relinquished By:	Date:	Time:	Received By:

ICE/t°_____ **COMMENTS:**

GOOD CONDITION_____

HEAD SPACE ABSENT_____

DECHLORINATED IN LAB_____

APPROPRIATE CONTAINERS_____

PRESERVED IN LAB_____

VOAS O&G METALS OTHER HAZARDOUS:

PRESERVATION_____ pH<2_____

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CHAIN OF CUSTODY RECORD 5 of 6

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒

GeoTracker EDF ☐ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ **UST Clean Up Fund Project** ☐ **; Claim #**_____

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Company: PADRE ASSOCIATES, INC.

555 UNIVERSITY DR., SUITE 110, SACRAMENTO, CA 95825

Tele: (916) 333-5920 EXT. 24 **E-Mail:** aklein@padreinc.com

Project #: 1401-2172 **Project Name:** CUPERTINO (SEDGWICK SSI)

Project Location: CUPERTINO, CA **Purchase Order#**

Sampler Signature:

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other
SS-6J (1-1.5')		10/27/15	1138	1					X						X
SS-6J (2-2.5')		10/27/15	1144	1					X						X
P-13A (SURF)		10/27/15	0900	1					X						X
P-13B (SURF)		10/27/15	0905	1					X						X
P-17A (SURF)		10/27/15	0855	1					X						X
P-28A (SURF)		10/27/15	0850	1					X						X
P-29 (SURF)		10/27/15	0910	1					X						X
P-29A (SURF)		10/27/15	0914	1					X						X
P-30 (SURF)		10/27/15	0917	1					X						X
P-31 (SURF)		10/27/15	0921	1					X						X
P-32 (SURF)		10/27/15	0924	1					X						X

Analysis Request

TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)** LEAD	Lab to Filter sample for Dissolved metals analysis		SPLIT/RUN DUPLICATE	HOLD		
																X		
																X		
												X						
												X						
												X			X			
												X						
												X						
												X						
												X						
												X						
												X						
												X						

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Relinquished By:	Date:	Time:	Received By:
	10/28/15	1150	
Relinquished By:	Date:	Time:	Received By:
	10/28/15	1460	
Relinquished By:	Date:	Time:	Received By:

ICE/t°_____ COMMENTS:
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION_____ pH<2_____

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CHAIN OF CUSTODY RECORD 6 of 6

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒

GeoTracker EDF ☐ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ UST Clean Up Fund Project ☐; Claim #_____

Report To: ALAN KLEIN **Bill To:** SAME

Company: PADRE ASSOCIATES, INC.
555 UNIVERSITY DR., SUITE 110, SACRAMENTO, CA 95825

Tele: (916) 333-5920 EXT. 24 **E-Mail:** aklein@padreinc.com

Project #: 1401-2172 **Project Name:** CUPERTINO (SEDGWICK SSI)

Project Location: CUPERTINO, CA **Purchase Order#**

Sampler Signature:

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Rinse Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other
P-33 (SURF)		10/27/15	0928	1					X						X
FB #1		10/27/15	1200	1	X									X	X
EB #1		10/27/15	1205	1	X									X	X

Analysis Request

,	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)*** LEAD	Lab to Filter sample for Dissolved metals analysis		LEAD (200.8)			
P-33 (SURF)													X						
FB #1																X			
EB #1																X			

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Relinquished By:	Date:	Time:	Received By:
	10/28/15	1150	
Relinquished By:	Date:	Time:	Received By:
	10/28/15	1400	
Relinquished By:	Date:	Time:	Received By:

ICE/t°_____ COMMENTS:
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION_____ pH<2_____

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"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: **Padre Associates. Inc.** Date and Time Received: **10/28/2015 6:33:12 PM**

Project Name: **1401-2172; Cupertino (Sedgwick SSI)** LogIn Reviewed by: Jena Alfaro

WorkOrder №: **1510A30** Matrix: Soil/Water Carrier: Daniel (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Sample/Temp Blank temperature	Temp: 3.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes ☐	No ☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments:

APPENDIX D
LEADSPREAD

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	310.0
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	2.2	4.0	4.8	5.8	6.6	77
BLOOD Pb, PICA CHILD	4.4	8.0	9.5	11.5	13.1	39

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	7
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	5.8E-5	0.02	1%		0.02	0%
Soil Ingestion	7.0E-3	2.18	99%	1.4E-2	4.36	100%
Inhalation	2.0E-6	0.00	0%		0.00	0%

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MODIFIED VERSION OF USEPA ADULT LEAD MODEL

CALCULATIONS OF BLOOD LEAD CONCENTRATIONS (PbBs) AND PRELMIINARY REMEDIATION GOAL (PRG)

EDIT RED CELL

Variable	Description of Variable	Units	
PbS	Soil lead concentration	ug/g or ppm	310
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4
GSD_i	Geometric standard deviation PbB	--	1.8
PbB_0	Baseline PbB	ug/dL	0.0
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050
$AF_{S, D}$	Absorption fraction (same for soil and dust)	--	0.12
$EF_{S, D}$	Exposure frequency (same for soil and dust)	days/yr	250
$AT_{S, D}$	Averaging time (same for soil and dust)	days/yr	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**0.5**
$PbB_{fetal, 0.90}$	90th percentile PbB among fetuses of adult workers	ug/dL	1.0
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**1.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**9.2%**

PRG90 **318**

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