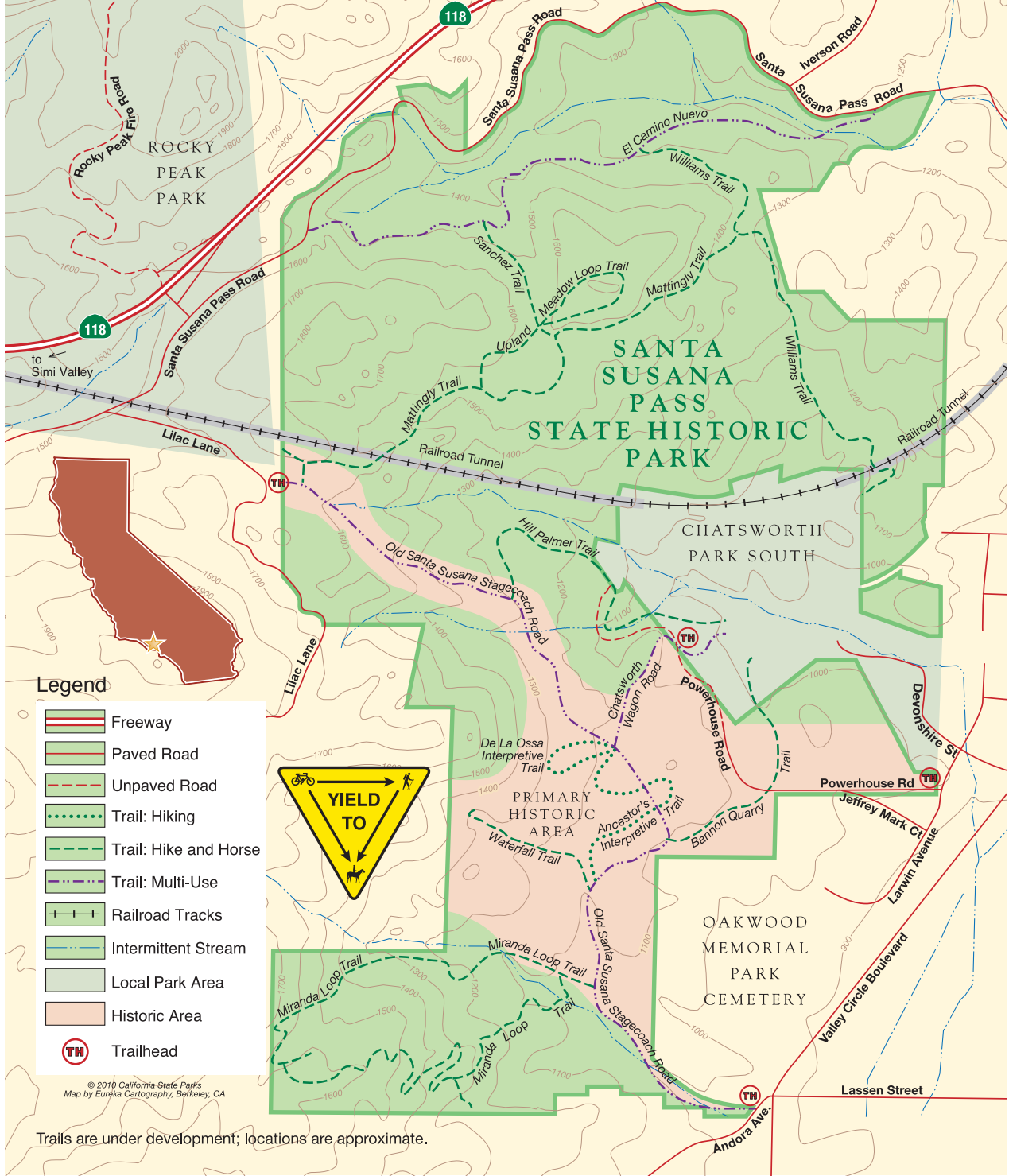




# Santa Susana Pass State Historic Park



- Legend**
- Freeway
  - Paved Road
  - Unpaved Road
  - Trail: Hiking
  - Trail: Hike and Horse
  - Trail: Multi-Use
  - Railroad Tracks
  - Intermittent Stream
  - Local Park Area
  - Historic Area
  - Trailhead



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Map by Eureka Cartography, Berkeley, CA

Trails are under development; locations are approximate.



**TABLE B-1  
FEDERAL CHEMICAL-SPECIFIC ARARs**

Requirement	Prerequisite	Citation	ARAR Determination	Comments
<b>SOIL</b>				
<b>Resource Conservation and Recovery Act (RCRA)*</b>				
Definition of RCRA hazardous waste	Waste soil or wastewater	Title 22 CFR Sections 66261.21, 66261.22(a)(1), 66261.23, 66261.24(a)(1), and 66261.100	Potentially applicable	Based on results of the October 2012 supplemental sampling, soil classified as a RCRA hazardous waste has not been identified using the Toxicity Characteristic Leaching Procedure (TCLP); however, additional waste profiling will be conducted that will include lead pellets in the soil which may identify RCRA hazardous waste.
Land Disposal Restrictions	Waste soil	Title 22 CFR Section 66268 40 CFR Part 268	Potentially applicable	The applicable standard for land disposal is based on the Universal Treatment Standard (UTS). The UTS for the contaminants of concern (COCs) will vary based on the chemical constituents present. The land disposal standards for hazardous waste soils were relaxed to 10-times the UTS.
<b>WATER</b>				
<b>Clean Water Act (CWA) 33 USC 1251-1376</b>				
Regulates discharges of water from a facility or site including site runoff	Wastewater discharge to a water body	40 CFR 100-149	Potentially applicable	Stormwater runoff during remedial action will require control.
<b>Safe Drinking Water Act (SDWA) 42 USC 300f - 300j</b>				
Regulates the quality of drinking water supply and lists maximum contaminant levels	Drinking water	40 CFR 141-143	Not an ARAR	Groundwater is not a media of concern for this response action.
<b>AIR</b>				
<b>Clean Air Act (CAA), 40 USC 7401 et seq.*</b>				
National Ambient Air Quality Standards (NAAQS): Primary and secondary standards for ambient air quality to protect public health and welfare (including standards for particulate matter and lead).	Contamination of air affecting public health and welfare.	40 CFR 50.4 - 50.12	Potentially applicable	These requirements will be evaluated further in the action-specific ARARs.
Provisions of State Implementation Plan (SIP) approved by EPA under Section 110 of CAA.	Major sources of air pollutants.	40 USC 7410; portions of 40 CFR 52.220 applicable to South Coast Air Quality Management District (SCAQMD)	Potentially applicable	Emission of air pollutants regulated by SIP is possible at the site. These requirements will be evaluated further in the action-specific ARARs.
<p>*Statutes and policies, and their citations, are provided as headings to identify general categories of potential ARARs for the convenience of the reader. Listing the statutes and policies does not indicate that the preparer accepts the entire statutes or policies as potential ARARs. Specific potential ARARs are addressed in the table below each general heading; only substantive requirements of the specific citations are considered potential ARARs.</p> <p>ARARs – Applicable or relevant and appropriate requirements                      CCR – California Code of Regulations                      SIP – State Implementation Plan                      USC – United States Code</p> <p>Chemical-specific concentrations used for the Remedial Action Plan (RAP) may not be ARARs indicated in this table, but may be concentrations based upon other factors. Such factors may include the following:</p> <ul style="list-style-type: none"> <li>▪ Human health risk-based concentrations (risk-based PRGs) [40 CFR 300.430(e)[A][1] and [2]].</li> <li>▪ Ecological risk-based concentrations (40 CFR 300.430(e)[G]).</li> <li>▪ Practical quantification limits of contaminants (40 CFR 300.430(e)[A][3]).</li> </ul>				

**TABLE B-2  
STATE CHEMICAL-SPECIFIC ARARS**

Requirement	Prerequisites	Citation	ARAR Determination	Comments
<b>SOIL</b>				
<b>California Environmental Protection Agency (CalEPA) Department of Toxic Substances Control (DTSC)*</b>				
Definition of "Non-RCRA hazardous waste"	Waste	22 CCR 66261.22(a)(3) and (4), 66261.24(a)(2) to (a)(8), 66261.101, 66261.3(a)(2)(C), or 66261.3(a)(2)(F)	Applicable	Results from the supplemental sampling indicate that the majority of soil may be classified as a non-RCRA California hazardous waste.
<b>State and Regional Water Quality Control Board (RWQCB)*</b>				
Authorizes the State and Regional Water Boards to establish in Water Quality Control Plans beneficial uses and numerical and narrative standards to protect both surface and groundwater quality. Authorizes Regional Water Boards to issue permits for discharges to land or surface or groundwater that could affect water quality, including National Pollutant Discharge Elimination System (NPDES) permits, and to take enforcement action to protect water quality.	Waste discharge	California Water Code, Division 7, Section 13241, 13243, 13263(a), and 13360 (Porter-Cologne Water Quality Control Act) Other provisions of Porter-Cologne Water Quality Control Act	Applicable	Substantive provisions are ARARs.
Describes the water basins in the Los Angeles region, establishes beneficial uses of ground and surface waters, establishes water quality objectives, including narrative and numerical standards, establishes implementation plans to meet water quality objectives and protect beneficial uses, and incorporates statewide water quality control plans and policies.	Waste discharge	Los Angeles Region Basin Plan	Potentially applicable	Substantive provisions in Chapters 3, 4, and 5 of the plan are ARARs, including beneficial use designations, water quality objectives, and water discharge limits.
<p>*Statutes and policies, and their citations, are provided as headings to identify general categories of potential ARARs for the convenience of the reader. Listing the statutes and policies does not indicate that the preparer accepts the entire statutes or policies as potential ARARs. Specific potential ARARs are addressed in the table below each general heading; only substantive requirements of specific citations are considered potential ARARs.</p> <p>ARARs – Applicable or relevant and appropriate requirements                      CCR – California Code of Regulations                      RCRA – Resource Conservation and Recovery Act</p> <p>Chemical-specific concentrations used for removal action alternative evaluation may not be ARARs indicated in this table, but may be concentrations based upon other factors. Such factors may include the following:</p> <ul style="list-style-type: none"> <li>▪ Human health risk-based concentrations (Risk-based PRGs) [40 CFR 300.430(e)(A)(1) and (2)].</li> <li>▪ Ecological risk-based concentrations [40 CFR 300.430(e)(G)].</li> <li>▪ Practical quantitation limits of contaminants [40 CFR 300.430(e)(A)(3)].</li> </ul>				

**TABLE B-3  
FEDERAL LOCATION-SPECIFIC ARARs**

Location	Requirement	Prerequisites	Citation	ARAR Determination	Comments
<b>Endangered Species Act of 1973<sup>a</sup></b>					
Critical habitat upon which endangered species or threatened species depend	Action to conserve endangered species or threatened species, including consultation with the Department of the Interior.	Determination of effect upon endangered or threatened species or their habitat	16 USC 1536(a)	Potentially applicable	There are no critical habitats in the immediate vicinity of the Site.
<b>Executive Order 11990, Protection of Wetlands</b>					
Wetland	Action to minimize the destruction, loss, or degradation of wetlands.	Wetland as defined by Executive Order 11990, Section 7	40 CFR 6, Appendix A (excluding Sections 6(a)(2), (4), and (6)); 40 CFR 6.302	Not an ARAR	There are no wetlands in the immediate vicinity.
<b>Clean Water Act, Section 404a</b>					
Wetland	Action to prohibit discharge of dredged or fill material into wetland without permit. Mitigation may be required to avoid net loss of wetlands.	Wetland as defined by Executive Order 11990, Section 7	40 CFR 230.10; 40 CFR 231 (excluding 231.1, 231.2, 231.7, and 231.8)	Not an ARAR	There are no wetlands in the immediate vicinity.
<b>Fish and Wildlife Coordination Act, Section 662a</b>					
Area affecting stream or other water body	Action taken should protect fish or wildlife.	Diversion, channeling, or other activity that modifies a stream or other water body and affects fish or wildlife	16 USC 662	Not an ARAR	
<b>Migratory Bird Treaty Act of 1972<sup>a</sup></b>					
Migratory bird area	Protects almost all species of native birds in the United States from unregulated "take," which can include poisoning at hazardous waste sites.	Presence of migratory birds	16 USC 703	Not an ARAR	
<p><sup>a</sup>Statutes and policies, and their citations, are provided as headings to identify general categories of potential ARARs. Specific potential ARARs follow each general heading.</p> <p>ARARs – Applicable or relevant and appropriate requirements                      CFR – Code of Federal Regulations                      USC – United States Code</p>					

**TABLE B-4  
STATE LOCATION-SPECIFIC ARARS**

Location	Requirement	Prerequisites	Citation	ARAR Determination	Comments
Fish and Game Code					
Endangered Species Habitat	Ensures that action taken will not jeopardize the survival and reproduction of any threatened or endangered species		Fish and Game Code Sections 2090-2096	Not an ARAR	Not effective after 1 January 1994.
<p>* Statutes and policies, and their citations, are provided as headings to identify general categories of potential ARARs for the convenience of the reader. Listing the statutes and policies does not indicate that the preparer accepts the entire statutes or policies as potential ARARs. Specific potential ARARs follow each general heading; only substantive requirements of the specific citations are considered potential ARARs.</p>					
<p>ARARs – Applicable or relevant and appropriate requirements CCR – California Code of Regulations</p>					

# APPENDIX B

## Applicable and Relevant and Appropriate Requirements

**TABLE B-5  
FEDERAL ACTION-SPECIFIC ARARS**

Alternatives: 1-No Action, 2-Excavation, Offsite Disposal, and Surface Cap, 3-Surface Cap							
Action	Requirement	Prerequisites	Citation	ARAR Determination			Comments
				A	RA	TBC	
<b>Resource Conservation and Recovery Act (RCRA) 42 USC 6901 et seq.</b>							
Onsite waste generation	Person who generates waste shall determine if that waste is a hazardous waste.	Generator of hazardous waste in California.	22 CCR 66262.10(a), 66262.11	2, 3			Applicable for any operation where waste is generated.
Hazardous waste accumulation	Generator may accumulate waste onsite for 90 days or less or must comply with requirements for operating a storage facility.	Accumulate hazardous waste.	22 CCR Section 66262.34	2, 3			Accumulation of hazardous wastes onsite for longer than 90 days would be subject to RCRA requirements for storage facilities.
Recordkeeping	Generator must keep records.	Generate hazardous waste.	22 CCR Section 66262.40	2, 3			Applicable if hazardous wastes are accumulated for longer than 90 days. See comment above.
Container storage	Containers of RCRA hazardous waste must be: - Maintained in good condition. - Compatible with hazardous waste to be stored. - Closed during storage except to add or remove waste.	Storage of RCRA hazardous waste not meeting small quantity generator criteria held for a temporary period greater than 90 days before treatment, disposal or storage elsewhere, in a container.	22 CCR 66264.171, 172, 173	2, 3			See comment above.
	Inspect container storage areas weekly for deterioration. Place containers on a sloped, crack-free base, and protect from contact with accumulated liquid. Provide containment system with a capacity of 10 percent of the volume of containers of free liquids. Remove spilled or leaked waste in a timely manner to prevent overflow of the containment system. Keep containers of ignitable or reactive waste at least 50 feet from the facility property line. Keep incompatible materials separate. Separate incompatible materials stored near each other by a dike or other barrier. At closure, remove all hazardous waste and residues from the containment system, and decontaminate or remove all containers, liners.		22 CCR 66264.174 22 CCR 66264.175(a) and (b)	2, 3 2, 3			See comment above. See comment above.
Excavation	Movement of excavated materials to new location and placement in or on land will trigger land disposal restrictions for the excavated waste or closure requirements for the unit in which the waste is being placed. Area from which materials are excavated may require cleanup to levels established by closure requirements.	Materials containing hazardous wastes subject to land disposal restrictions are placed in another unit. Hazardous waste placed at site after the effective date of the requirements.	22 CCR 66264.176	2, 3			See comment above.
			22 CCR 66264.177	2, 3			See comment above.
			22 CCR 66264.178	2, 3			Potentially applicable for all alternatives generating hazardous waste.
			22 CCR 66268.40	2, 3		2	Applicable for Alternatives 2 and 3 which may involve offsite disposal.
			22 CCR 66264.228(a), (b), (e) through (k), (m), (o) through (q); 22 CCR 66264.258(a) and (b), except as it cross-references procedural requirements.				Not an ARAR. Requirements in 23 CCR 2582 are more stringent.

# APPENDIX B

## Applicable and Relevant and Appropriate Requirements

Alternatives: 1-No Action, 2-Excavation, Offsite Disposal, and Surface Cap, 3-Surface Cap							
Action	Requirement	Prerequisites	Citation	ARAR Determination			Comments
				A	RA	TBC	
Treatment when waste will be land disposed	Treatment of waste subject to ban on land disposal must attain levels achievable by best demonstrated available treatment technologies (BDAT) for each hazardous constituent in each listed waste, if residual is to be land disposed.	Placement of RCRA hazardous waste in a landfill, surface impoundment, waste pile, injection well, land treatment facility, salt dome formation, or underground mine or cave.	22 CCR 66268.40 and 42			2, 3	Potentially applicable to alternatives involving disposal of hazardous waste offsite.
Placement of waste in land disposal unit	Attain land disposal treatment standards before putting waste into landfill in order to comply with land ban restrictions.		22 CCR 66268.40	2, 3			Applicable for soil, which is a listed hazardous waste, that is regulated under land disposal restrictions.
Groundwater monitoring	Owners/operators of RCRA surface impoundment, waste pile, land treatment unit, or landfill shall conduct a monitoring and response program for each regulated unit.	Surface impoundment, waste pile, land treatment unit, or landfill for which constituents in or derived from waste in the unit may pose a threat to human health or the environment.	22 CCR 66264.90(a) and (c), 66264.91(a) and (c), 66264.92-.95, 66264.97-.98 except as it cross-references permit requirements			2, 3	
<b>Clean Air Act (CAA) 40 USC 7401 et seq.</b>							
Discharge to air	Provisions of State Implementation Plan (SIP) approved by EPA under Section 110 of CAA.	Major sources of air pollutants	40 USC Section 7410: portions of 40 CFR Section 52.220 applicable to South Coast Air Quality Management District		2, 3		See Table B-6 for state ARARs for air.
	National Primary and Secondary Ambient Air Quality Standards (NAAQS) - standards for ambient air quality to protect public health and welfare (including standards for particulate matter and lead).	Contamination of air affecting public health and welfare	40 CFR Sections 50.4 - 50.12		2, 3		
<b>U.S Department of Transportation, 49 USC 1802, et seq.*</b>							
Hazardous Materials Transportation	No person shall represent that a container or package is safe unless it meets the requirements of 49 USC 1802, et seq. or represent that a hazardous material is present in a package or motor vehicle if it is not.	Interstate carriers transporting hazardous waste and substances by motor vehicle. Transportation of hazardous material under contract with any department of the executive branch of the Federal government.	49 CFR 171.2(f)	2, 3			Substantive portions of these requirements would be ARARs for transport of hazardous materials onsite. Offsite transport must comply with both substantive and administrative requirements.
	No person shall unlawfully alter or deface labels, placards or descriptions, packages, containers, or motor vehicles used for transportation of hazardous materials.		49 CFR 171.2(g)	2, 3			See comment above.
	Each person who offers hazardous material for transportation or each carrier that transports it shall mark each package, container, and vehicle in the manner required.	Person who offers hazardous material for transportation; carries hazardous material, or packages, labels, or placards hazardous material.	49 CFR 172.300	49 CFR 172.301	2, 3		
Hazardous Materials Marking, Labeling, and Placarding	Each person offering non-bulk hazardous materials for transportation shall mark the proper shipping name and identification number (technical name) and consignee's name and address.		49 CFR 172.301	2, 3			See comment above.

# APPENDIX B

## Applicable and Relevant and Appropriate Requirements

Alternatives: 1-No Action, 2-Excavation, Offsite Disposal, and Surface Cap, 3-Surface Cap

Action	Requirement	Prerequisites	Citation	ARAR Determination			Comments
				A	RA	TBC	
	Hazardous materials for transportation in bulk packages must be labeled with proper identification (ID) number, specified in 49 CFR 172.101 table, with required size of print. Packages must remain marked until cleaned or refilled with material requiring other marking.		49 CFR 172.302	2, 3			See comment above.
	No package marked with a proper shipping name or ID number may be offered for transport or transported unless the package contains the identified hazardous material or its residue.		49 CFR 172.303	2, 3			See comment above.
	The markings must be durable, in English, in contrasting colors, unobscured, and away from other markings.		49 CFR 172.304	2, 3			See comment above.
	Labeling of hazardous material packages shall be as specified in the list.		49 CFR 172.400	2, 3			See comment above.
	Non-bulk combination packages containing liquid hazardous materials must be packed with closures upward, and marked with arrows pointing upward.		49 CFR 172.312	2, 3			See comment above.
	Each bulk packaging or transport vehicle containing any quantity of hazardous material must be placarded on each side and each end with the type of placards listed in Tables 1 and 2 of 49 CFR 172.504.	Each person who offers for transport or transports any hazardous materials shall comply with these placarding requirements.	49 CFR 172.504	2, 3			See comment above.

Statutes and policies, and their citations, are provided as headings to identify general categories of potential ARARs. Specific potential ARARs are addressed in the table below each general heading.

- A – Applicable
- ARAR – Applicable or relevant and appropriate requirement
- CAA – Clean Air Act
- CCR – California Code of Regulations
- CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
- CFR – Code of Federal Regulations
- CWA – Clean Water Act
- DOT – U.S. Department of Transportation
- EPA – U.S. Environmental Protection Agency
- NESHAPs – National emission standards for hazardous air pollutants
- NPDES – National Pollutant Discharge Elimination System
- RA – Relevant and appropriate
- RWQCB – California Regional Water Quality Control Board, Los Angeles Region
- SWRCB – California State Water Resources Control Board
- SDWA – Safe Drinking Water Act
- TBC – To be considered
- USC – United States Code

**TABLE B-6  
STATE ACTION-SPECIFIC ARARS**

Alternatives: 1-No Action, 2-Containment, 3-Excavation and Offsite Disposal, 4-Soil Vapor Extraction and Treatment							
Action	Requirement	Prerequisites	Citation	ARAR Determination			Comments
				A	RA	TBC	
<b>State Water Resources Control Board (SWRCB) and Regional Water Quality Control Board (RWQCB)</b>							
Discharge Affecting Water Quality	Authorizes the State and Regional Water Boards to establish in Water Quality Control Plans beneficial uses and numerical and narrative standards to protect both surface and ground water quality. Authorizes regional water boards to issue permits for discharges to land or surface or ground water that could affect water quality, including NPDES permits, and to take enforcement action to protect water quality.	Waters of the state.	California Water Code, Division 7, Section 13241, 13243, 13263(a), and 13360 (Porter-Cologne Water Quality Control Act)		2, 3		
<b>South Coast Air Quality Management District (SCAQMD)</b>							
Discharge of air	Limits visible emissions from any point source to Ringelmann No. 1 (or 20 percent capacity) for 3 minutes in any hour.	Visible emission to atmosphere.		2, 3			Dust generated during removal actions will be controlled.
	Requires permit for operation of equipment that can potentially emit VOCs or toxics	Vapor Extraction System					Not applicable
	Prohibits the discharge of any air emissions in quantities that may cause injury, detriment, nuisance, or annoyance to the public.			2, 3			Dust generated during drilling or removal actions will be controlled.
	Limits onsite activities so that fugitive dust at the property line shall not be visible and the downwind particulate concentration shall not be more than 100 micrograms per cubic meter, averaged over 5 hours, above the upwind particulate concentration. Also requires reasonable precaution to minimize fugitive dust and prevent and cleanup any material accidentally deposited on paved streets.	These requirements do not apply if the wind speed, averaged over 15 minutes, is above 15 miles per hour.			2, 3		Dust generated during drilling or removal actions will be controlled.
<p>* Statutes and policies, and their citations, are provided as headings to identify general categories of potential ARARs for the convenience of the reader. Listing the statutes and policies does not indicate that the preparer accepts the entire statutes or policies as potential ARARs. Specific potential ARARs are addressed in the table below each general heading; only substantive requirements of the specific actions are considered potential ARARs.</p> <p>A – Applicable                      ARAR – Applicable or relevant and appropriate requirement                      NPDES – National Pollutant Discharge Elimination System</p> <p>RA – Relevant and appropriate                      TBC – To be considered                      VOCs – Volatile organic compounds</p>							

SEE STAND-ALONE HASP



**APPENDIX D**  
**TRANSPORTATION PLAN**

CHATSWORTH PARK SOUTH  
22360 WEST DEVONSHIRE STREET  
CHATSWORTH, CALIFORNIA 91311

Prepared for:

City of Los Angeles  
Department of Recreation and Parks  
221 North Figueroa Street, Suite 100  
Los Angeles, California 90012

Prepared by:

URS Corporation  
915 Wilshire Boulevard, Suite 700  
Los Angeles, CA 90017  
213-996-2200

DISCLAIMER: It is the responsibility of the Project Proponent to ensure compliance with the applicable transportation requirements during the proposed remedial action. This Transportation Plan should be updated to be site-specific by the Remedial Action Contractor. Additional company-specific or site-specific transportation requirements should be added as an addendum to this generic Transportation Plan.
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\_\_\_\_\_  
Signature of Project Manager and Date

February 15, 2013

# APPENDIX D

## TRANSPORTATION PLAN

### PROJECT SUMMARY

Project Site (**Site**): Chatsworth Park South

Site Address: 22360 W. Devonshire St, Chatsworth, California (See attached Figure 1 for Site Location Map)

Project Proponent (**PP**): City of Los Angeles Department of Recreation and Parks (City of LA)

Remedial Action (**RA**) Contractor: to be determined (TBD)

Chemicals of Concerns (**COCs**): lead and polycyclic aromatic hydrocarbons (PAHs) in soil

Site-Specific Cleanup Goals (**CGs**): Site-specific CGs are discussed further in Section 3 of the Remedial Action Plan (RAP)

Estimated Volume of Soil Removal: 13,700 cubic yards

Distance to a Sensitive Environment: Residences adjacent to the east

### **1.0** INTRODUCTION

During Site investigations, elevated levels of lead and PAHs were detected in shallow soils at the Site (see **RAP Figures 1 through 4**). The City of LA plans to conduct a remedial action (RA) to cap impacted soils at the Site. As a part of cap installation, import and export soil will be conducted. Volumes of soil transport are TBD.

URS Corporation (URS), on behalf of the City of LA, has prepared a RAP to address the proposed RA of impacted soil at the Site. This Transportation Plan is prepared as a key component of the RAP.

Per the RAP, the lead- and PAH-impacted soil will be capped by the Contractor with 4 inches of imported top soil to support turf growth, 8 inches of imported base to allow drainage below the top soil, and a layer of steel hardware cloth beneath the base to prevent burrowing animals from disturbing the cap. In areas where replacement tree groves will be planted, the impacted soil will be excavated to a depth of 4 feet bgs and transported offsite for disposal by the Contractor.

All excavated soils shall be shipped by a qualified (licensed/registered and insured) waste hauler via sealed or covered end-dump trucks under manifests or proper shipping documents to a proper disposal facility. Imported capping and fill materials shall be shipped to the Site in tarped trucks.

All removal, transportation, disposal, and Site restoration activities will be performed in accordance with all applicable federal, state, and local laws, regulations, and ordinances.

## **2.0 WASTE CHARACTERIZATION AND QUANTITY**

### **2.1 Waste Profile**

Site-Specific COCs: Lead and PAHs

Excavated soils will be profiled for acceptance by the selected disposal facility prior to transport offsite. Soils may be profiled for waste characterization prior to excavation using existing data or with additional in-situ sampling and analysis, or they may be profiled by stockpile sampling and analysis following excavation.

### **2.1 Hazardous Waste Management**

Resource Conservation and Recovery Act (RCRA) hazardous waste is regulated under federal RCRA and the California Health and Safety Code (H&SC). The RCRA regulatory levels for D-wastes, using the Toxicity Characteristic Leaching Procedure (TCLP), are listed under the California Code of Regulations (CCR) Title 22 Section 66261.24(a)(1) (22 CCR Section 66261.24(a)(1)).

Non-RCRA hazardous waste is regulated only under the California H&SC and 22 CCR. The Total Threshold Limit Concentration (TTLC) and Soluble Threshold Limit Concentration (STLC) values for certain chemicals are listed under 22 CCR Section 66261.24(a)(2).

If waste soil is classified as a hazardous waste or RCRA hazardous waste, the City of LA will obtain a U.S. Environmental Protection Agency (USEPA) ID number for proper hazardous waste management. Compliance with Department of Toxic Substances Control (DTSC) requirements of hazardous waste generation, temporary onsite storage, transportation, and disposal is required.

### **2.2 Waste Quantity**

Estimated quantity of lead- and PAH-impacted soils for off-haul: 20,500 tons

Estimated Number of Truckloads per Day: 30

### **2.3 Import Fill Material**

Estimated Quantity of Import Fill Material: 66,700 tons

Estimated Number of Truckloads per Day: 50

## **3.0 SOIL LOADING OPERATIONS**

Soil excavated for the planting of replacement tree groves will be removed with excavators or other types of earth moving equipment, as necessary. The soil will be stockpiled on and covered with plastic sheeting, sampled for profiling purposes, then transported offsite to an approved disposal facility.

### **3.1 Soil Segregation Operations**

Excavated soils may be classified into three waste categories: RCRA hazardous waste, non-

RCRA California hazardous waste, and non-hazardous waste impacted soil. Waste segregation operations may be necessary for disposal purposes.

### **3.2 Truck Loading Operations**

While the soil is being loaded into the transport trucks, dust suppression will be performed by lightly spraying or misting the work areas with water. Water mist may also be used on soil placed in the transport trucks. After the soil is loaded into the transport trucks, the soil will be covered and otherwise contained to prevent soil from blowing or spilling out of the truck during transport to the disposal facility.

The selected transport company will be required to be fully licensed and insured to transport hazardous waste if the excavated soil is profiled as hazardous. Prior to loading the soil into the trucks, the transport company will be required to provide proof of valid certification for the transport of hazardous soil/materials and documentation that the trucks will not release soil during transport.

All vehicles will be decontaminated prior to leaving the work area. For track-out prevention and control, trucks will be broom cleaned after loading and rinsed off with water in a gravel pad area as necessary. The dump truck or roll-off bin portion of the truck will then be covered with a tarp to prevent soil and/or dust from spilling out of the truck during transport to the disposal facility.

Prior to leaving the load-out area, each truck will be inspected by the Contractor to ensure that the payloads are adequately covered, the trucks are cleaned of spilled soil, and the shipment is properly manifested. Proper hazardous waste placarding may be required for transportation of hazardous wastes.

### **3.3 Working Hours and Duration**

In most cases, remediation activities at the Site, including truck loading and unloading, will be conducted between 7:00 AM to 6 PM daily Monday through Saturday. The volume of soil and duration of work are TBD.

## **4.0 TRANSPORTATION CONTROL**

### **4.1 Dust Control during Transportation**

Soil for offsite disposal will be transported in tarped end-dump trailers/trucks, drums, or roll-off bins to an approved land disposal facility. All waste hauler vehicles will be decontaminated prior to leaving the work area. Clean fill materials will be transported in tarped trailers/trucks to the Site.

### **4.2 Traffic Control**

**Truck Staging Area:** Prior to loading or unloading at the Site, all trucks will be staged onsite as much as possible to avoid impacts on the local streets. Careful coordination of trucks will be exercised to help avoid staging offsite and long wait times for trucks. Trucks will not be allowed to sit idling more than 5 minutes to avoid unnecessary exhaust fumes.

**Site Access Control:** Trucks to be loaded or unloaded at the Site will only access the designated soil loading/unloading areas or truck staging areas through the gate on West Devonshire Street. Waste hauling vehicles will not be allowed to cross soil remedial or staging areas. A flag person of the Contractor will be located at the gates to assist the truck drivers to safely enter and depart the Site.

**Onsite Traffic Flow:** Traffic will be coordinated in such a manner that, at any given time, no more than eight transportation trucks will be onsite to reduce truck traffic on surrounding surface streets and reduce dust generation during onsite transportation.

**Speed Limit:** While on the Site, all vehicles are required to maintain slow speeds, e.g., less than 5 miles per hour (mph), for safety purposes and for dust control measures. While on streets or freeways, all transporters will follow the speed limit requirements and defensive driving techniques (over traffic or road conditions) for traffic safety.

### **4.3 Transportation Routes**

There are numerous alternate routes that can be taken to the Site from potential import facilities and to potential land disposal facilities from the Site. These facilities will be determined by the Contractor following award of the project. A proposed route of transportation for leaving the Site and entering California State Route 118 is included as **Figure D-1** of this Transportation Plan and will be updated as necessary.

Once the import and disposal facilities are selected by the Contractor, complete route maps will be prepared. With the exception of traffic conditions encountered during hauling, in the event that an alternate route is taken, the City of LA will verify the Contractor's new truck route with the DTSC prior to initiating field activities. Routes should be selected to minimize the trucks' travel time on surface streets and to provide the shortest distance traveled.

Before leaving the Site, the truck driver will be instructed to notify the Contractor's Site manager. The truck driver will be provided with the cellular phone number for the Contractor's Site manager. It will be the responsibility of the truck driver to contact the Contractor's Site manager if problems arise after leaving the Site. It will be the responsibility of the Contractor's Site manager to notify the DTSC and the City of LA of any unforeseen incidents. In addition, the Los Angeles County Service Authority for Freeway Emergencies (LA SAFE) was created pursuant to California Streets & Highways Code Section 2550 et. seq. LA SAFE is responsible for the operation and maintenance of the Kenneth Hahn Call Box System. There are more than 4,400 call boxes located throughout the Los Angeles County. These call boxes are situated at roadside locations along the truck route described above. The call boxes are intended to be used to report roadside emergencies to the California Highway Patrol (CHP) dispatch center. As such, the truck driver will be instructed to report any roadside emergency to the CHP using the call box system and also to notify the Site manager.

**Consultation with Local Transportation Department:** A "haul route permit" may be required and obtained from the City of Los Angeles transportation department with a copy of the transportation route map at least three (3) days prior to commencement of the proposed RA. If

the project involves more than 20 daily truckloads, the local transportation department will be consulted for any additional traffic control measures.

The haul route permit is sufficient for the trucks hauling soils and fill materials because the loaded weight will be less than 40 tons. Mobilization and demobilization of large earthmoving equipment may exceed this weight and would require additional permits (green and/or purple) from the State (and local transportation agencies). Heavier loads have higher permit fees and restrictions on time of travel.

**Local Traffic Control:** Transportation of impacted soils or fill materials will be on arterial streets and/or freeways, approved for truck traffic, to minimize any potential impact on the local neighborhood. Moving along the proposed transportation routes, all street intersections (except those marked on the transportation route map) are controlled by traffic lights or stop signs. For those intersections without traffic control signs, a flag person of the Contractor may be located to assist or direct traffic flows during heavy traffic hours. Therefore, the number of daily truckloads during implementation of the RAP is not expected to cause a disruption in local traffic.

**Street Maintenance:** A “work notice” will be given to the LA Bureau of Street Service, Enforcement/Inspection Division with copies of the transportation route maps at least three (3) days prior to initiation of the proposed RA. All street surfaces along the transportation routes will be routinely inspected and, if necessary, maintained or repaired by the Contractor, during implementation of the tasks. The Contractor is responsible for cleaning streets from spilled soils and the final cleanup after completion of field activities, such as washing paved areas. The number of daily truckloads during implementation of the RAP is not expected to cause damage to surface streets.

## **5.0 OFFSITE LAND DISPOSAL FACILITIES**

Waste profile and classification will be conducted by the Contractor. Once the landfill has provided written acceptance, copies of waste profile reports used to secure disposal permission from the landfill, will be provided to DTSC. Compliance with the land disposal restrictions, as necessary, will be documented and provided to DTSC once written acceptance from the landfill is obtained.

While remaining in California, all hazardous wastes will be properly managed, manifested, and transported by a registered hazardous waste hauler to a proper waste management facility.

### **5.1 RCRA Hazardous Waste Facilities (Class I)**

All RCRA hazardous wastes, if any, will be disposed of in a Class I hazardous waste land disposal facility permitted to accept such wastes. Potential facilities, marked below, may be selected for this project:

<input checked="" type="checkbox"/> Clean Harbors Buttonwillow 2500 West Lokern Road Buttonwillow, California 93206 Phone: (323) 277-2500	<input checked="" type="checkbox"/> Others ("[Click and type]")
--	---

## 5.2 Non-RCRA Hazardous Waste Facilities (Class I or II)

A non-RCRA hazardous waste is a California only hazardous waste. When an asbestos waste is regulated as non-RCRA hazardous waste, it may be disposed of at a California Class 2 landfill or an out-of-state Class 3 landfill (permitted to accept such wastes). All other non-RCRA hazardous wastes will be disposed of at a California Class 1 land disposal facility or an out-of-state Class 3 landfill, permitted to accept such wastes. Potential waste management facilities, marked below, may be selected for this project:

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Clean Harbors Buttonwillow<br>2500 West Lokern Road<br>Buttonwillow, California 93206<br>Phone: (323) 277-2500 | <input checked="" type="checkbox"/> An out of state Class 3 landfill<br>permitted to accept such wastes<br>("[Click and type]") |
| <input checked="" type="checkbox"/> Others ("[Click and type]")  |   |

## 5.3 Non-Hazardous Waste Facilities

The non-hazardous soil may be transported to one of the following potential facilities:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Waste Management - Simi Valley Landfill<br>2801 Madera Road<br>Simi Valley, California 93065<br>Phone: (310) 544--5737 | <input checked="" type="checkbox"/> Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, California 91384<br>Phone: (661) 257-3655 |
| <input checked="" type="checkbox"/> Others ("[Click and type]")  |  |

## 6.0 RECORD KEEPING

The Contractor will be responsible for maintaining a field logbook during the RA activities. The field logbook will serve to document observations, onsite personnel, equipment arrival and departure times, and other vital project information. Logbook entries will be complete and accurate enough to permit reconstruction of field activities. Logbooks will be bound with consecutively numbered pages. Each page will be dated and the time of entry noted. All entries will be legible, written in black ink, and signed by the individual making the entries. Language will be factual, objective, and free of personal opinions or other terminology that might prove inappropriate. If an error is made, corrections will be made by crossing a line through the error and entering the correct information. Corrections will be dated and initialed.

The Uniform Hazardous Waste Manifest (hazardous waste manifest) form will be used to track the movement of soil sent offsite as hazardous waste from the point of generation to the point of ultimate disposition. The hazardous waste manifests will include information such as:

- Name and address of the generator, transporter, and the destination facility
- U.S. Department of Transportation (DOT) description of the waste being transported and any associated hazards
- Waste quantity

- Name and phone number of a contact in case of an emergency
- USEPA Hazardous Waste Generator Number
- Other information required either by USEPA and DTSC

Non-hazardous waste manifests or proper shipping documents will be used to track the movement of soil sent offsite as non-hazardous waste from the point of generation to the point of treatment.

Before transporting the excavated soil offsite, an authorized representative of City of LA will sign each waste manifest. The Contractor's Site manager will maintain one copy of the waste manifest onsite. Copies of the waste manifests, signed by the receiving facilities, will be included in the Remedial Action Completion Report (RACR). While at the disposal facility, the truck will be weighed before offloading the payload. Weight tickets or bills of lading will be provided to the City of LA contractor after the material has been shipped offsite.

## **7.0 HEALTH AND SAFETY**

A site-specific health and safety plan (HSP) has been prepared and included in the RAP. Prior to the commencement of each day's activities, a tailgate health and safety meeting will be held. Everyone working at the Site will be required to be familiar with the HSP and attend the daily tailgate meetings or health and safety briefings. Everyone working at the Site will be required to sign the site-specific HSP to demonstrate that they are familiar with the HSP and that they participated in, or were briefed on, the daily tailgate meeting. The Contractor's Site manager will maintain this signature sheet.

## **8.0 REQUIREMENTS OF FILL MATERIALS**

**(Select all that are applicable)**

- No fill materials are required at the Site during the implementation of the RAP.
- Fill materials will be secured with DTSC and City of LA's approval.

All sources shall be approved by City of LA and DTSC prior to importing the fill materials to the Site. Prior to import to the Site, the clean top soil and aggregate base will be tested at a minimum frequency of one sample per 1,000 cubic yards per Section 5.6.4 of the RAP. The test results will be submitted to DTSC for review and approval prior to import.

## **9.0 REQUIREMENTS OF TRANSPORTERS**

Qualified transporters will be hired for hauling the excavated soil away or hauling fill materials to the Site.

### **9.1 License and Insurance**

The selected haulers will be fully licensed and insured to transport the excavated soils or fill materials. Hazardous wastes must be shipped by a registered hazardous waste hauler. Prior to hiring, the Contractor shall verify the status of registration and insurance policy of the selected transporters.

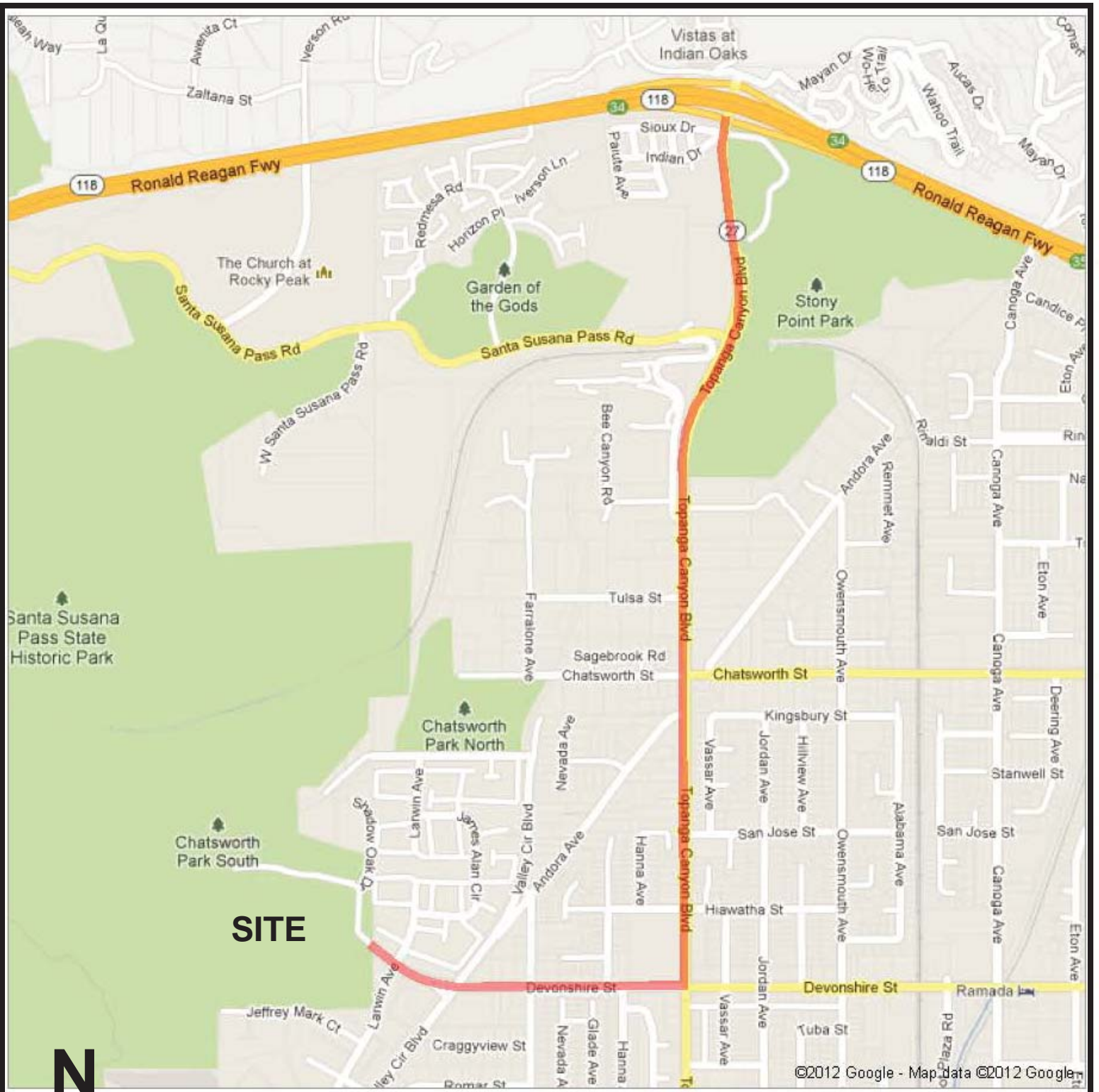
## 9.2 Contingency Plan

Each transporter is required to have a contingency plan prepared to deal with the following conditions:

- a. When there are emergency situations (vehicle breakdown, accident, waste spill, waste leak, fire, explosion, etc.) during transportation of excavated soils from the Site to the destined disposal facility or during transportation of fill materials from a source to the Site;
- b. When the volumes of excavated soil change; or
- c. When waste characteristics change.

The Contingency Plan will be prepared in accordance with DTSC's guidance for preparing transportation plans for site remediation (DTSC, May 1994). Once the transporter is selected, a copy of its contingency plan will be attached to this Transportation Plan.

**FIGURE**



©2012 Google - Map data ©2012 Google

**Truck Route to and from the Site**



California



Environmental

**SUPPLEMENTAL SITE INVESTIGATION (II)**

Chatsworth Park South  
APN 2723-010-904  
22360 West Devonshire Street  
Chatsworth, California 91311

FOR

**CITY OF LOS ANGELES**

Department of Recreation and Parks  
221 North Figueroa Street, Suite 100  
Los Angeles, California 90012  
Attention: Mr. Paul Davis

Submitted to:

**STATE OF CALIFORNIA**

Department of Toxic Substances Control  
Voluntary Clean-up Program  
9211 Oakridge Avenue  
Chatsworth, California 91311-6505  
Attention: Ms. Chand Sultana

CE Job No. GE1093-741

December 2012

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- I.    XRF – Field Data & Map
- II.   Chemical Laboratory Test Reports

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(continued)

**Table of Acronyms**

COC	Chemicals of Concern
COPCs	Chemicals of Potential Concern
CPD	Clay Pigeon Debris
CPS	Chatsworth Park South
CSM	Conceptual Site Model
DTSC	Department of Toxic Substance Control
EPCs	Exposure Point Concentrations
ERA	Ecological Risk Assessment
HHRA	Human Health Risk Assessment
HPAHs	High Molecular Weight Polycyclic Aromatic Hydrocarbons
HQs	Hazard Quotients
LPAHs	Low Molecular Weight Polycyclic Aromatic Hydrocarbons
µg/l	Microgram per Liter
mg/kg	Milligram per Kilogram
mg/l	Milligram per Liter
OEHHA	Office of Environmental Health Hazard Assessment
PAHs	Polycyclic Aromatic Hydrocarbons
PEA	Preliminary Endangerment Assessment
PVC	Polyvinyl Chloride
SAFR	Small Arms Firing Range
SPLP	Synthetic Precipitation Leaching Procedure
SSI	Supplemental Site Investigation
STLC	Soluble Threshold Limit Concentration
SVOCs	Semi-Volatile Organic Compounds
TPH	Total Petroleum Hydrocarbons
TRVs	Toxicity Reference Values
TTLC	Total Threshold Limits Concentration
URS	URS Corporation (Engineering/Construction/Technical Services)
VCA	Voluntary Clean-up Agreement
XRF	(Portable) X-ray Fluorescence Analyzer

## **1.0 INTRODUCTION**

The following report presents the results of the Supplemental Site Investigation (II) conducted for Chatsworth Park South (CPS), located at 22360 West Devonshire Street in Chatsworth, California. The scope of this investigation was carried out in accordance with the CalEPA DTSC approved workplan prepared by California Environmental, dated August 13, 2012. The scope of the supplemental site investigation included soil sampling from 37 exploratory borings, sampling of 11 shallow test holes, obtaining 224 field XRF readings from 38 locations, lab analysis of 58 individual soil samples for total lead/PAHs/soluble lead, data reduction, preparation of an updated topographic survey, and the preparation of this report. The purpose of the supplemental investigation was to further define the extent of lead and PAHs in shallow soil to assist in the preparation of the RAP being prepared by URS Corp.

## 2.0 SITE DESCRIPTION

The subject property is located at the northwest corner of the San Fernando Valley where the valley floor abuts the adjacent Simi Hills/Santa Susana Mountains; see **Figure 1 - Vicinity Map**. The Chatsworth Park area encompasses approximately 81 acres of which approximately 21 acres have been developed with recreational facilities. These facilities include a 10,000 square foot recreation building, an adjoining fenced children's play area, parking lots, sand pit play area, two tennis courts, a basketball court, and landscaped fields. Residential housing abuts the park boundary to the east, undeveloped hillside terrain borders the park to the north, west, and south. The Santa Susana State Park borders CPS to the north and west. Various recreational trails for pedestrians, hikers, and equestrian use surround the level park facility areas. A railroad right-of-way is adjacent to the north.

Topographically, the subject property occupies a box canyon with hills that ascend from the level developed recreational area to the north, west, and south. Historic topographic maps from 1926 depict the area of the site prior to development. At that time, the alluviated canyon bottom was approximately bisected by a drainage course which extended from west to east across the property. Total topographic relief across the park site is on the order of 150 feet.

The current drainage pattern approximately mimics the historic predevelopment drainage conditions. The main drainage swale is unpaved and extends from west to east across the site. Near the recreation center building, the channel is somewhat more incised and is crossed by a small bridge. Several small drainage culverts and pipes were placed across the drainage to facilitate placement of pathways and access points. For the most part, drainage sheet flows towards the central drainage channel where it is conveyed in an easterly direction off the property. The flow enters a subsurface storm drain east of the site.

## 2.1 SITE IDENTIFICATION INFORMATION

- Chatsworth Park South
- Current Address: 22360 West Devonshire Street, Chatsworth, California 91311
- Historical Address: 22301 West Devonshire Street, Chatsworth, California 91311
- APN: 2723-010-904 (Approximately 81 acres)
- T2N, R17W, Section 13 NW¼ from the San Bernardino Baseline Meridian
- Open space, public facilities, historic monument

### Site Contact:

Mr. Paul Davis

City of Los Angeles, Department of Recreation and Parks

221 North Figueroa Street, Suite 100

Los Angeles, California 90012

(

## 2.2 SITE MAPS

Updated site maps are contained in the **ILLUSTRATIONS** section of this report. **Figure 1-Vicinity Map** shows the topographic setting of the subject property. **Figure 2 – Survey with Easements** is an updated topographic survey (new aerial, September 2012) at a scale of 1-inch to 100 feet. This updated survey was prepared at a one foot contour interval to assist in preparation of the RAP grading plan. **Figures 3, 4 & 5 - Lead in Shallow Soil** depicts the extent of lead in shallow soil which exceeds the site specific screening criteria of 80 mg/kg. **Figure 3** also depicts the area where lead pellet debris is exposed at the ground surface. **Figure 6 – PAHs in Shallow Soil** depicts the extent of PAHs in shallow soil that exceeds the site-specific screening criteria of 0.9 mg/kg. **Figure 7 and 8** depict the PAH impacted area on the east and west portions of the property, respectively. A map of the field XRF readings is contained in **APPENDIX I**.

### 3.0 SUPPLEMENTAL SITE INVESTIGATION (II)

The Supplemental Site Investigation (SSI-II) was carried out pursuant to a workplan submitted to CAL EPA DTSC and prepared by California Environmental in August 2012. The SSI-II was initiated to accomplish several goals. The first goal was to better define the limits of the COCs (lead and PAHs) that exceed the screening criteria in shallow soil and secondarily, to evaluate for the presence of COCs beneath a large stand of native oak trees and associated trail area located south of the former firing line of the closed SAFR. The SSI-II was implemented during October 2012. The field work included screening shallow soil with the use of an XRF, soil sampling using a hydraulic push rig and shallow soil sampling using a hand auger. This sampling effort concentrated on the upper 6 inches to 1 foot of soil to assess the areal extent of the COCs in shallow soil. This work was accomplished in support of the RAP being developed by URS Corp.

XRF field readings were obtained from shallow soil samples along north-south transects across the area of the native oak stand and along the adjacent trail alignment. Field XRF readings were also obtained from shallow soil areas near the lead pellet debris exposed on rocky outcrops located on the north end of the former SAFR. Approximately 224 XRF “shots” from 38 sample locations were obtained during October 3-4, 2012. The real-time XRF data was then used to refine locations for follow-up soil sampling with the hydraulic push drill rig. Hydraulic push borings were also excavated around the perimeter of the former SAFR to fill data gaps to improve the definition of the impacted zone delineated during the earlier assessment work Chatsworth Park South.

The earlier assessment work by CE “*Supplemental Site Investigation and Preliminary Endangerment Assessment Report, Chatsworth Park South*” (dated Dec. 2010) identified eight areas of environmental

concern based on the historical site use developed for Chatsworth Park South. These areas of concern were initially used to program the subsurface assessment activities at CPS. The original eight areas of environmental concern included:

**AREA I - SHOTGUN FIRING LINE** - The shotgun firing line includes the area immediately adjacent to the zone where the shotgun blasts occurred at the former SAFR. Area I also include the adjacent southerly hillside where clay pigeon debris was observed.

**AREA II - ZONE OF MAXIMUM TARGET FRAGMENT ACCUMULATION**- This is the impact zone where sporting clay targets are impacted and fragments drop to the ground. The primary COCs in this zone include lead, arsenic, and PAHs.

**AREA III – ZONE OF MAXIMUM SHOT FALL AND LEAD ACCUMULATION**-This is the zone where unimpeded lead pellets and/or rounds that missed targets would fall. This zone extends from 375 feet to about 770 feet beyond the shotgun firing line. The COCs in this area are lead pellets, arsenic, lead, and PAHs.

**AREA IV - MAXIMUM SHOT FALL AREA** - This area was designated based upon the presence of visible lead pellet accumulation on bedrock outcrops. The principal COCs are visible lead pellets, lead, arsenic and PAHs in shallow sediment.

**AREA V - FORMER FISH POND** - A surface water body was historically present at the extreme northwest end of the maximum shot fall area.

**AREA VI - ZONE OF SURFACE/SUBSURFACE DRAINAGE** -A zone of potential COC transport (ephemeral drainage channel) was identified across the property. The zone extends across the closed SAFR and extends south and eastward to the homestead parcel. The principal COCs are lead pellets, lead, arsenic, and PAHs.

**AREA VII - OFFSITE CLAY TARGET DEBRIS PILES** - Two areas of clay target debris piles were observed offsite (south) of CPS. The principal COCs are PAHs, lead pellets, lead, and arsenic.

**AREA VIII – UNDOCUMENTED FILL AREA** -This area includes the “unknown graded” area on the east portion of the site. Historical data suggests the grading that occurred on the property is likely restricted to the areas near the existing recreation center building.

The assessment work conducted during 2010 at CPS found elevated concentrations of lead and PAHs widespread beneath the level portions of CPS and extending up the hillside south of the former firing line. Elevated concentrations of lead in shallow soil were typically restricted to the former firing range area and within the drainage pathway which extends from west to east across the developed park area. Clay pigeon debris (CPD) that contains PAHs was found widespread in shallow soil beneath the developed portions of CPS including on the former firing range, extending eastward, east of the park access road, and extending to the south on the hill slope south of the former firing line. It appears, from anecdotal historical testimony and the observed distribution of the CPD, that periodically, the firing at clay pigeons occurred in a southerly direction rather than the normal northerly target direction, which was how the former target areas were arranged.

The present concept for the CPS RAP is to cover (cap) the lead and PAH impacted soil with clean fill. The original environmental areas of concern area (Areas I through VIII) are no longer applicable to the delineation of impacts associated with the former SAFR. Former areas of concern, I through III, will be capped. Area IV will be remediated through removal of visible lead shot and associated lead impacted soil. Capping will also be accomplished in this area. Area V requires no additional remediation as it is outside the area of impact. Areas VI and VIII will be capped. Area VII is offsite of CPS and is not a part of the current RAP strategy.

### **3.1 SOIL SAMPLING PROCEDURES**

California Environmental mobilized to the site on October 3, 2012 with H&P Drilling to commence the sediment sampling. The XRF lead screening assessment was also initiated. A combination of hydraulic

push borings (0.5 - 2.0 feet deep) and hand auger borings (0.5 feet deep) were excavated at the property. Hand auger equipment was utilized to sample locations that were not accessible using the truck mounted push rig. The field sampling procedures utilized conform to the approved procedures proposed in the Supplemental Site Assessment-II Workplan. Continuous 2-inch diameter by 2-foot long cores were obtained from the hydraulic push borings. The cores were retained in clear acetate liners. Each core segment was observed for the presence of lead shot and clay pigeon debris. Typically, the lead shot pellets were small and were not observed in the cores. The presence of clay pigeon debris and other observations conducted on individual cores are noted on **Table 1- Lead/PAH Content of Soil Samples**. Six-inch long core segments were subsampled (ground surface to 6-inches) from the 2-foot cores in the field for laboratory analysis. The remaining sections of the core were archived at the laboratory. The predominant sediment type encountered in all exploratory borings was a brown to reddish brown silty sand.

The individual soil samples were sieved prior to conducting the analytical testing for heavy metals and PAHs. The procedure included mechanical sieving each individual sample using a No. 4, No. 8, No. 16, and No. 30 sieves. Each sieve fraction was weighed and the clay pigeon debris and lead pellets were segregated (identifiable grains > 0.5 mm). The individual weights for the segregated clay pigeon debris and lead pellets were calculated for each sieve fraction. These data are presented on **Table 1 – CPS Lead/PAH Content of Soil Samples**.

Lead pellets and CPD were removed from the individual sieve fractions prior to chemical analysis. Typically, the majority of the lead pellet fragments were retained on the No. 16 sieve. The lead pellets and lead pellet fragments were weighed and removed from individual fractions before conducting the chemical analysis.

### **3.2. SOIL ANALYTICAL TESTING**

Individual soil samples were transferred from the field to the analytical testing facility under chain of custody. The analytical testing conducted conformed to the test/QA/QC protocols as outlined in the approved Workplan. The testing included analysis for total lead (EPA 6000 series), for soluble lead (STLC/TCLP), and for PAHs (EPA method 8270). The chemical laboratory test reports are attached in **Appendix II**. The analytical testing data is summarized on **Table 1**. As requested by CalEPA DTSC, the results of the analytical testing are presented in terms of the total dry weight of soil. The lead concentrations presented on **Table 1** include the laboratory test result (lab result for total lead) of individual samples following sieving and removal of lead debris. The total lead value reported on **Table 1** includes the weight of lead shot removed during the sieve process.

## 4.0 FINDINGS

A Supplemental Site Investigation (SSI-II) was implemented during October 2012 to further assess the near surface distribution of lead and PAHs in shallow soil at the CPS property. The work included updating the topographic survey with a new aerial flight during September 2012 to support preparation of 40- scale grading plans for use by URS in preparation of the RAP. Field XRF testing for lead and shallow soil sampling using a hydraulic push rig and hand auger equipment was utilized to supplement earlier testing to further refine the extent of lead and PAHs in shallow soil which exceeds site specific screening values. These data were used by URS Corp to define the extent of the proposed remedial measures (Cap) to be implemented at CPS

**Figures 3 through 5** depict lead in shallow soil which exceeds the site specific screening goal of 80 mg/kg. **Figures 6 through 8** depict the areas at CPS where PAHs in shallow soil exceed the screening criteria of 0.9 mg/kg. The occurrences of PAHs in shallow soil that exceed the site-specific screening criteria are widespread within the developed park area and extend southward offsite of CPS.

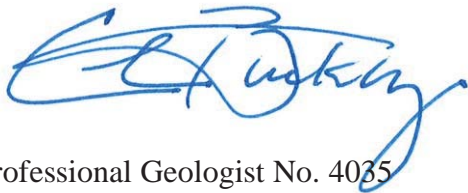
The supplemental assessment has resulted in a well-defined boundary of COCs (lead and PAHs) north and west of the former SAFR. PAH in shallow exceeding the screening criteria extends to the eastern park boundary accompanied with isolated pockets of elevated concentrations of lead in shallow soil. Elevated concentrations of lead in shallow soil typically do not persist south of the former firing line area. However, CPD and associated elevated concentrations of PAHs do occur in shallow soil south of the former firing line extending up the hill-slope offsite of the CPS boundary.

No new areas of lead pellet accumulation on ground surfaces were identified during this SSI (II). The highest concentrations of lead in shallow soil were typically found in shallow soil areas adjacent to the

bedrock outcrops that contain lead pellet debris (See **Figure 3**). Up to 960 mg/kg of lead (lab analysis) was detected in shallow soil in CEB-AIV-16 at 4 inches. Thirteen lead pellets were detected in the shallow soil sample from this location. The total lead concentration of sediment, including the lead pellets from this area is approximately 6,643 mg/kg. Soluble testing on that sample revealed 48 mg/l using the STLC test and 0.91 using the TCLP test.

Capping of the impacted areas as identified on the attached maps should adequately mitigate the lead/PAH contact hazard so the CPS facilities can be safely re-opened to the public.

Respectfully Submitted,



Professional Geologist No. 4035  
Certified Engineering Geologist No. 1250  
Certified Hydrogeologist No. 55



## 5.0 REFERENCES

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USGS 7.5-minute Topographic Map, *Santa Susana Quadrangle*, 1951 Photo Revised 1969.

## **ILLUSTRATIONS**

### **Table of Data**

#### **1. CPS – Lead/PAH Content of Soil Sample**

#### **Logs of Borings – Plates 1- 44**

#### **Figure 1 – Vicinity Map**

#### **Figure 2 – Survey (updated 2012) with Easements**

#### **Figure 3 – Lead in Shallow Soil**

#### **Figure 4 – Lead in Shallow Soil West CPS**

#### **Figure 5 – Lead in Shallow Soil East CPS**

#### **Figure 6 – PAHs in Shallow Soil**

#### **Figure 7 – PAHs in Shallow Soil West CPS**

#### **Figure 8 – PAHs in Shallow Soil East CPS**

**TABLE 1**  
**CPS - Lead/PAH Content of Soil Samples**

Sample Date	American Analytics (AA) Job ID.	AA Sample No.	California Environmental (CE) Sample No. (depth below ground surface in inches)	Clay Pigeon Debris (%) †	Lab Result for PAH's (total) in Soil (mg/kg)	PAH (mg/kg) (Benzo(a)Pyrene) Equivalent	Arsenic in Soil (mg/kg)	Lead Shot (%)	Concentration of Lead Shot per Kg of Soil (mg/kg)	Lab Result for Lead in Soil (mg/kg)	Total Lead Content in Soil (mg/kg)	Lead Shot in Sample (# of pellets)	Lead Shot per Kilogram of Dry Soil (# of pellets)	Comments
<i>Range of Minimum Soil (HHR &amp; ERA) Remediation Goals</i>														
<i>Range of Maximum Soil (HHR &amp; ERA) Remediation Goals</i>														
† - Does not include weight of clay pigeon debris on #30 sieve														
Dec. 2009	9L22010	01A	BKGRND 1	0.54	0.33	3.1	70.0	70	70.0	70.0	70			Title 22 Metals
Dec. 2009	9L22010	02A	BKGRND 2	0.33	0.20	4.3	38.0	38	38.0	38.0	38			Title 22 Metals
Dec. 2009	9L22010	03A	BKGRND 3	<0.01-<0.05	<0.01-<0.05	5.8	23.0	23	23.0	23.0	23			Title 22 Metals
Dec. 2009	9L22010	04A	BKGRND 4	0.0033	<0.0033	8.0	17.0	17	17.0	17.0	17			Title 22 Metals
<b>AREA I - Firing Line &amp; Adjacent Slope</b>														
Dec. 2009	9L16002	01A	CEB-AI-1@0-6IN	--	--	--	--	--	--	--	--			Resample ID 9L30001-01A
Dec. 2009	9L30001	01A	CEB-AI-1@0-6IN	70.5	49.30	5.6	26.0	26	26.0	26.0	26			
Dec. 2009	9L16002	02A	CEB-AI-1@6-12IN			5.1	6.7	7	6.7	6.7	7			
Dec. 2009	9L16002	08A	CEB-AI-2@0-6IN	0.02%	--	--	--	--	--	--	--			Resample ID 9L30001-02A
Dec. 2009	9L30001	02A	CEB-AI-2@0-6IN	0.03%	44.2	30.90	97.0	97	97.0	97.0	97			Resample ID 9L30001-03A
Dec. 2009	9L16002	15A	CEB-AI-3@0-6IN	--	--	--	--	--	--	--	--			
Dec. 2009	9L30001	03A	CEB-AI-3@0-6IN	0.90%	141.5	108.20	6.5	0.034%	340	55.0	395	1	6	Resample ID 9L30001-01A
Dec. 2009	9L16002	16A	CEB-AI-3@6-12IN	0.20%	113.1	--	--	--	--	--	--			
Dec. 2009	9L22007	01A	CEB-AI-3@6-12IN	0.51%	113.0	79.30	6.7	90	90.0	90.0	90			Resample ID 9L22007-04A
Dec. 2009	9L16002	22A	CEB-AI-4@0-6IN	0.08%	--	--	--	--	--	--	--			Resample ID 9L30001-04A
Dec. 2009	9L22007	02A	CEB-AI-4@0-6IN	0.06%	50.3	34.60	5.3	0.040%	403	71.0	403	1	8	Resample ID 9L30001-04A
Dec. 2009	9L30001	04A	CEB-AI-4@0-6IN	0.01%	--	--	--	--	--	--	--			
Dec. 2009	9L16002	23A	CEB-AI-4@6-12IN	0.00%	0.26	0.20	8.2	0.044%	436	436	436	3	10	Resample ID 9L22007-03A
Dec. 2009	9L22007	03A	CEB-AI-4@6-12IN	0.12%	--	--	--	0.045%	445	100.0	545	2	9	Resample ID 9L22007-04A
Dec. 2009	9L16002	29A	CEB-AI-5@0-6IN	0.02%	--	--	--	0.029%	290	290	290	1	4	Resample ID 9L30001-05A
Dec. 2009	9L22007	04A	CEB-AI-5@0-6IN	0.05%	75.0	52.70	6.4	0.036%	359	71.0	71	3	9	Resample ID 9L22007-05A
Dec. 2009	9L16002	30A	CEB-AI-5@6-12IN	0.25%	--	--	--	--	--	--	--			
Dec. 2009	9L22007	05A	CEB-AI-5@6-12IN	0.06%	122	86.30	7.5	0.06%	445	52.0	52			
Dec. 2009	9L22008	01A	CEB-AI-6@0-6IN	3.26%	161	115.20	2.9	0.08%	290	62.0	62			
Dec. 2009	9L22008	07A	CEB-AI-7@0-6IN	0.08%	6.1	4.47	2.5	0.08%	36	36.0	36			
Oct. 2012	2104001-13		CEB AI-8@0-6IN			0.95	5.4	5	5	5.4	5			
Oct. 2012	21004001-14		CEB AI-9@0-6IN			<0.003	9.4	9	9.4	9.4	9			
Oct. 2012	21004001-15		CEB AI-10@0-6IN			0.07	20.0	20	20.0	20.0	20			
Oct. 2012	21004001-17		CEB AI-11@0-6IN	0.01%		6.40	100.0	334	234	100.0	334	1	3	STLC = 4.3
Oct. 2012	21004001-18		CEB AI-12@0-6IN	0.01%		8.20	45.0	163	118	45.0	163	1	3	
Oct. 2012	21004001-19		CEB AI-13@0-6IN	0.01%		1.70	12.0	12	12	12.0	12			
Oct. 2012	2105015-01		CEB AI-14@6IN			0.68	20.0	20	20.0	20.0	20			
Oct. 2012	2105015-02		CEB AI-15@6IN	0.01%		2.90	12.0	12	12.0	12.0	12			

**TABLE 1**  
**CPS - Lead/PAH Content of Soil Samples**

Sample Date	American Analytics (AA) Job ID.	AA Sample No.	California Environmental (CE) Sample No. (depth below ground surface in inches)	Clay Pigeon Debris (%) †	Lab Result for PAH's (total) in Soil (mg/kg)	PAH (mg/kg) (Benzo(a)Pyrene) Equivalent	Arsenic in Soil (mg/kg)	Lead Shot (%)	Concentration of Lead Shot per Kg of Soil (mg/kg)	Lab Result for Lead in Soil (mg/kg)	Total Lead Content in Soil (mg/kg)	Lead Shot in Sample (# of pellets)	Lead Shot per Kilogram of Dry Soil (# of pellets)	Comments
Range of Minimum Soil (HHR & ERA) Remediation Goals														
Range of Maximum Soil (HHR & ERA) Remediation Goals														
† - Does not include weight of clay pigeon debris on #30 sieve														
<b>AREA I - Firing Line &amp; Adjacent Slope (continued)</b>														
Oct. 2012	2105015-03		CEB A1-16@6IN	0.10%		15.00		0.061%	605	19.0	19	6	20	STLC = 2.6
Oct. 2012	2105015-04		CEB A1-17@6IN	0.02%		1.70				71.0	676			
Oct. 2012	2105015-05		CEB A1-18@6IN			0.16				6.5	7			
Oct. 2012	2105015-06		CEB A1-19@6IN	0.00%		4.00				23.0	23			
Oct. 2012	2105015-07		CEB A1-20@6IN	0.89%		4.10				66.0	66			STLC = 0.55
Oct. 2012	2105015-23		CEB A1-20A @4IN			0.12				12.0	12			
Oct. 2012	2105015-24		CEB A1-21@4IN			0.37				11.0	11			
Oct. 2012	2105015-25		CEB A1-22@4IN	0.01%		0.92				5.6	6			
Oct. 2012	2105015-26		CEB A1-23@4IN	0.01%		1.20				8.9	9			
Oct. 2012	2105015-27		CEB A1-24@4IN			0.30				8.2	8			
Oct. 2012	2105015-28		CEB A1-25@4IN	0.01%		3.20				21.0	21			
Oct. 2012	2105015-29		CEB A1-26@4IN	0.01%		3.80		0.026%	256	55.0	311	1	9	STLC = 1.5
<b>Area II - Target Fragmentation</b>														
Dec. 2009	9L17007	01A	CEB-AII-1 @0-6IN	0.02%										Resample ID 9L22007-06A
Dec. 2009	9L22007	06A	CEB-AII-1 @0-6IN	0.01%	53.2	41.90	6.4	0.034%	338	53.0	391	1	11	Resample ID 9L22007-01A
Dec. 2009	9L17007	03A	CEB-AII-1 @12-18IN	0.02%										
Dec. 2009	9L22007	07A	CEB-AII-1 @12-18IN		0.19	0.12	7.3			12.0	12			
Dec. 2009	9L17007	05A	CEB-AII-1 @24-30IN	5.72%	157	108.50								Resample ID 9L22007-08A
Dec. 2009	9L22007	08A	CEB-AII-1 @24-30IN	4.23%					972	400.0	1372	3	24	
Dec. 2009	9L17007	10A	CEB-AII-1 @42-48IN							6.1	6			
Dec. 2009	9L17007	11A	CEB-AII-2 @0-6IN	0.05%	0.65	0.45	7.4			14.0	14			
Dec. 2009	9L17007	13A	CEB-AII-2 @12-18IN	16.43%	46.54	32.50	7.1	0.089%	887	300.0	1187	5	21	
Dec. 2009	9L17007	15A	CEB-AII-2 @24-30IN	1.03%						92.0	92			
Dec. 2009	9L17007	17A	CEB-AII-2 @42-48IN	1.02%						6.5	7			
Dec. 2009	9L17007	21A	CEB-AII-3 @0-6IN	2.53%	9.92	6.69	4.4			30.0	30			
Dec. 2009	9L17007	23A	CEB-AII-3 @12-18IN	0.05%	0.87	0.61	3.0			9.9	10			
Dec. 2009	9L17007	25A	CEB-AII-3 @24-30IN	0.10%			4.0			14.0	14			
Dec. 2009	9L17007	27A	CEB-AII-3 @42-48IN	0.47%			5.4			44.0	44			
Dec. 2009	9L17007	31A	CEB-AII-4 @0-6IN		3.32	2.00	6.2			49.0	49			
Dec. 2009	9L17007	33A	CEB-AII-4 @12-18IN	0.03%	3.71	2.65	9.5			300.0	300	1	6	
Dec. 2009	9L17007	35A	CEB-AII-4 @24-30IN	0.04%			5.4			25.0	25			
Dec. 2009	9L17007	37A	CEB-AII-4 @42-48IN				4.7			46.0	46			



**TABLE 1**  
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Sample Date	American Analytics (AA) Job ID.	AA Sample No.	California Environmental (CE) Sample No. (depth below ground surface in inches)	Clay Pigeon Debris (%) †	Lab Result for PAH's (total) in Soil (mg/kg)	PAH (mg/kg) (Benzo(a)Pyrene) Equivalent	Arsenic in Soil (mg/kg)	Lead Shot (%)	Concentration of Lead Shot per Kg of Soil (mg/kg)	Lab Result for Lead in Soil (mg/kg)	Total Lead Content in Soil (mg/kg)	Lead Shot in Sample (# of pellets)	Lead Shot per Kilogram of Dry Soil (# of pellets)	Comments
			Range of Minimum Soil (HHR & ERA) Remediation Goals											
			Range of Maximum Soil (HHR & ERA) Remediation Goals											
† - Does not include weight of clay pigeon debris on #30 sieve														
<b>Area II - Target Fragmentation (continued)</b>														
Dec. 2009	9L18009	03A	CEB-AII-13@12-18IN	0.17%	70.4	51.50	5.4	0.039%	386	8.5	9	1	8	
Dec. 2009	9L18009	05A	CEB-AII-13@24-30IN				6.6			97.0	483			
Dec. 2009	9L18009	07A	CEB-AII-13@42-48IN				5.8			6.4	6			
Dec. 2009	9L18009	11A	CEB-AII-14@0-6IN	0.06%	173.1	119.10	11.0			110.0	110			
Dec. 2009	9L18009	13A	CEB-AII-14@12-18IN		0.05	0.04	6.1			7.3	7			
Dec. 2009	9L18009	15A	CEB-AII-14@24-30IN	0.02%			5.7			9.1	9			
Dec. 2009	9L18009	17A	CEB-AII-14@42-48IN				6.1			5.2	5			
Dec. 2009	9L18009	21A	CEB-AII-15@0-6IN	0.42%	93.8	64.70	8.1			160.0	160			
Dec. 2009	9L18009	23A	CEB-AII-15@12-18IN	0.00%	0.007	0.01	6.9			24.0	24			
Dec. 2009	9L18009	25A	CEB-AII-15@24-30IN	0.01%			14.0	0.134%	1340	1000.0	2340	9	40	Title 22 Metals
Dec. 2009	9L18009	27A	CEB-AII-15@42-48IN				8.2			9.3	9			
<b>Area III - Shot Accumulation</b>														
Dec. 2009	9L18008	01A	CEB-AIII-1@0-6IN	0.01%	2.14	1.38	5.1	0.032%	321	130.0	451	1	5	
Dec. 2009	9L18008	03A	CEB-AIII-1@12-18IN	0.60%	0.62	0.40	11.0	0.269%	2693	610.0	3303	8	37	Title 22 Metals
Dec. 2009	9L18008	05A	CEB-AIII-1@24-30IN	0.00%			6.7	0.059%	590	230.0	820	2	12	
Dec. 2009	9L18008	07A	CEB-AIII-1@42-48IN				4.9			7.6	8			
Dec. 2009	9L18008	11A	CEB-AIII-2@0-6IN	0.01%	8.5	5.91	7.1	0.126%	1260	290.0	1550	3	34	
Dec. 2009	9L18008	13A	CEB-AIII-2@12-18IN	0.03%	1.3	0.80	8.1	0.049%	493	130.0	623	4	15	
Dec. 2009	9L18008	15A	CEB-AIII-2@24-30IN	0.06%			11.0	0.127%	1265	680.0	1945	5	29	
Dec. 2009	9L18008	17A	CEB-AIII-2@42-48IN	0.29%			26.0	0.115%	1151	2000.0	3151	8	48	Title 22 Metals
Dec. 2009	9L18008	21A	CEB-AIII-3@0-6IN	0.01%	0.82	0.64	12.0			74.0	74			
Dec. 2009	9L18008	23A	CEB-AIII-3@12-18IN	0.20%	0.07	0.05	8.3			27.0	27			
Dec. 2009	9L18008	24A	CEB-AIII-3@18-22IN	0.09%										
Dec. 2009	9L18008	25A	CEB-AIII-3@24-30IN				9.3	0.038%	382	70.0	452	1	6	
Dec. 2009	9L18008	27A	CEB-AIII-3@42-48IN	0.02%			7.4	0.039%	391	14.0	405	1	4	
Dec. 2009	9L18008	31A	CEB-AIII-4@0-6IN	0.67%	5.04	3.30	6.3			38.0	38			
Dec. 2009	9L18008	33A	CEB-AIII-4@12-18IN	0.05%	0.26	0.17	5.7			11.0	11			
Dec. 2009	9L18008	35A	CEB-AIII-4@24-30IN	0.03%			5.4	0.060%	603	32.0	635	1	8	
Dec. 2009	9L18008	37A	CEB-AIII-4@42-48IN				5.1			6.0	6			
Oct. 2012	2104001-01		CEB-AIII-5@0-6IN	0.07%		<0.003				25.0	25			
Oct. 2012	2104001-16		CEB-AIII-6@0-6IN			1.90		0.099%	990	130.0	1120	2	18	STL:C = 5.4; TCLP = 0.11

**TABLE 1**

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Sample Date	American Analytics (AA) Job ID.	AA Sample No.	California Environmental (CE) Sample No. (depth below ground surface in inches)	Clay Pigeon Debris (%) †	Lab Result for PAH's (total) in Soil (mg/kg)	PAH (mg/kg) (Benzo(a)Pyrene) Equivalent	Arsenic in Soil (mg/kg)	Lead Shot (%)	Concentration of Lead Shot per Kg of Soil (mg/kg)	Lab Result for Lead in Soil (mg/kg)	Total Lead Content in Soil (mg/kg)	Lead Shot in Sample (# of pellets)	Lead Shot per Kilogram of Dry Soil (# of pellets)	Comments
Range of Minimum Soil (HHR & ERA) Remediation Goals														
Range of Maximum Soil (HHR & ERA) Remediation Goals														
† - Does not include weight of clay pigeon debris on #30 sieve														
<b>Area IV - Visible Lead Pellets</b>														
Dec. 2009	9L18007	01A	CEB-AIV-1@0-6IN		0.25	0.19	7.2	0.070%	705	72.0	777	2	13	
Dec. 2009	9L18007	03A	CEB-AIV-1@12-18IN		<0.01	<0.01	7.0			9.5	10			
Dec. 2009	9L18007	05A	CEB-AIV-1@24-30IN				7.2			12.0	12			
Dec. 2009	9L18007	07A	CEB-AIV-1@42-48IN				6.9			6.5	7			
Dec. 2009	9L18007	11A	CEB-AIV-2@0-6IN	0.02%	0.18	0.13	11.0	0.900%	8995	580.0	9575	24	159	Title 22 Metals
Dec. 2009	9L18007	13A	CEB-AIV-2@12-18IN	0.09%	<0.01	<0.01	9.2	0.026%	259	42.0	301	1	4	
Dec. 2009	9L18007	15A	CEB-AIV-2@24-30IN	0.04%			14.0			5.8	6			
Dec. 2009	9L18007	17A	CEB-AIV-2@42-48IN				7.5			210.0	210			
Dec. 2009	9L18007	21A	CEB-AIV-3@0-6IN	0.13%	167.85	111.75	6.4			6.4	6			
Dec. 2009	9L18007	23A	CEB-AIV-3@12-18IN		<0.01	<0.01	3.5			11.0	11			
Dec. 2009	9L18007	25A	CEB-AIV-3@24-30IN				5.4			7.1	7			
Dec. 2009	9L18007	27A	CEB-AIV-3@42-48IN				4.6			150.0	1993	6	29	
Dec. 2009	9L18007	29A	CEB-AIV-4@0-6IN		0.04	0.03	6.2	0.184%	1843	5.8	6			
Dec. 2009	9L18007	31A	CEB-AIV-4@12-18IN		<0.01	<0.01	6.5			20.0	314	1	5	
Dec. 2009	9L18007	33A	CEB-AIV-4@24-30IN				8.1	0.029%	294	6.2	6			
Dec. 2009	9L18007	35A	CEB-AIV-4@42-48IN				9.6			61.0	61			
Dec. 2009	9L18007	37A	CEB-AIV-4@72-96IN				7.8			12.0	12			
Dec. 2009	9L18007	39A	CEB-AIV-5@0-6IN	0.01%	4.49	3.07	4.6			100.0	354	1	8	
Dec. 2009	9L18007	41A	CEB-AIV-5@12-18IN		<0.01	<0.01	5.8	0.025%	254	7.2	7			
Dec. 2009	9L18007	43A	CEB-AIV-5@24-30IN	0.01%			5.2			100.0	350	1	3	STLC = 8.3
Dec. 2009	9L18007	45A	CEB-AIV-5@42-48IN							35.0	35			
Oct. 2012	2104001-02		CEB-AIV-6@2IN			2.00				9.0	9			
Oct. 2012	2104001-03		CEB-AIV-7@0-6IN			0.06				5.9	6			
Oct. 2012	2104001-04		CEB-AIV-8@0-6IN	0.01%		<0.003				390.0	2349	10	33	STLC = 26; TCLP = 1.1
Oct. 2012	2104001-05		CEB-AIV-9@0-6IN			<0.003				200.0	1122	6	22	STLC = 54; TCLP = 0.47
Oct. 2012	2105015-16		CEB-AIV-10@6IN	0.88%		5.20		0.196%	1959	580.0	3336	17	50	STLC = 42; TCLP = 1.8
Oct. 2012	2105015-17		CEB-AIV-11@6IN	0.44%		3.80		0.092%	922	300.0	1564	9	23	STLC = 24; TCLP = 0.70
Oct. 2012	2105015-18		CEB-AIV-12@6IN	0.01%		1.90		0.276%	2756	480.0	480	6	34	STLC = 13; TCLP = 0.45
Oct. 2012	2105015-19		CEB-AIV-13@6IN	0.89%		9.60		0.126%	1264	250.0	3094	13	87	STLC = 48; TCLP = 0.91
Oct. 2012	2105015-20		CEB-AIV-14@4IN	0.01%		1.90				960.0	6643			
Oct. 2012	2105015-21		CEB-AIV-15@4IN	0.03%		0.41		0.284%	2844					
Oct. 2012	2105015-22		CEB-AIV-16@4IN	4.67%		0.13		0.568%	5683					

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Sample Date	American Analytics (AA) Job ID.	AA Sample No.	California Environmental (CE) Sample No. (depth below ground surface in inches)	Clay Pigeon Debris (%) †	Lab Result for PAH's (total) in Soil (mg/kg)	PAH (mg/kg) (Benzo(a)Pyrene) Equivalent	Arsenic in Soil (mg/kg)	Lead Shot (%)	Concentration of Lead Shot per Kg of Soil (mg/kg)	Lab Result for Lead in Soil (mg/kg)	Total Lead Content in Soil (mg/kg)	Lead Shot in Sample (# of pellets)	Lead Shot per Kilogram of Dry Soil (# of pellets)	Comments
			Range of Minimum Soil (HHR & ERA) Remediation Goals			0.04-19				61-80				
			Range of Maximum Soil (HHR & ERA) Remediation Goals			0.9-762				320-7081				
† - Does not include weight of clay pigeon debris on #30 sieve														
<b>Area V - Former Pond</b>														
Dec. 2009	9L18007	49A	CEB-AV-1@0-6IN	0.01%	0.44	0.30	12.0			32.0	32			
Dec. 2009	9L18007	50A	CEB-AV-1@18-24IN		0.009	0.01	6.2			7.8	8			
Dec. 2009	9L18007	51A	CEB-AV-1@54-60IN				8.5			16.0	16			
<b>Area VI - Surface/Subsurface Drainage</b>														
Dec. 2009	9L21003	01A	CEB-AVI-1@0-6IN	0.01%	5.15	3.46	3.9			66.0	66			Not analyzed.
Dec. 2009	9L21003	02A	CEB-AVI-1@6-12IN	0.05%										
Dec. 2009	9L21003	03A	CEB-AVI-1@12-18IN	0.03%	11.07	7.47	7.6			230.0	230			
Dec. 2009	9L21003	05A	CEB-AVI-1@24-30IN	0.02%			7.7			570.0	570			
Dec. 2009	9L21003	11A	CEB-AVI-2@0-6IN	0.01%	5.0	2.48	5.7			110.0	110			
Dec. 2009	9L21003	13A	CEB-AVI-2@12-18IN	0.55%	2.65	1.79	8.0			100.0	100			
Dec. 2009	9L21003	15A	CEB-AVI-2@24-30IN	0.04%			7.8	0.032%	323	60.0	383	1	5	
Dec. 2009	9L21003	21A	CEB-AVI-3@0-6IN	0.00%	34.7	24.54	6.8	0.104%	1044	77.0	1121	3	15	
Dec. 2009	9L21003	23A	CEB-AVI-3@12-18IN	0.13%	31.8	23.08	7.4	0.048%	478	73.0	551	2	7	
Dec. 2009	9L21003	25A	CEB-AVI-3@24-30IN	0.16%			6.7			110.0	110			
Dec. 2009	9L21003	31A	CEB-AVI-4@0-6IN	0.07%	3.38	2.39	4.5			39.0	39			
Dec. 2009	9L21003	33A	CEB-AVI-4@12-18IN	0.24%	8.12	5.75	5.9			22.0	22			
Dec. 2009	9L21003	35A	CEB-AVI-4@24-30IN				7.6			8.5	9			
Dec. 2009	9L21003	41A	CEB-AVI-5@0-6IN	0.06%	13.6	9.48	5.8	0.060%	599	180.0	779	2	15	
Dec. 2009	9L21003	43A	CEB-AVI-5@12-18IN	0.60%	2.18	1.46	6.8	0.022%	218	20.0	238	1	4	
Dec. 2009	9L21003	45A	CEB-AVI-5@24-30IN	0.35%			6.1	0.180%	1796	190.0	1986	13	39	
Dec. 2009	9L21003	51A	CEB-AVI-6@0-6IN	0.02%	32.5	22.34	7.1			270.0	270			
Dec. 2009	9L21003	53A	CEB-AVI-6@12-18IN		0.13	0.10	7.2			8.1	8			STLC = 3.5
Dec. 2009	9L21003	55A	CEB-AVI-6@24-30IN	0.06%			6.3			42.0	42			STLC = 6.1
Oct. 2012	2105012-08		CEB-AVI-7@2IN	0.86%		5.80		0.022%	219	88.0	307	1	4	
Oct. 2012	2105012-09		CEB-AVI-8@2IN	0.88%		18.00		0.010%	96	92.0	188	1	3	
Oct. 2012	2105012-10		CEB-AVI-9@2IN			0.03				8.2	8			
Oct. 2012	2105012-11		CEB-AVI-10@2IN	0.02%		1.60				17.0	17			
Oct. 2012	2105012-12		CEB-AVI-11@2IN	0.00%		0.94				15.0	15			
Oct. 2012	2105012-13		CEB-AVI-12@2IN	0.41%		1.70		0.016%	162	71.0	233	1	4	
Oct. 2012	2105012-14		CEB-AVI-13@2IN			0.39				17.0	17			
Oct. 2012	2105012-15		CEB-AVI-14@2IN	3.18%		43.00		0.267%	2757	620.0	3377	15	67	STLC = 39; TCLP = 1.8



# LOG OF BORING CEB-AI-3

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/16/09
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, dark brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
1	SD	6-12 inches. Silty sand, dark brown, moist, small clay pigeon fragments.	SM				
2	SD	12-24 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
3							
4	SD	24-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand to sandy silt, dark brown, small rootlets, slightly moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand to sandy silt, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, reddish brown to brown, slightly moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AI-4

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/16/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, dark brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM			[Red patterned graphic log bar]	
1	SD	6-12 inches. Silty sand, dark brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
2	SD	12-24 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
3							
4	SD	24-48 inches. Silty sand, dark brown, firm, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand, dark brown moist, firm, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, dark brown, firm, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, dark brown, firm, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AI-5

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/16/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, dark brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
1	SD	6-12 inches. Silty sand, dark brown, no visible lead shot or clay pigeon debris.	SM				
2	SD	12-24 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
3	SD	24-40 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
4							
5	SD	54 inches. Silty sand, yellowish brown, moist, no visible lead shot or clay pigeon debris.	SM				
6		54-72 inches. Silty sand, dark brown, moist, dense, no visible lead shot or clay pigeon debris.	SM				
6							
7							
8	SD	72-96 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Sandy silt to silty sand, dark brown, very moist, no visible lead shot or clay pigeon debris.	ML/SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AI-6

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/21/09
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b>
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Hand auger
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 1.5 inch
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Unpaved

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	<b>SD</b>	0-6 inches. Silty sand, brown, moist, no visible lead shot, abundant, clay pigeon debris on ground surface.	SM				
1	<b>SD</b>	6-12 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
2	<b>SD</b>	18-24 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
	<b>SD</b>	24-30 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
3	<b>SD</b>	30-36 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 3 feet, no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AI-7

<b>JOB NUMBER:</b> GE1093-741 <b>CLIENT NAME:</b> City of Los Angeles <b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311 <b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist <b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>DATE:</b> 12/21/09 <b>DRILL RIG:</b> <b>SAMPLING METHOD:</b> Hand auger <b>BORING DIAMETER:</b> 2 inch <b>SURFACE CONDITIONS:</b> Grass
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Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0		Scattered clay pigeon debris on ground surface.					
1	SD	0-12 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM			[Dotted Pattern]	
2	SD	12-18 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
		18-24inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
3		24-36 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 3 ft., no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
 D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AII-1

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/17/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, dark brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
1	SD	6-12 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
	SD	12-18 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
2	SD	18-22 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
	SD	24-30 inches. Silty sand, brown, moist, no visible lead shot, clay pigeon fragments @ 30 in.	SM				
3							
4	SD	30-48 inches. Silty sand, brown, moist, no visible lead shot, clay pigeon fragments @ 36 in.	SM				
5							
6	SD	48-72 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris. Transition to reddish brown @ 60 in.	SM				
7							
8	SD	72-96 inches. Silty sand, reddish brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, brown to reddish brown, firm, moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil W=Water V=Vapor  
D=Drive G=Grab N=No Recovery

# LOG OF BORING CEB-AII-2

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/17/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, dark brown to yellowish brown, firm, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
1	SD	6-12 inches. Silty sand, dark brown, some asphalt, moist, no visible lead shot or clay pigeon debris.	SM				
	SD	12-18 inches. Silty sand, some asphalt, dark brown to brown, moist, no visible lead shot or clay pigeon debris.	SM				
	SD	18-22 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
2	SD	24-30 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
3	SD	30-42 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
4		42-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand, fine grained, reddish brown, slightly moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, light reddish brown, slightly moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, light brown, slightly moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil W=Water V=Vapor  
 D=Drive G=Grab N=No Recovery

# LOG OF BORING CEB-AII-3

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/17/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, dark brown, fine grained, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
1	SD	6-12 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
	SD	12-18 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
	SD	18-22 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
2	SD	24-30 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
3	SD	30-42 inches. Silty sand, brown to dark brown, moist, accumulation of clay pigeon debris at 32-38 in.	SM				
4		42-48 inches. Occasional clay pigeon fragments.	SM				
5							
6	SD	48-72 inches. Silty sand, small clay pigeon fragments.	SM				
7							
8	SD	72-96 inches. Silty sand, occasional clay pigeon fragments.	SM				
9							
10	SD	96-120 inches. Silty sand, brown, small clay pigeon fragments.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil W=Water V=Vapor  
D=Drive G=Grab N=No Recovery

# LOG OF BORING CEB-AII-4

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/17/09	<b>CLIENT NAME:</b> City of Los Angeles
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	<b>SAMPLING METHOD:</b> Continuous Core
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand to sandy silt, brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
1	SD	6-12 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
	SD	12-18 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
	SD	18-22 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
2	SD	24-30 inches. Silty sand to sandy silt, dark brown to reddish brown, moist, no visible lead shot or clay pigeon debris.	SM				
3	SD	30-42 inches. Sandy silt, reddish brown, slightly moist, no visible lead shot or clay pigeon debris.	ML				
4		42-48 inches. Silty silt, reddish brown, slightly moist, no visible lead shot or clay pigeon debris.	ML				
5							
6	SD	48-72 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, brown to yellowish brown, firm, moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type:    S=Soil    W=Water    V=Vapor  
                           D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AII-5

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/17/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty, brown, rootlets, moist, no visible lead shot or clay pigeon fragments.	SM				
1	SD	6-12 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon fragments.	SM				
	SD	12-18 inches. Silty sand, brown, moist, no visible lead shot or small clay pigeon fragments.	SM				
	SD	18-22 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
2	SD	24-30 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
3							
4		42-48 inches. Silty sand, brown, slightly moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, brown, moist, no lead, no clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil W=Water V=Vapor  
 D=Drive G=Grab N=No Recovery










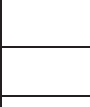
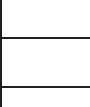
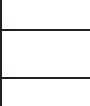

# LOG OF BORING CEB-AII-6

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/17/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty silt, dark brown, moist, rootlets, no visible lead shot or clay pigeon debris.	ML				
1	SD	6-12 inches. Silty sand, dark brown, moist, rootlets, no visible lead shot or clay pigeon debris.	SM				
	SD	12-18 inches. Silty sand, yellowish brown, moist, no visible lead shot or clay pigeon debris.	SM				
	SD	18-22 inches. Silty sand, yellowish brown, moist, no visible lead shot or clay pigeon debris.	SM				
2	SD	24-30 inches. Poor recovery. Silty sand, yellowish brown, moist, no visible lead shot or clay pigeon debris.	SM				
		30-42 inches. Silty sand, yellowish brown, moist, no visible lead shot or clay pigeon debris.	SM				
3							
4		42-48 inches. Silty sand, yellowish brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand, fine grained, light reddish brown, moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, fine grained, light reddish brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, fine grained, yellowish brown, slightly moist, no lead, no clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

# LOG OF BORING CEB-AII-7

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/17/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Clayey sand, brown, moist, no visible lead shot, some clay pigeon fragments.	SC				
1	SD	6-12 inches. Silty sand, brown, moist, no visible lead shot, some clay pigeon fragments.	SM				
	SD	12-18 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
2	SD	24-30 inches. Silty sand, brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
3							
4	SD	42-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, brown, slightly moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type:      S=Soil      W=Water      V=Vapor  
                          D=Drive      G=Grab      N=No Recovery

# LOG OF BORING CEB-AII-8

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/17/09	<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass		

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, brown, rootlets, moist, no visible lead shot, some clay pigeon fragments.	SM			[Patterned]	
1	SD	6-12 inches. Silty sand, brown, moist, no visible lead shot, occasional clay pigeon fragments.	SM				
	SD	12-22 inches. Silty sand, brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
2							
3							
4							
5							
6	SD	48-72 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Sandy silt, brown, moist, fine grained, no visible lead shot or clay pigeon debris.	SM				[Patterned]
9						[Patterned]	
10	SD	96-120 inches. Silty sand with some gravel, reddish brown, moist, no visible lead shot or clay pigeon debris.	SM			[Patterned]	
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AII-9

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/17/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
1	SD	6-12 inches. Silty sand, brown, rootlets, moist, no visible lead shot, occasional clay pigeon debris.	SM				
	SD	12-18 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
2	SD	24-48 inches. Sandy silt, reddish brown, slightly moist, no visible lead shot or clay pigeon debris.	ML				
3							
4							
5							
6	SD	48-72 inches. Sandy silt, reddish brown, slightly moist, no visible lead shot or clay pigeon debris.	ML				
7							
8	SD	72-96 inches. Silty sand, brown, fine grain, slightly moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, reddish brown, fine grain, slightly moist, no lead, no clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
 D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AII-10

<b>JOB NUMBER:</b> GE1093-741 <b>CLIENT NAME:</b> City of Los Angeles <b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311  <b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist  <b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>DATE:</b> 12/17/09 <b>DRILL RIG:</b> Geoprobe - Hydraulic Push <b>SAMPLING METHOD:</b> Continuous Core  <b>BORING DIAMETER:</b> 2 inch <b>SURFACE CONDITIONS:</b> Grass
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Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM			[Patterned]	
1	SD	6-18 inches. Silty sand, brown, rootlets, moist, no visible lead shot or some clay pigeon debris.	SM				
	SD	18-22 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
2	SD	24-48 inches. Partial recovery.					
3		30-42 inches. No sample.					
4							
5							
6	SD	48-72 inches. Silty sand, brown, firm, fine grain, moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, brown, firm, fine grain, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, brown, fine grain, moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type:      S=Soil      W=Water      V=Vapor  
 D=Drive      G=Grab      N=No Recovery

# LOG OF BORING CEB-AII-11

<b>JOB NUMBER:</b> GE1093-741 <b>CLIENT NAME:</b> City of Los Angeles <b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311 <b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist <b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>DATE:</b> 12/17/09 <b>DRILL RIG:</b> Geoprobe - Hydraulic Push <b>SAMPLING METHOD:</b> Continuous Core  <b>BORING DIAMETER:</b> 2 inch <b>SURFACE CONDITIONS:</b> Grass
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Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Sandy silt, dark brown, slightly moist, no visible lead shot or clay pigeon debris.	ML				
1	SD	6-12 inches. Silty sand, brown, moist, no visible lead shot or some clay pigeon debris.	SM				
	SD	12-18 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
		18-22 inches.					
2	SD	24-30 inches. Silty sand, light brown, slightly moist, no visible lead shot or clay pigeon debris.	SM				
3	SD	30-42 inches. Silty sand, light brown, rootlets, slightly moist, no visible lead shot or clay pigeon debris.	SM				
4	SD	42-48 inches. Silty sand, light brown, slightly moist, no visible lead shot or clay pigeon debris.	SM				
5							
6							
7	SD	48-72 inches. Sandy silt, light brown, slightly moist, no visible lead shot or clay pigeon debris.	ML				
8	SD	72-96 inches. Sandy silt, light brown, slightly moist, no visible lead shot or clay pigeon debris.	ML				
9							
10	SD	96-120 inches. Sandy silt, light brown, slightly moist, no lead, no clay pigeon debris.	ML				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type:      S=Soil      W=Water      V=Vapor  
                          D=Drive      G=Grab      N=No Recovery

# LOG OF BORING CEB-AII-12

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/17/09
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, brown, moist, rootlets, no visible lead shot or clay pigeon debris.	SM			[Patterned]	
1	SD	6-12 inches. Silty sand, brown, moist, rootlets, no visible lead shot or some clay pigeon debris.	SM				
	SD	12-24 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
2	SD	24-30 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
3	SD	30-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
4							
5							
6							
7	SD	48-72 inches. Silty sand to sandy silt, brown, fine grained, slightly moist, no visible lead shot or clay pigeon debris.	SM				
8	SD	72-96 inches. Silty sand, brown, fine grain, slightly moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, brown, fine grain, slightly moist, no lead, no clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
 D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AII-13

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/18/09
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, dark brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
1	SD	6-12 inches. Silty sand, brown, moist, rootlets, no visible lead shot or some clay pigeon debris.	SM				
2	SD	12-24 inches. Silty sand, dark brown, no visible lead shot or clay pigeon debris.	SM				
3							
4	SD	24-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6							
7	SD	48-72 inches. Sandy silt, reddish brown, slightly moist, no visible lead shot or clay pigeon debris.	ML				
8	SD	72-96 inches. Sandy silt, reddish brown, slightly moist, no visible lead shot or clay pigeon debris.	ML				
9							
10	SD	96-120 inches. Sandy silt, reddish brown, slightly moist, no lead, no clay pigeon debris.	ML				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AII-14

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/18/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
1	SD	6-12 inches. Silty sand, dark brown, moist, no visible lead shot or some clay pigeon debris.	SM				
	SD	12-18 inches. Silty sand, dark brown, moist, no visible lead shot or some clay pigeon debris.	SM				
	SD	18-22 inches. Silty sand, dark brown, moist, no visible lead shot or some clay pigeon debris.	SM				
2	SD	24-30 inches. Silty sand, dark brown, moist, rootlets, no visible lead shot or clay pigeon debris.	SM				
3							
4		42-48 inches. Silty sand, reddish brown, slightly moist, no visible lead shot or some clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand, light reddish brown, firm, slightly moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, light brown, slightly moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, light brown, firm, slightly moist, no lead, no clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type:      S=Soil      W=Water      V=Vapor  
 D=Drive      G=Grab      N=No Recovery

# LOG OF BORING CEB-AII-15

<b>JOB NUMBER:</b> GE1093-741 <b>CLIENT NAME:</b> City of Los Angeles <b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311  <b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist  <b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>DATE:</b> 12/18/09 <b>DRILL RIG:</b> Geoprobe - Hydraulic Push <b>SAMPLING METHOD:</b> Continuous Core  <b>BORING DIAMETER:</b> 2 inch <b>SURFACE CONDITIONS:</b> Grass
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Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0							
1	SD	0-12 inches. Silty sand, dark brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM			[Patterned]	
2	SD	12-24 inches. Silty sand, dark brown, moist, no visible lead shot or some clay pigeon debris.	SM				
3							
4	SD	24-48 inches. Silty sand, dark brown, fine grain, slightly moist, no visible lead shot or clay pigeon debris.	SM			[Patterned]	
5							
6	SD	48-72 inches. Sandy silt, brown, moist, no visible lead, occasional clay pigeon debris.	ML			[Patterned]	
7							
8	SD	72-96 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM			[Patterned]	
9							
10	SD	96-120 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type:    S=Soil    W=Water    V=Vapor  
                          D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AIII-1

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/18/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0		0-6 inches. Silty sand, brown, moist, rootlets, no visible lead shot or clay pigeon debris.	SM			[Dotted Pattern]	
1	SD	6-24 inches. Silty sand, brown, moist, rootlets, no visible lead shot or some clay pigeon debris.					
2	SD		SM				
3		24-48 inches. Silty sand, brown, fine grained, moist, no visible lead shot or clay pigeon debris.					
4	SD		SM				
5			48-72 inches. Sandy silt, brown, slightly moist, no visible lead shot or some clay pigeon debris.				[Horizontal Lines]
6	SD	ML					
7		72-96 inches. Sandy silt, brown, slightly moist, no visible lead shot or clay pigeon debris.					
8	SD		ML				
9			96-120 inches. Sandy silt, reddish brown, slightly moist, no lead, no clay pigeon debris.				[Horizontal Lines]
10	SD	ML					
		End @ 10 ft. Backfilled with bentonite chip, groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
 D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AIII-2

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/18/09
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0							
1	SD	0-12 inches. Silty sand, brown, moist, rootlets, no visible lead shot or clay pigeon debris.	SM				
2	SD	12-24 inches. Silty sand, brown, moist, firm, no visible lead shot or some clay pigeon debris.	SM				
3							
4	SD	24-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand, reddish brown, slightly moist, no visible lead shot or some clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, reddish brown, slightly moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Sandy silt, reddish brown, slightly moist, no lead, no clay pigeon debris.	ML				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil W=Water V=Vapor  
D=Drive G=Grab N=No Recovery

# LOG OF BORING CEB-AIII-3

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/18/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0		0-6 inches. Silty sand, brown, moist, rootlets, no visible lead shot or clay pigeon debris.	SM				
1	SD	6-12 inches. Sandy silt, reddish brown, slightly moist, no visible lead shot or clay pigeon debris.	ML				
2	SD	12-24 inches. Silty sand, reddish brown, slightly moist, no visible lead shot or some clay pigeon debris.	SM				
3							
4	SD	24-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand fine grain, reddish brown, slightly moist, no visible lead shot or some clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, reddish brown, very firm, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, reddish brown, firm, slightly moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
 D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AIII-4

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/18/09
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-12 inches. Silty sand, brown, moist, rootlets, no visible lead shot or clay pigeon debris.	SM			[Pattern]	
1	SD	12-24 inches. Silty sand, brown, moist, no visible lead shot or some clay pigeon debris.	SM			[Pattern]	
2	SD	24-30 inches. Silty sand, reddish brown, firm, fine grained, slightly moist, no visible lead shot or clay pigeon debris.	SM			[Pattern]	
3						[Pattern]	
4						[Pattern]	
5						[Pattern]	
6	SD	48-72 inches. Silty sand, reddish brown, fine grained, slightly moist, no visible lead shot or clay pigeon debris.	SM			[Pattern]	
7						[Pattern]	
8	SD	72-96 inches. Silty sand, reddish brown, slightly moist, no visible lead shot or clay pigeon debris.	SM			[Pattern]	
9						[Pattern]	
10	SD	96-120 inches. Silty sand, reddish brown, slightly moist, no visible lead or clay pigeon debris.	SM			[Pattern]	
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

# LOG OF BORING CEB-AIV-1

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/18/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram	
0	SD	0-6 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM					
1	SD	6-22 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM					
2	SD	24-30 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM					
3								
4								
5								
6	SD	48-72 inches. Silty sand to sandy silt, brown, slightly moist, no visible lead shot or clay pigeon debris.	SM					
7								
8	SD	72-96 inches. Silty sand, reddish brown, slightly moist, no visible lead shot or clay pigeon debris.	SM					
9								
10	SD	96-120 inches. Silty sand, reddish brown, slightly moist, no visible lead or clay pigeon debris.	SM					
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.						

†Sample Type:     S=Soil     W=Water     V=Vapor  
                            D=Drive     G=Grab     N=No Recovery

# LOG OF BORING CEB-AIV-2

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/18/09
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, dark brown, wet, no visible lead shot or clay pigeon debris.	SM				
1	SD	6-24 inches. Silty sand, yellowish brown, moist, no visible lead shot or clay pigeon debris.	SM				
2							
3							
4	SD	48 inches. Silty sand, brown, firm, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6							
7							
8	SD	72-96 inches. Silty sand, yellowish brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, brown, firm, moist, no visible lead or clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type:    S=Soil    W=Water    V=Vapor  
                       D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AIV-3

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/18/09
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0							
1	SD	0-12 inches. Silty sand, dark brown, moist, firm, no visible lead shot, occasional clay pigeon debris.	SM			0-12 inches	
2	SD	12-24 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM			12-24 inches	
3							
4							
5	SD	36-60 inches. Silty sand, yellowish brown, slightly moist, no visible lead shot or clay pigeon debris.	SM			36-60 inches	
6		Refusal at 5 ft., no groundwater.					
7							
8							
9							
10							

†Sample Type: S=Soil    W=Water    V=Vapor  
D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AIV-4

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/18/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0							
1							
2	SD	0-24 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
3							
4	SD	24-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Sandy silt, yellowish brown, slightly moist, no visible lead shot or clay pigeon debris.	ML				
7							
8	SD	72-96 inches. Sandy silt, reddish brown, slightly moist, no visible lead shot or clay pigeon debris.	ML				
9							
10	SD	96-120 inches. Sandy silt, yellowish brown, slightly moist, no visible lead or clay pigeon debris	ML				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type:     S=Soil     W=Water     V=Vapor  
 D=Drive     G=Grab     N=No Recovery

# LOG OF BORING CEB-AIV-5

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/18/09
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM			[Patterned]	
1	SD						
2	SD	6-24 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
3							
4		24-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, brown, firm, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, brown, firm, moist, no visible lead or clay pigeon debris.	SM				
		End @ 10 ft. Backfilled with bentonite chip, no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AV-1

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/2/09
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Hand Auger
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Grab
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 3 inch
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Lawn

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	<b>SD</b>	0-6 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
1	<b>SD</b>	6-12 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
2		24-36 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
3							
4							
5	<b>SD</b>	36-60 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
6		End @ 5 ft. Refusal, no groundwater.					
7							
8							
9							
10							

†Sample Type:

**S=Soil**    **W=Water**    **V=Vapor**  
**D=Drive**    **G=Grab**    **N=No Recovery**

# LOG OF BORING CEB-AVI-1

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/21/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 1.5 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Lawn	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, brown, moist, rootlets, no visible lead shot or clay pigeon debris.	SM				
1							
2	SD	6-24 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
3							
4	SD	24-48 inches. Partial recovery. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon.	SM				
		End @ 10 ft., no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AVI-2

<b>JOB NUMBER:</b>	GE1093-741	<b>DATE:</b>	12/21/09
<b>CLIENT NAME:</b>	City of Los Angeles	<b>DRILL RIG:</b>	Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b>	22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b>	Continuous Core
<b>LOGGED BY:</b>	Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b>	2 inch
<b>REVIEWED BY:</b>	Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b>	Grass

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Sandy silt, brown, moist, small rootlets, no visible lead shot or clay pigeon debris.	ML/SM				
1	SD	6-12 inches. Sandy silt, brown, moist, small rootlets, no visible lead shot or clay pigeon debris.	ML				
		12-18 inches. Sandy silt, brown, moist, no visible lead shot, some clay pigeon fragments.	ML				
2		18-24 inches. Sandy silt, brown, moist, no visible lead shot or clay pigeon debris.	ML				
3							
4	SD	24-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft., no groundwater.					

†Sample Type:    S=Soil    W=Water    V=Vapor  
                       D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AVI-3

<b>JOB NUMBER:</b> GE1093-741 <b>CLIENT NAME:</b> City of Los Angeles <b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311 <b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist <b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>DATE:</b> 12/21/09 <b>DRILL RIG:</b> Geoprobe - Hydraulic Push <b>SAMPLING METHOD:</b> Continuous Core <b>BORING DIAMETER:</b> 2 inch <b>SURFACE CONDITIONS:</b> Grass
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Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
1	SD	6-12 inches. No visible lead shot or clay pigeon debris.	SM				
	SD	12-24 inches. No visible lead shot or clay pigeon debris.	SM				
	SD		SM				
2	SD	24-30 inches. Silty sand, brown, moist, no visible lead shot, some clay pigeon fragments.	SM				
3	SD	30-42 inches. Silty sand, brown, moist, no visible lead shot, occasional clay pigeon fragments.	SM				
4		42-48 inches. Silty sand, brown, moist, no visible lead shot, some clay pigeon fragments.					
5							
6	SD	48-72 inches. Silty sand, brown, moist, no visible lead shot, some clay pigeon fragments.	SM				
7							
8	SD	72-96 inches. Silty sand, brown, moist, no visible lead shot, one small clay pigeon fragment.	SM				
9							
10	SD	96-120 inches. Silty sand, brown, moist, firm, grain, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft., no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
 D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AVI-4

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/21/09
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
1		6-12 inches. Silty sand, brown, moist, no visible lead shot, occasional clay pigeon fragments at 12 inches.	SM				
2	SD	12-24 inches. Silty sand, brown, moist, no visible lead shot, some clay pigeon fragments.	SM				
3							
4	SD	24-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft., no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
                   D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AVI-5

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/21/09
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0							
1	SD	6-12 inches. Silty sand, coarse to medium grained, brown, moist to wet, no visible lead shot or clay pigeon debris.	SM			[Patterned Area]	
	SD	12-22 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
2							
3	SD	24-42 inches. Silty sand, brown, moist to wet, no visible lead shot or clay pigeon debris.	SM				
4	SD	42-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6		48-72 inches. Silty sand, brown moist, rootlets, no visible lead shot, clay pigeon fragment at 48 inches.	SM				
7							
8	SD	72-96 inches. Silty sand, brown, moist, rootlets, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	96-120 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft., no groundwater.					

†Sample Type:     S=Soil     W=Water     V=Vapor  
                         D=Drive     G=Grab     N=No Recovery

# LOG OF BORING CEB-AVI-6

<b>JOB NUMBER:</b> GE1093-741 <b>CLIENT NAME:</b> City of Los Angeles <b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>DATE:</b> 12/21/09 <b>DRILL RIG:</b> Geoprobe - Hydraulic Push <b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch <b>SURFACE CONDITIONS:</b> Grass	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55		

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	<b>SD</b>	0-6 inches. Silty sand, brown, very moist, no visible lead shot or clay pigeon debris.	SM				
1		6-12 inches. Silty sand, brown, wet, clay, no visible lead shot, occasional clay pigeon fragments.	SM				
	<b>SD</b>	12-24 inches. Silty sand, brown, wet-moist, no visible lead shot, occasional clay pigeon fragments.	SM				
2							
3							
4	<b>SD</b>	24-48 inches. Silty sand, brown, wet, no visible lead shot or clay pigeon debris.	SM				
5							
6	<b>SD</b>	48-72 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	<b>SD</b>	72-96 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	<b>SD</b>	96-120 inches. Silty sand, brown, wet, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft., no groundwater.					

†Sample Type: S=Soil W=Water V=Vapor  
 D=Drive G=Grab N=No Recovery

# LOG OF BORING CEB-AVII-1

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/21/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Hand Auger	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Grab	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 1.5 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Clay pigeon debris pile	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, brown, very moist, no visible lead shot, occasional clay pigeon fragments.	SM				
1	SD	6-12 inches. Silty sand, brown, very moist, no visible lead shot, occasional clay pigeon fragments.	SM				
		12-24 inches. Silty sand, brown, very moist, no visible lead shot, occasional clay pigeon fragments.	SM				
2	SD	24-30 inches. Silty sand, dark brown, moist, no visible lead shot, occasional clay pigeon fragments.	SM				
3	SD	30-36 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
4		End @ 3 ft. Excavate 2 feet to base of pigeon debris pile, then hand auger to 3 ft., no groundwater.					
5							
6							
7							
8							
9							
10							

†Sample Type: S=Soil    W=Water    V=Vapor  
D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AVII-2

<b>JOB NUMBER:</b>	GE1093-741	<b>DATE:</b>	12/21/09
<b>CLIENT NAME:</b>	City of Los Angeles	<b>DRILL RIG:</b>	Hand Auger
<b>SITE ADDRESS:</b>	22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b>	
<b>LOGGED BY:</b>	Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b>	1.5 inch
<b>REVIEWED BY:</b>	Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b>	Clay pigeon debris pile - 1 ft thick

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, dark brown, moist, no visible lead shot, clay pigeon fragments.	SM			●●●●●●●●	
1	SD	6-12 inches. Silty sand, brown, very moist, no visible lead shot, clay pigeon fragments.	SM			●●●●●●●●	
	SD	12-18 inches. Silty sand, brown, very moist, no visible lead shot or clay pigeon debris.	SM			●●●●●●●●	
2		End @ 18 inches. Excavate 1 foot to base of pigeon debris pile, no groundwater.					
3							
4							
5							
6							
7							
8							
9							
10							

†Sample Type: S=Soil    W=Water    V=Vapor  
 D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AVIII-1

<b>JOB NUMBER:</b> GE1093-741	<b>DATE:</b> 12/21/09	
<b>CLIENT NAME:</b> City of Los Angeles	<b>DRILL RIG:</b> Geoprobe - Hydraulic Push	
<b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b> Continuous Core	
<b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b> 2 inch	
<b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b> Grass	

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	<b>SD</b>	0-6 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM			[Patterned]	
		6-24 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
1	<b>SD</b>						
2		24-30 inches. Silty sand, brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM			[Patterned]	
3							
4	<b>SD</b>	30-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	<b>SD</b>	48-72 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	<b>SD</b>	72-96 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	<b>SD</b>	96-120 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
		End @ 10 ft., no groundwater.					

†Sample Type: S=Soil    W=Water    V=Vapor  
D=Drive    G=Grab    N=No Recovery

# LOG OF BORING CEB-AVIII-2

<b>JOB NUMBER:</b> GE1093-741 <b>CLIENT NAME:</b> City of Los Angeles <b>SITE ADDRESS:</b> 22360 West Devonshire Street Chatsworth, CA 91311 <b>LOGGED BY:</b> Christopher E. Rude Environmental Scientist <b>REVIEWED BY:</b> Charles I. Buckley, CHG No. 55	<b>DATE:</b> 12/21/09 <b>DRILL RIG:</b> Geoprobe - Hydraulic Push <b>SAMPLING METHOD:</b> Continuous Core  <b>BORING DIAMETER:</b> 2 inch <b>SURFACE CONDITIONS:</b> Grass
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Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0	SD	0-6 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
1	SD	6-12 inches. Silty sand, dark brown, moist, no visible lead shot or clay pigeon debris.	SM				
	SD	12-18 inches. Silty sand, dark brown, grain, rootlets, moist, no visible lead shot or clay pigeon debris.					
2	SD	18-24 inches. Silty sand, dark brown, grain, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
3							
4	SD	24-48 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
7							
8	SD	72-96 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
9							
10	SD	105-120 inches. Clayey sand, brown, wet, no visible lead shot or clay pigeon debris.	SC				
		End @ 10 ft., no groundwater.					

†Sample Type:      S=Soil      W=Water      V=Vapor  
                         D=Drive      G=Grab      N=No Recovery

# LOG OF BORING CEB-AVIII-3

<b>JOB NUMBER:</b>	GE1093-741	<b>DATE:</b>	12/21/09
<b>CLIENT NAME:</b>	City of Los Angeles	<b>DRILL RIG:</b>	Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b>	22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b>	Continuous Core
<b>LOGGED BY:</b>	Christopher E. Rude Environmental Scientist	<b>BORING DIAMETER:</b>	2 inch
<b>REVIEWED BY:</b>	Charles I. Buckley, CHG No. 55	<b>SURFACE CONDITIONS:</b>	Grass

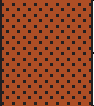
Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0							
1	SD	0-12 inches. Silty sand, dark brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
	SD	12-18 inches. Silty sand, dark brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
2		18-22 inches. Silty sand, dark brown, rootlets, moist, no visible lead shot or clay pigeon debris.					
3							
4	SD	24-48 inches. Silty sand, dark brown, rootlets, moist, no visible lead shot or clay pigeon debris.	SM				
5							
6	SD	48-72 inches. Silty sand, brown, moist, firm, no visible lead shot or clay pigeon debris.	SM				
7							
8							
9							
10	SD	120 inches. Clayey sand and silty sand, brown, wet, no visible lead shot or clay pigeon debris.	SC/SM				
		End @ 10 ft., no groundwater.					

†Sample Type:

S=Soil    W=Water    V=Vapor  
D=Drive    G=Grab    N=No Recovery

# LOG OF HP BORINGS - Oct 2012

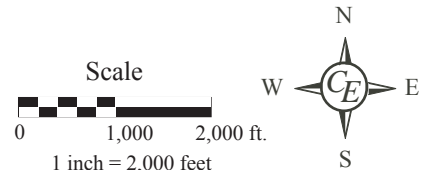
<b>JOB NUMBER:</b>	GE1093-741	<b>DATE:</b>	10/3-4/2012
<b>CLIENT NAME:</b>	City of Los Angeles	<b>DRILL RIG:</b>	Geoprobe - Hydraulic Push
<b>SITE ADDRESS:</b>	22360 West Devonshire Street Chatsworth, CA 91311	<b>SAMPLING METHOD:</b>	Continuous Core
<b>LOGGED BY:</b>	Charles I. Buckley, CHG No. 55	<b>BORING DIAMETER:</b>	2 inch
<b>REVIEWED BY:</b>		<b>SURFACE CONDITIONS:</b>	Grass/unpaved

Depth in Feet	Sample Type†	LITHOLOGIC DESCRIPTION	USCS Code	PID Reading (ppmv)	Blows per Foot	Graphic Log	Well Diagram
0		All borings (38) encountered essentially the same earth materials					
1	SD	0-12 inches. Silty sand, brown, rootlets, slightly moist-moist, no visible lead shot or clay pigeon debris.	SM				
	SD	12-24 inches. Silty sand, brown, moist, no visible lead shot or clay pigeon debris.	SM				
2		End at 2ft, no groundwater					
3							
4							
5							
6							
7							
8							
9							
10							

†Sample Type:    S=Soil    W=Water    V=Vapor  
 D=Drive    G=Grab    N=No Recovery



Reference: USGS 7.5' Calabasas, Canoga Park, Oat Mountain & Santa Susana Topographic  
 Quadrangles, 1951 (photorevised 1969)

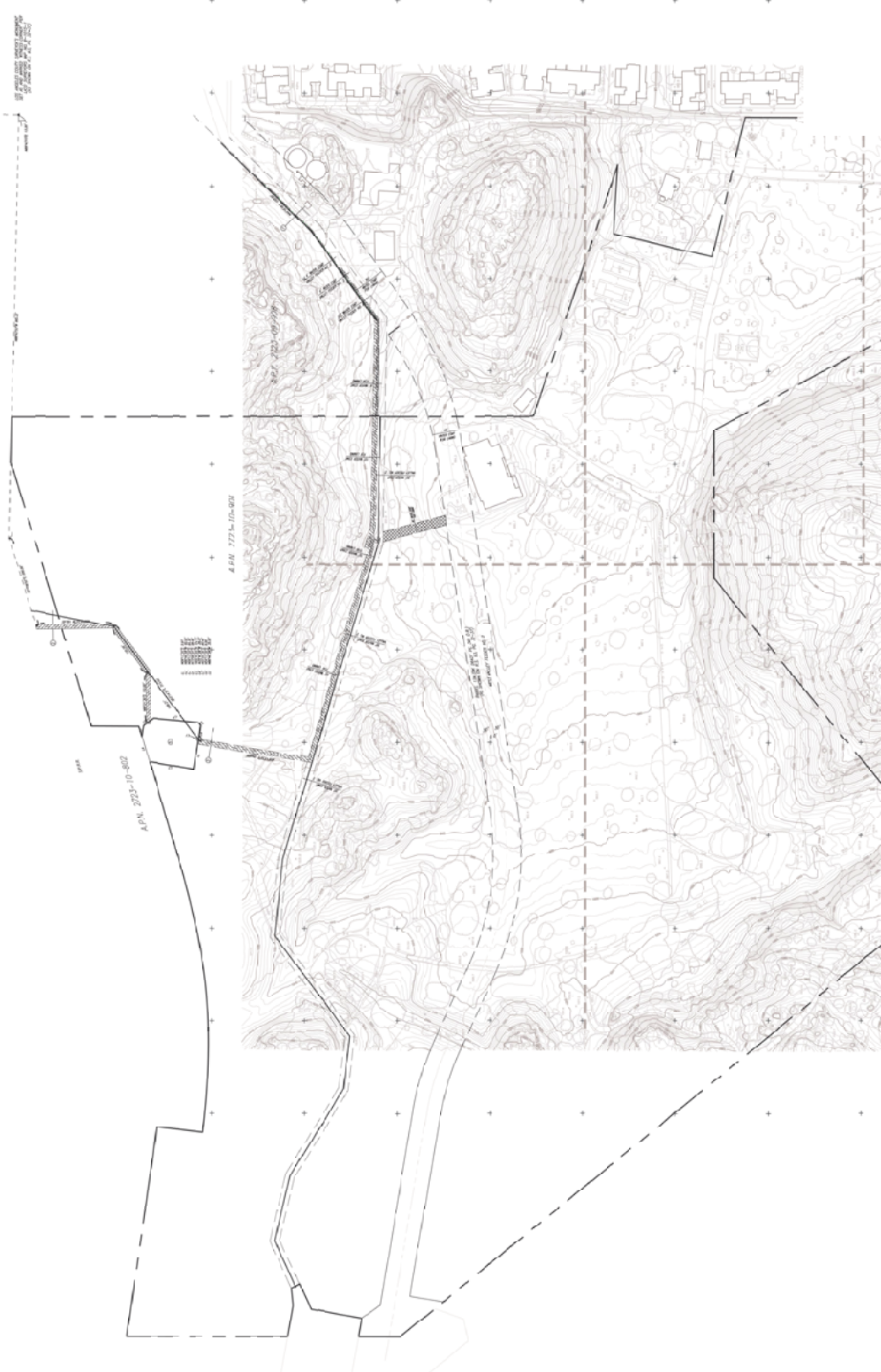


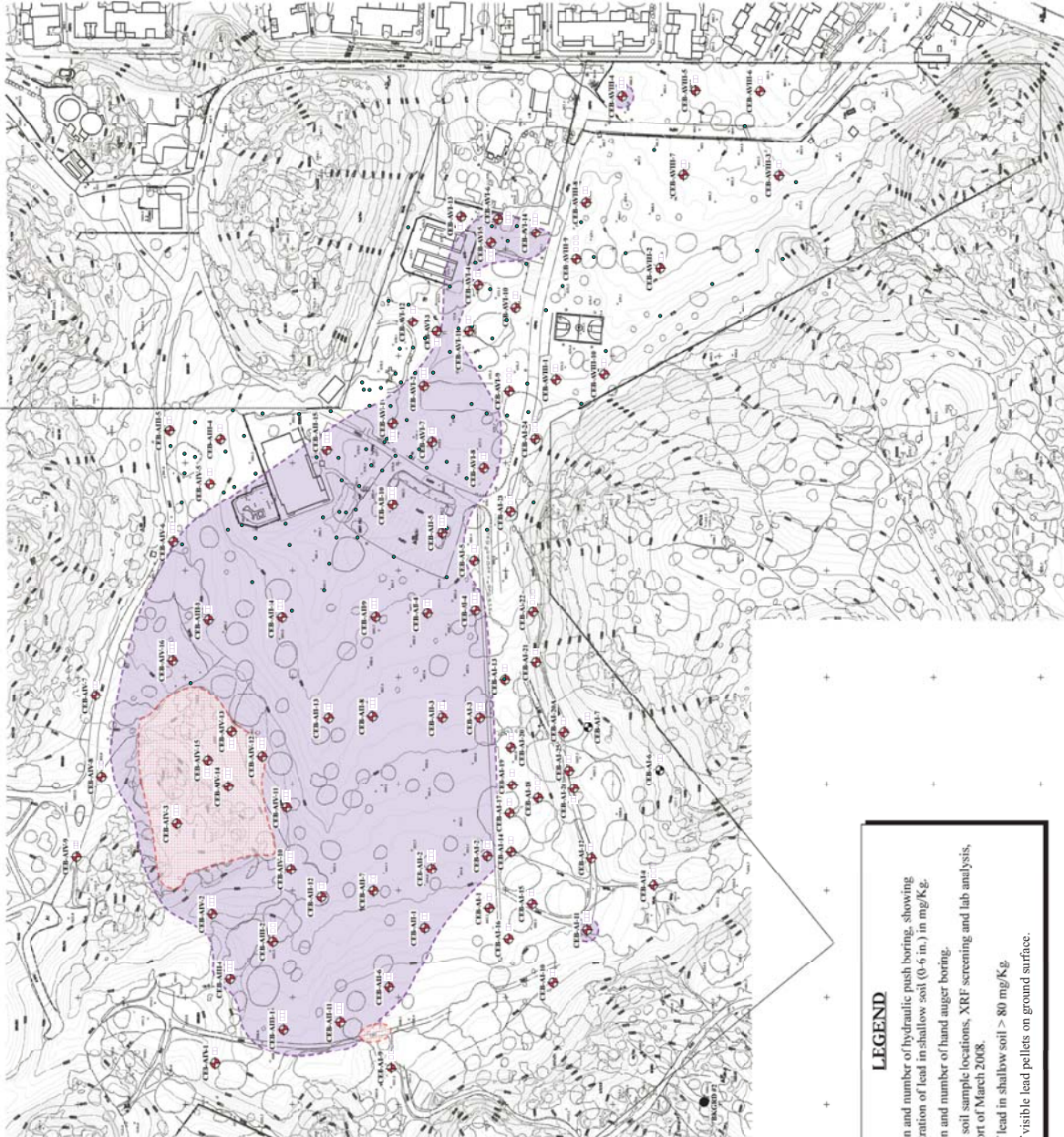
**FIGURE 1 - VICINITY MAP**  
 Chatsworth Park South  
 22360 Devonshire Street  
 Chatsworth, California



Drawn By:	<b>RMW</b>	Job #:	<b>GE1093-741</b>
Checked By:	<b>CIB</b>	Date:	<b>DECEMBER 2012</b>

*California  
 Environmental*





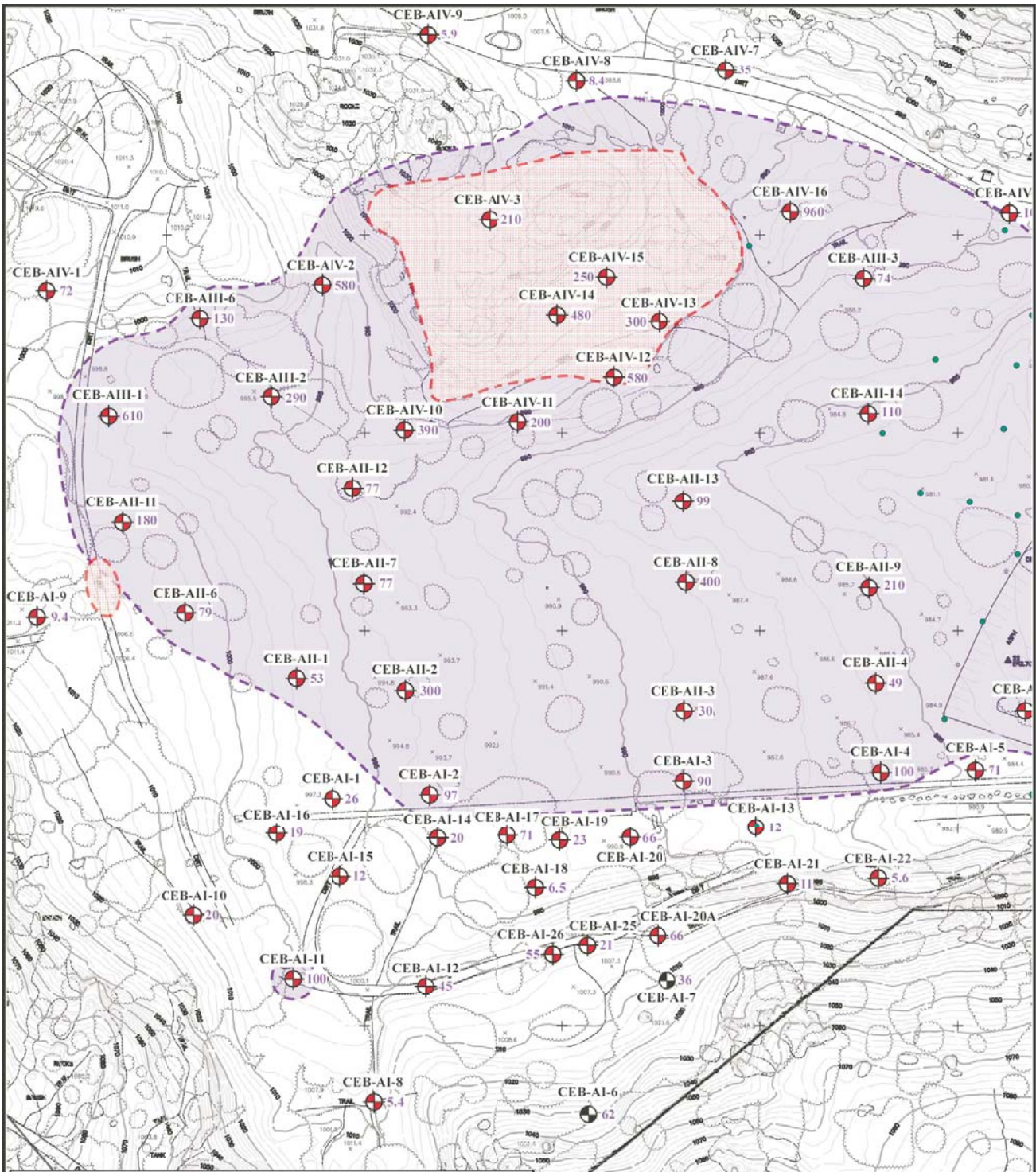


**LEGEND**

-  Location and number of hydraulic push boring, showing concentration of lead in shallow soil (0-6 in.) in mg/Kg.
-  Location and number of hand auger boring.
-  Lead in soil sample locations, XRF screening and lab analysis, CE report of March 2008.
-  Area of lead in shallow soil > 80 mg/Kg
-  Area of visible lead pellets on ground surface.

**FIGURE 3 - LEAD IN SHALLOW SOIL**



**LEGEND**

- Location and number of hydraulic push boring, showing concentration of lead in shallow soil (0-6 in.) in mg/Kg.
- Location and number of hand auger boring.
- Lead in soil sample locations, XRF screening and lab analysis, CE report of March 2008.
- Area of lead in shallow soil > 80 mg/Kg.
- Area of visible lead pellets on ground surface.

Scale  
0 50 100 ft.  
1 inch = 100 feet

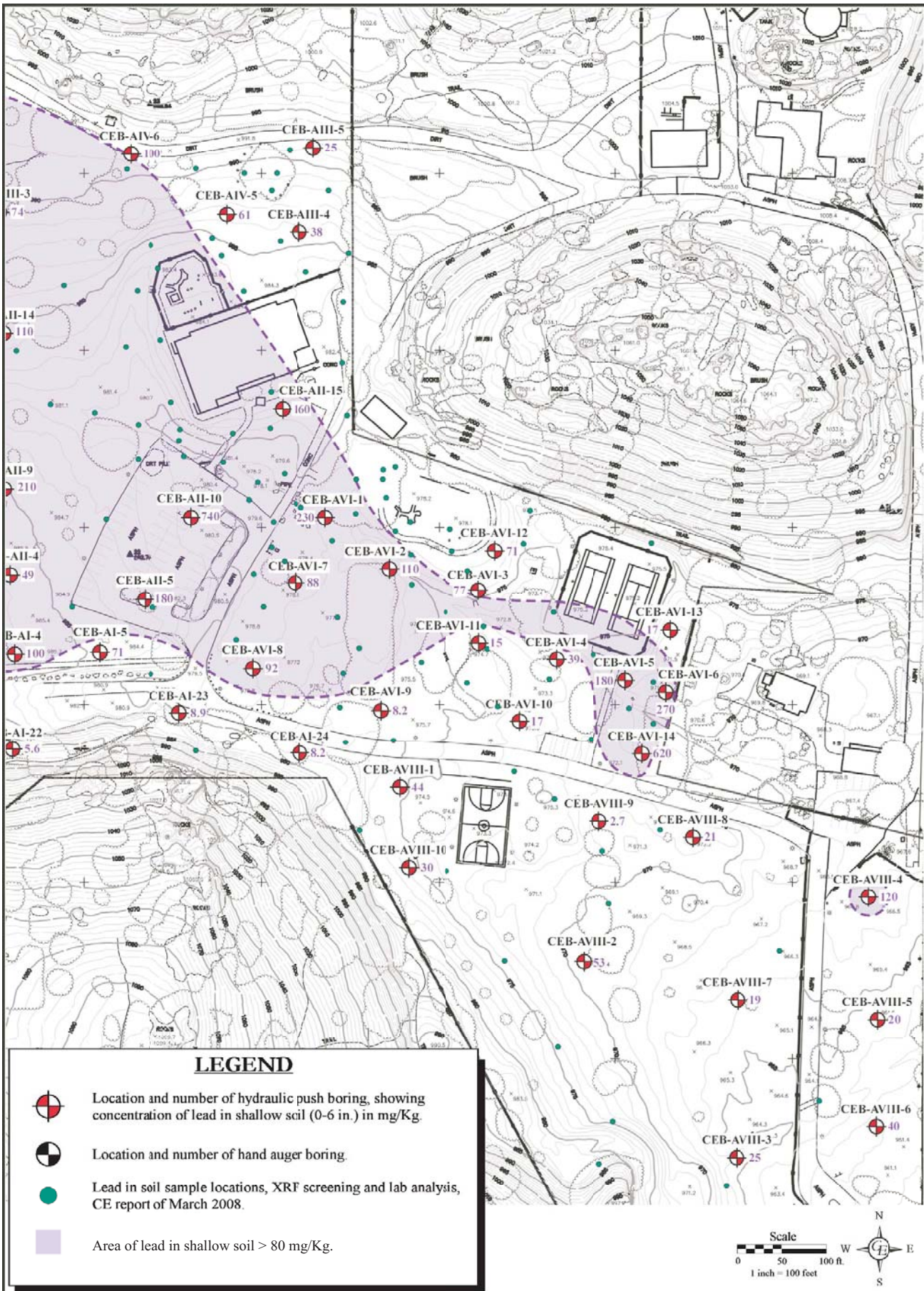


**FIGURE 5 - LEAD IN SHALLOW SOIL - WEST CPS**  
 Chatsworth Park South - West  
 Chatsworth, California

Drawn By: RMW	Job #: GE1093-741
Checked By: CIB	Date: DECEMBER 2012

*California Environmental*

741 Lead in Shallow Soil - West CPS



**FIGURE 5 - LEAD IN SHALLOW SOIL - EAST CPS**  
 Chatsworth Park South - West  
 Chatsworth, California



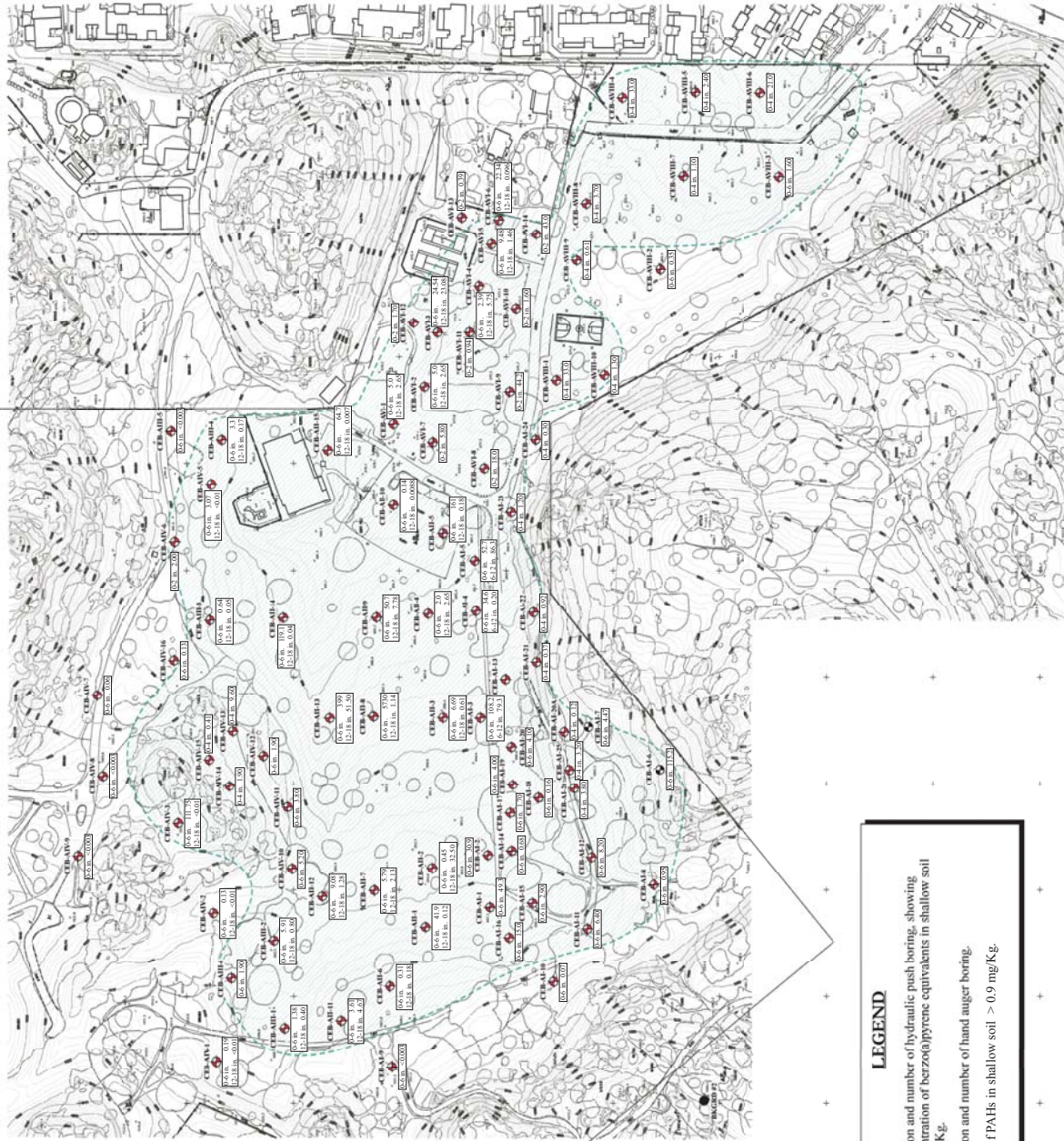
Drawn By: RMW

Job #: GE1093-741




Checked By: CIB

Date: DECEMBER 2012


*California  
 Environmental*

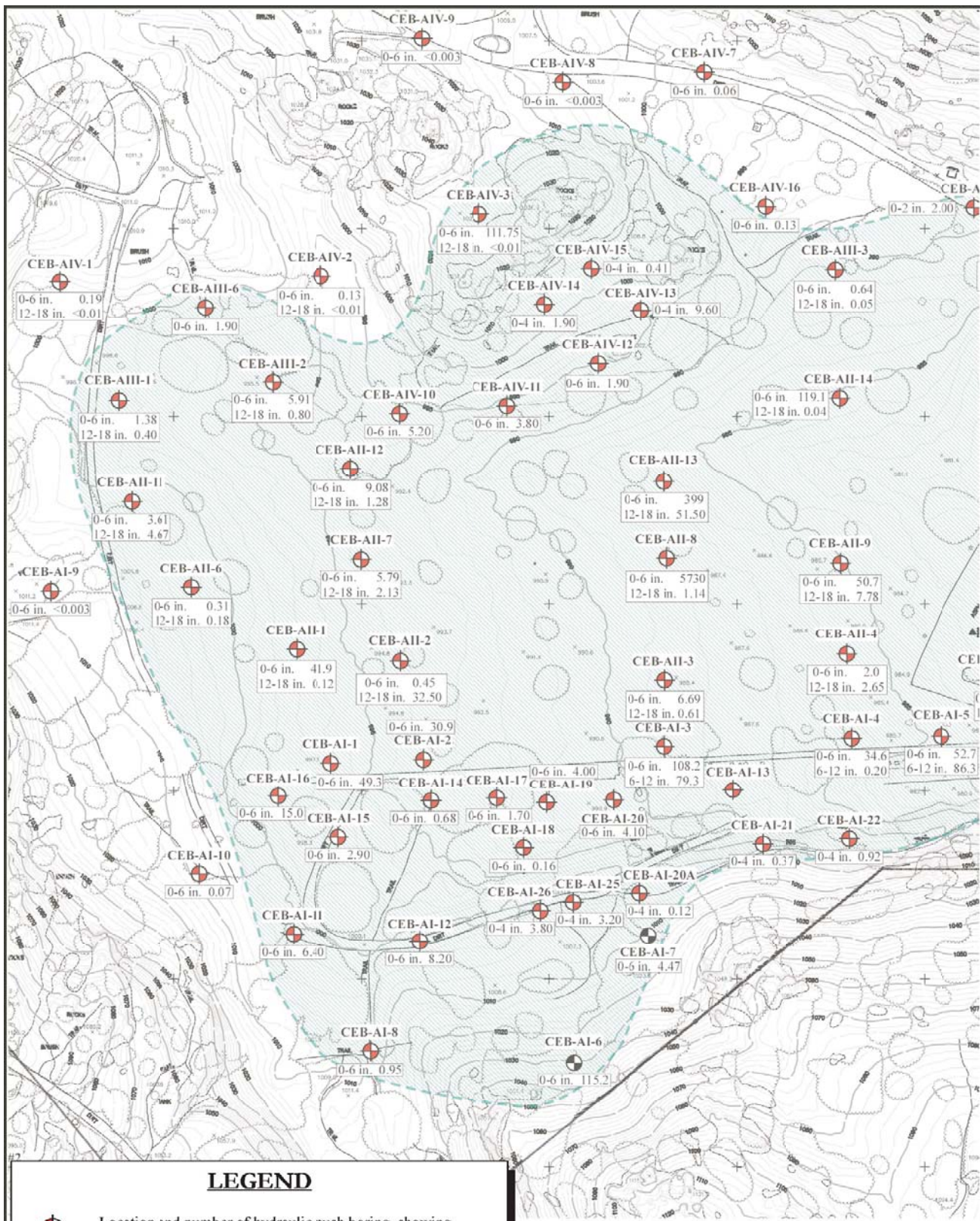


**LEGEND**

-  Location and number of hydraulic push boring, showing concentration of benzo(a)pyrene equivalents in shallow soil in mg/Kg.
-  Location and number of hand auger boring.
-  Area of PAHs in shallow soil > 0.9 mg/Kg.

**FIGURE 6 - PAHs IN SHALLOW SOIL**





**LEGEND**



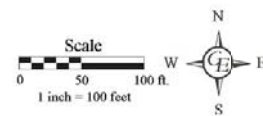
Location and number of hydraulic push boring, showing concentration of benzo(a)pyrene equivalents in shallow soil in mg/Kg



Location and number of hand auger boring.



Area of PAHs in shallow soil > 0.9 mg/Kg.



**FIGURE 7 - PAHs IN SHALLOW SOIL - WEST CPS**  
 Chatsworth Park South - West  
 Chatsworth, California



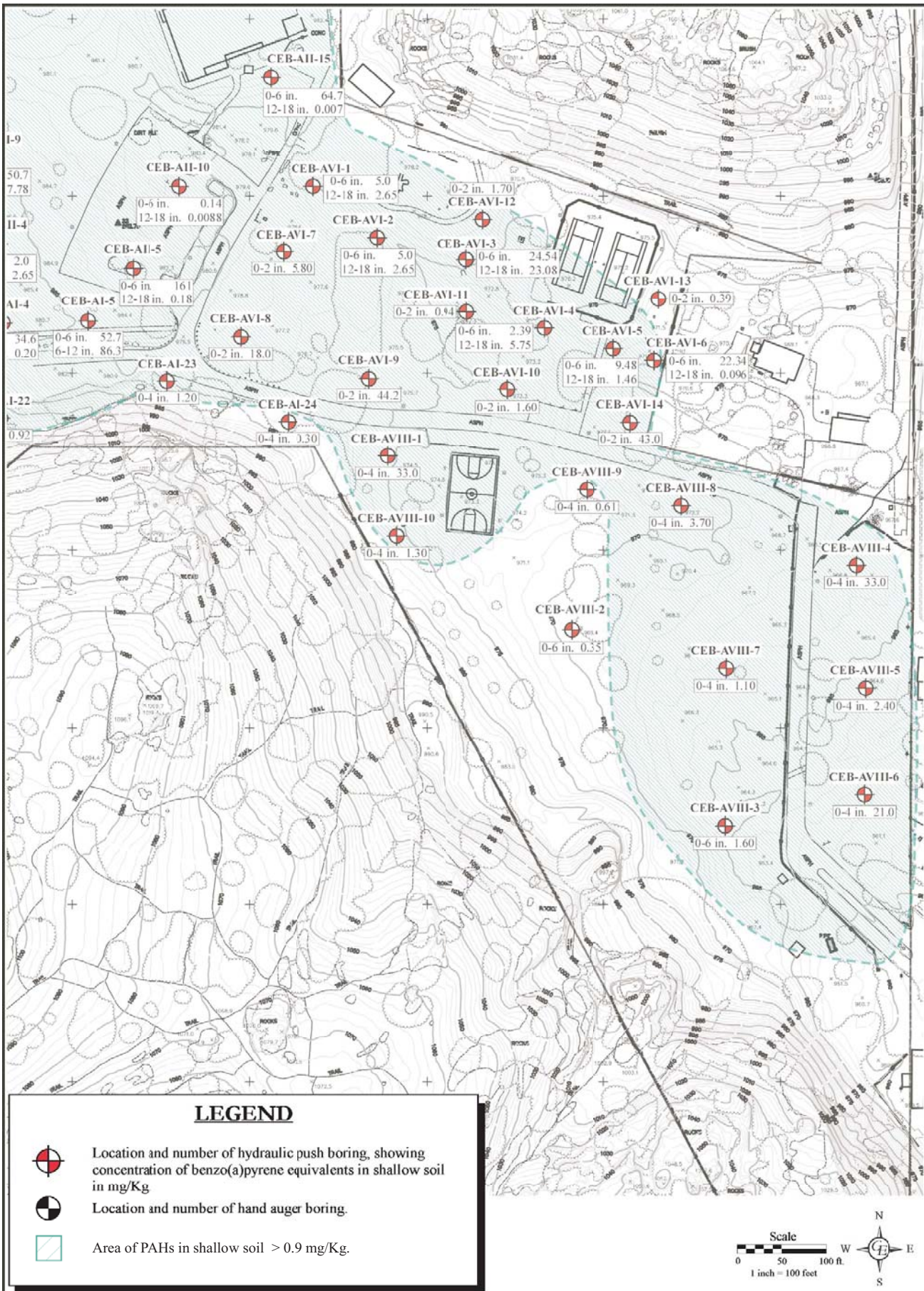
Drawn By: RMW

Job #: GE1093-741

Checked By: CTB

Date: DECEMBER 2012

*California  
 Environmental*



**FIGURE 8 - PAHs IN SHALLOW SOIL - EAST CPS**  
Chatsworth Park South - West  
Chatsworth, California

Drawn By: RMW

Job #: GE1093-741

Checked By: CIB

Date: DECEMBER 2012

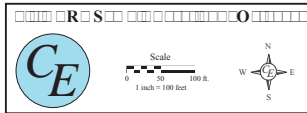
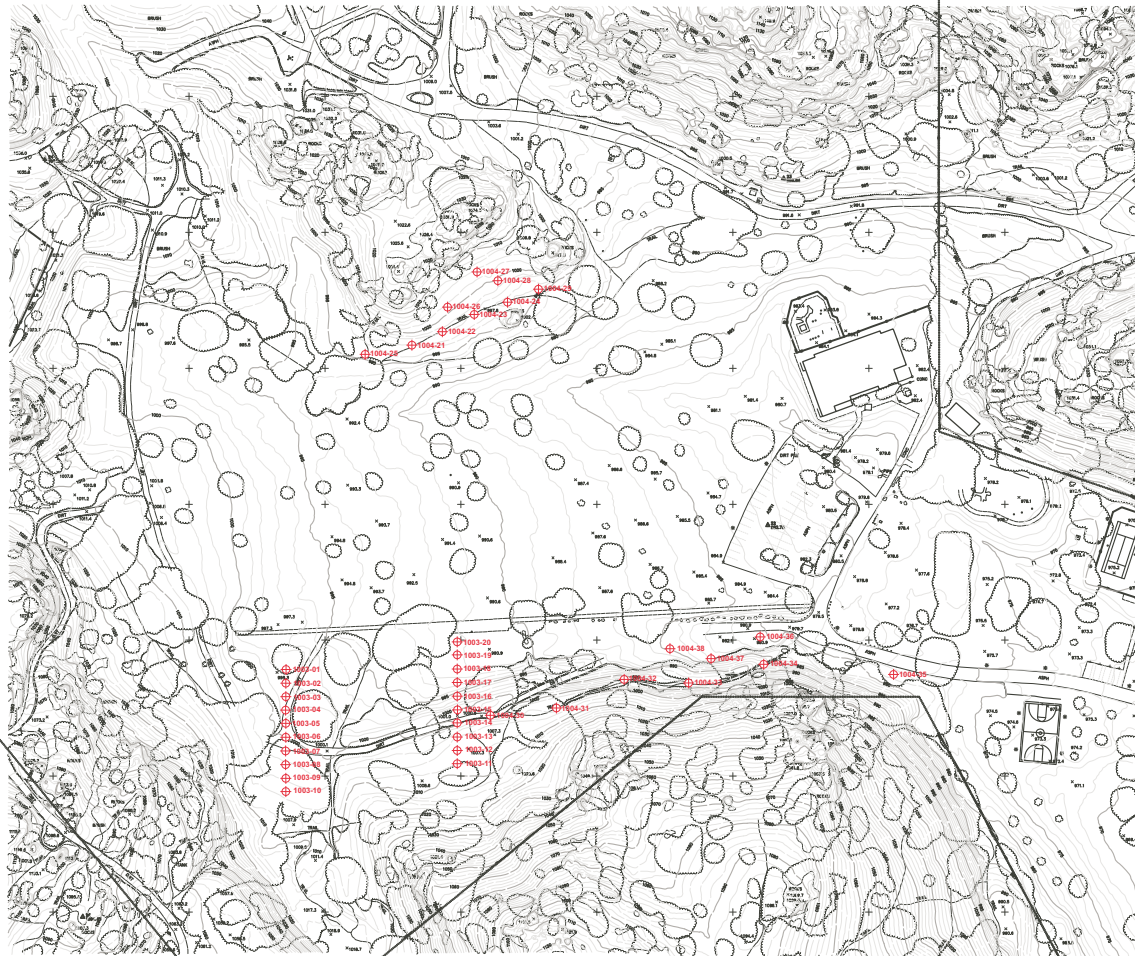
*California  
Environmental*

741 PAHs in Shallow Soil - East CPS



## **APPENDIX I**

### **XRF – Data & Map**



**LEGEND**

Location and number of  R  S  field reading  October 2012













## **APPENDIX II**

### **Lab Test Reports**



9765 Eton Avenue  
Chatsworth  
California 91311  
Tel: (818) 998-5547  
Fax: (818) 998-7258

---

November 20, 2012

Charles Buckley  
Cal Environmental  
30423 Canwood Street, Suite 208  
Agoura Hills, CA 91301

**Re : Chatsworth Park**  
**A243630 / 2J05015**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/04/12 15:03 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

A handwritten signature in cursive script that reads "Eydie Schwartz".

Eydie Schwartz  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/20/12

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
-----------	---------------	--------	-----	--------------	---------------

### Metals STLC

CEB-AI-17 (2')	2J05015-04	Soil	10	10/04/12 07:51	10/04/12 15:03
CEB-AI-17 (2')	2J05015-30	Soil	10	10/04/12 07:51	10/04/12 15:03

---

*Eydie Schwartz*

---

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/20/12

---

### ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
		<b><u>Soluble Metals STLC by ICP</u></b>						
Lead	CEB-AI-17 (2')	<b>84</b>	0.10	mg/L dry	1	10/29/12	10/29/12	EPA 6010B
Lead	CEB-AI-17 (2')	<b>2.6</b>	0.10	mg/L dry	1	11/19/12	11/20/12	EPA 6010B

---

*Eydie Schwartz*

---

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** Soluble Metals STLC by ICP

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/20/12  
**Units:** mg/L dry

---

<b>Date Sampled:</b>	10/04/12	10/04/12	
<b>Date Prepared:</b>	10/29/12	11/19/12	
<b>Date Analyzed:</b>	10/29/12	11/20/12	
<b>AA ID No:</b>	2J05015-04	2J05015-30	
<b>Client ID No:</b>	CEB-AI-17 (2')	CEB-AI-17 (2')	
<b>Matrix:</b>	Soil	Soil	
<b>Dilution Factor:</b>	1	1	MRL

---

### Metals STLC (EPA 6010B)

Lead	84	2.6	0.10
------	----	-----	------

---

*Eydie Schwartz*

---

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/20/12

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Soluble Metals STLC by ICP - Quality Control</b>										
<i>Batch B2J2910 - EPA 3010A</i>										
<b>Blank (B2J2910-BLK1)</b>				Prepared & Analyzed: 10/29/12						
Lead	<0.10	0.10	mg/L wet							
<b>LCS (B2J2910-BS1)</b>				Prepared & Analyzed: 10/29/12						
Lead	1.06	0.10	mg/L wet	1.0	106	80-120			20	
<b>LCS Dup (B2J2910-BSD1)</b>				Prepared & Analyzed: 10/29/12						
Lead	1.06	0.10	mg/L wet	1.0	106	80-120		0.188	20	
<b>Duplicate (B2J2910-DUP1)</b>				<b>Source: 2J04001-16</b> Prepared & Analyzed: 10/29/12						
Lead	5.08	0.10	mg/L dry		5.36			5.34	20	
<i>Batch B2K2015 - EPA 3010A</i>										
<b>Blank (B2K2015-BLK1)</b>				Prepared: 11/19/12 Analyzed: 11/20/12						
Lead	<0.10	0.10	mg/L wet							
<b>LCS (B2K2015-BS1)</b>				Prepared: 11/19/12 Analyzed: 11/20/12						
Lead	1.02	0.10	mg/L wet	1.0	102	80-120			20	
<b>LCS Dup (B2K2015-BSD1)</b>				Prepared: 11/19/12 Analyzed: 11/20/12						
Lead	1.02	0.10	mg/L wet	1.0	102	80-120		0.197	20	
<b>Duplicate (B2K2015-DUP1)</b>				<b>Source: 2J05015-30</b> Prepared: 11/19/12 Analyzed: 11/20/12						
Lead	2.65	0.10	mg/L dry		2.63			0.696	20	

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/20/12

---

### Special Notes

---

*Eydie Schwartz*

---

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/20/12

---

### Items for Project Manager's Review

<u>LabNumber</u>	<u>Analysis</u>	<u>Analyte</u>	<u>Exception</u>
	Metals STLC	(Soil)	J-Flags used
	Metals STLC	(Soil)	Result calculations based on MDL VERSION 6.07:2008 This is a modified report

---

*Eydie Schwartz*

---

**Eydie Schwartz**  
Project Manager



# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

Tel: 818-998-5547 FAX: 818-998-7258

AA COC No.: 115788

70033791  
Page of

Client: AE Project Name / No.: CS / LARFP Sampler's Name: C Buckley

Project Manager: C.I. Buckley Site Address: Devot Lane St Sampler's Signature: [Signature]

Phone: \_\_\_\_\_ City: LA, CA P.O. No.: 741

Fax: \_\_\_\_\_ State & Zip: \_\_\_\_\_ Quote No.: \_\_\_\_\_

- TAT Turnaround Codes \*\*
- ① = Same Day Rush
  - ② = 24 Hour Rush
  - ③ = 48 Hour Rush
  - ④ = 72 Hour Rush
  - ⑤ = 5 Day Rush
  - X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

Client I.D.	AA I.D.	Date	Time	Sample Matrix	No. of Cont	TOTAL LEAD	PAH's	MASTURE	STLC PB	TCLP PB	SIEVE SAMPLES	Instructions
CEB-AI-14 (2)	2505015	10/4/12	7:10	Soil	3	X	X	X	X	X	Test	0-6" Sample
CEB-AI-15 (2)	02		7:20			X	X	X				
CEB-AI-16 (2)	03		7:35			X	X	X				
CEB-AI-17 (2)	04		7:51			X	X	X				
CEB-AI-18 (2)	05		8:07			X	X	X				
CEB-AI-19 (2)	06		8:20			X	X	X				
CEB-AI-20 (2)	07		8:27			X	X	X				
CEB-AVI-7 (2)	08		8:43			X	X	X				
CEB-AVI-8 (2)	09		8:52			X	X	X				
CEB-AVI-9 (2)	10		9:02			X	X	X				
CEB-AVI-10 (2)	11		9:11			X	X	X				
CEB-AVI-11 (2)	12		9:42			X	X	X				
CEB-AVI-12 (2)	13		10:01			X	X	X				
CEB-AVI-13 (2)	14		10:17			X	X	X				
CEB-AVI-14 (2)	15		10:30			X	X	X				

REVIEWED

Date 10/5/12 Time 08:43  
 TAT W Days Sign: [Signature]

A.A. Project No.: 1842630 / 2505015

Relinquished by: [Signature] Date: 10/4/12 Time: 2:00 PM Received by: [Signature]

Relinquished by: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_

Note: By relinquishing samples to American Analytix, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytix.



# AMERICAN ANALYTICALS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311  
Tel: 818-998-5547 FAX: 818-998-7258

AA COC No.: 115793

70033792  
Page of

Client: CE Project Name / No.: GPS - LARAP Sampler's Name: C. Buckley

Project Manager: C.I. Buckley Site Address: Devonshire St. Sampler's Signature: [Signature]

Phone: [Blank] City: Luttwort, CA P.O. No.: 741

Fax: [Blank] State & Zip: [Blank] Quote No.: [Blank]

- TAT Turnaround Codes \*\*
- ① = Same Day Rush
  - ② = 24 Hour Rush
  - ③ = 48 Hour Rush
  - ④ = 72 Hour Rush
  - ⑤ = 5 Day Rush
  - X = 10 Working Days (Standard TAT)

Client I.D.	AA I.D.	Date	Time	Sample Matrix	No. of Cont	Please enter the TAT Turnaround Codes ** below					Special Instructions	
CEB-ATD-10 (2)	250505-2116	10/4/12	11:58	Soil	3	X	X	X	X	X	X	ANALYZE 0-6"
CEB-ATD-11 (2)	217	✓	12:07			X	X	X	X	X	X	✓
CEB-ATD-12 (2)	18	✓	12:10			X	X	X	X	X	X	✓
CEB-ATD-13 (2)	19	✓	12:34			X	X	X	X	X	X	✓
CEB-ATD-14 (4)	20	✓	1:08			X	X	X	X	X	X	✓
CEB-ATD-15 (4)	621	✓	1:12			X	X	X	X	X	X	✓
CEB-ATD-16 (4)	22	✓	1:15			X	X	X	X	X	X	✓
CEB-AT-20 (1)	893	✓	2:47			X	X	X	X	X	X	✓
CEB-AT-21 (1)	29	✓	2:50			X	X	X	X	X	X	✓
CEB-AT-22 (1)	28	✓	2:52			X	X	X	X	X	X	✓
CEB-AT-23 (1)	26	✓	2:54			X	X	X	X	X	X	✓
CEB-AT-24 (1)	24	✓	2:56			X	X	X	X	X	X	✓
CEB-AT-25 (1)	28	✓	3:10			X	X	X	X	X	X	✓
CEB-AT-26 (1)	29	✓	3:12			X	X	X	X	X	X	✓

For Laboratory Use  
**REVIEWED**

Date: 10/5/12 Time: 08:43  
TAT: N Days Sign: E. Edwards

AA Project No.: AA43030/2005015

Relinquished by: [Signature] Date: 10/7/12 Time: 2:50P Received by: Euphie

Relinquished by: [Signature] Date: [Blank] Time: [Blank] Received by: [Blank]

Note: By relinquishing samples to American Analyticals, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submission of the sample(s) to American Analyticals.



9765 Eton Avenue  
Chatsworth  
California 91311  
Tel: (818) 998-5547  
Fax: (818) 998-7258

---

November 01, 2012

Charles Buckley  
Cal Environmental  
30423 Canwood Street, Suite 208  
Agoura Hills, CA 91301

**Re : Chatsworth Park**  
**A243630 / 2J05015**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/04/12 15:03 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

A handwritten signature in black ink that reads "Eydie Schwartz". The signature is written in a cursive, flowing style.

Eydie Schwartz  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
<b><u>8270C PAHs SIM</u></b>					
CEB-AI-14 (2')	2J05015-01	Soil	10	10/04/12 07:10	10/04/12 15:03
CEB-AI-15 (2')	2J05015-02	Soil	10	10/04/12 07:20	10/04/12 15:03
CEB-AI-16 (2')	2J05015-03	Soil	10	10/04/12 07:35	10/04/12 15:03
CEB-AI-17 (2')	2J05015-04	Soil	10	10/04/12 07:51	10/04/12 15:03
CEB-AI-18 (2')	2J05015-05	Soil	10	10/04/12 08:07	10/04/12 15:03
CEB-AI-19 (2')	2J05015-06	Soil	10	10/04/12 08:20	10/04/12 15:03
CEB-AI-20 (2')	2J05015-07	Soil	10	10/04/12 08:27	10/04/12 15:03
CEB-AVI-7 (2')	2J05015-08	Soil	10	10/04/12 08:43	10/04/12 15:03
CEB-AVI-8 (2')	2J05015-09	Soil	10	10/04/12 08:52	10/04/12 15:03
CEB-AVI-9 (2')	2J05015-10	Soil	10	10/04/12 09:02	10/04/12 15:03
CEB-AVI-10 (2')	2J05015-11	Soil	10	10/04/12 09:11	10/04/12 15:03
CEB-AVI-11 (2')	2J05015-12	Soil	10	10/04/12 09:42	10/04/12 15:03
CEB-AVI-12 (2')	2J05015-13	Soil	10	10/04/12 10:01	10/04/12 15:03
CEB-AVI-13 (2')	2J05015-14	Soil	10	10/04/12 10:17	10/04/12 15:03
CEB-AVI-14 (2')	2J05015-15	Soil	10	10/04/12 10:30	10/04/12 15:03
CEB-AIV-10 (2')	2J05015-16	Soil	10	10/04/12 11:58	10/04/12 15:03
CEB-AIV-11 (2')	2J05015-17	Soil	10	10/04/12 12:07	10/04/12 15:03
CEB-AIV-12 (2')	2J05015-18	Soil	10	10/04/12 12:10	10/04/12 15:03
CEB-AIV-13 (2')	2J05015-19	Soil	10	10/04/12 12:37	10/04/12 15:03

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
CEB-AIV-14 (4")	2J05015-20	Soil	10	10/04/12 13:08	10/04/12 15:03
CEB-AIV-15 (4")	2J05015-21	Soil	10	10/04/12 13:12	10/04/12 15:03
CEB-AIV-16 (4")	2J05015-22	Soil	10	10/04/12 13:15	10/04/12 15:03
CEB-AI-20 (4")	2J05015-23	Soil	10	10/04/12 13:47	10/04/12 15:03
CEB-AI-21 (4")	2J05015-24	Soil	10	10/04/12 13:50	10/04/12 15:03
CEB-AI-22 (4")	2J05015-25	Soil	10	10/04/12 13:52	10/04/12 15:03
CEB-AI-23 (4")	2J05015-26	Soil	10	10/04/12 13:54	10/04/12 15:03
CEB-AI-24 (4")	2J05015-27	Soil	10	10/04/12 13:56	10/04/12 15:03
CEB-AI-25 (4")	2J05015-28	Soil	10	10/04/12 14:10	10/04/12 15:03
CEB-AI-26 (4")	2J05015-29	Soil	10	10/04/12 14:12	10/04/12 15:03

### Metals STLC

CEB-AI-17 (2')	2J05015-04	Soil	10	10/04/12 07:51	10/04/12 15:03
CEB-AI-20 (2')	2J05015-07	Soil	10	10/04/12 08:27	10/04/12 15:03
CEB-AVI-7 (2')	2J05015-08	Soil	10	10/04/12 08:43	10/04/12 15:03
CEB-AVI-8 (2')	2J05015-09	Soil	10	10/04/12 08:52	10/04/12 15:03
CEB-AVI-12 (2')	2J05015-13	Soil	10	10/04/12 10:01	10/04/12 15:03
CEB-AVI-14 (2')	2J05015-15	Soil	10	10/04/12 10:30	10/04/12 15:03
CEB-AIV-10 (2')	2J05015-16	Soil	10	10/04/12 11:58	10/04/12 15:03
CEB-AIV-11 (2')	2J05015-17	Soil	10	10/04/12 12:07	10/04/12 15:03
CEB-AIV-12 (2')	2J05015-18	Soil	10	10/04/12 12:10	10/04/12 15:03

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
CEB-AIV-13 (2')	2J05015-19	Soil	10	10/04/12 12:37	10/04/12 15:03
CEB-AIV-14 (4")	2J05015-20	Soil	10	10/04/12 13:08	10/04/12 15:03
CEB-AIV-15 (4")	2J05015-21	Soil	10	10/04/12 13:12	10/04/12 15:03
CEB-AIV-16 (4")	2J05015-22	Soil	10	10/04/12 13:15	10/04/12 15:03
CEB-AI-26 (4")	2J05015-29	Soil	10	10/04/12 14:12	10/04/12 15:03

### Metals TCLP

CEB-AVI-14 (2')	2J05015-15	Soil	10	10/04/12 10:30	10/04/12 15:03
CEB-AIV-10 (2')	2J05015-16	Soil	10	10/04/12 11:58	10/04/12 15:03
CEB-AIV-11 (2')	2J05015-17	Soil	10	10/04/12 12:07	10/04/12 15:03
CEB-AIV-12 (2')	2J05015-18	Soil	10	10/04/12 12:10	10/04/12 15:03
CEB-AIV-13 (2')	2J05015-19	Soil	10	10/04/12 12:37	10/04/12 15:03
CEB-AIV-14 (4")	2J05015-20	Soil	10	10/04/12 13:08	10/04/12 15:03
CEB-AIV-15 (4")	2J05015-21	Soil	10	10/04/12 13:12	10/04/12 15:03
CEB-AIV-16 (4")	2J05015-22	Soil	10	10/04/12 13:15	10/04/12 15:03

### Metals Total 6010B

CEB-AI-14 (2')	2J05015-01	Soil	10	10/04/12 07:10	10/04/12 15:03
CEB-AI-15 (2')	2J05015-02	Soil	10	10/04/12 07:20	10/04/12 15:03
CEB-AI-16 (2')	2J05015-03	Soil	10	10/04/12 07:35	10/04/12 15:03
CEB-AI-17 (2')	2J05015-04	Soil	10	10/04/12 07:51	10/04/12 15:03

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*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
CEB-AI-18 (2')	2J05015-05	Soil	10	10/04/12 08:07	10/04/12 15:03
CEB-AI-19 (2')	2J05015-06	Soil	10	10/04/12 08:20	10/04/12 15:03
CEB-AI-20 (2')	2J05015-07	Soil	10	10/04/12 08:27	10/04/12 15:03
CEB-AVI-7 (2')	2J05015-08	Soil	10	10/04/12 08:43	10/04/12 15:03
CEB-AVI-8 (2')	2J05015-09	Soil	10	10/04/12 08:52	10/04/12 15:03
CEB-AVI-9 (2')	2J05015-10	Soil	10	10/04/12 09:02	10/04/12 15:03
CEB-AVI-10 (2')	2J05015-11	Soil	10	10/04/12 09:11	10/04/12 15:03
CEB-AVI-11 (2')	2J05015-12	Soil	10	10/04/12 09:42	10/04/12 15:03
CEB-AVI-12 (2')	2J05015-13	Soil	10	10/04/12 10:01	10/04/12 15:03
CEB-AVI-13 (2')	2J05015-14	Soil	10	10/04/12 10:17	10/04/12 15:03
CEB-AVI-14 (2')	2J05015-15	Soil	10	10/04/12 10:30	10/04/12 15:03
CEB-AIV-10 (2')	2J05015-16	Soil	10	10/04/12 11:58	10/04/12 15:03
CEB-AIV-11 (2')	2J05015-17	Soil	10	10/04/12 12:07	10/04/12 15:03
CEB-AIV-12 (2')	2J05015-18	Soil	10	10/04/12 12:10	10/04/12 15:03
CEB-AIV-13 (2')	2J05015-19	Soil	10	10/04/12 12:37	10/04/12 15:03
CEB-AIV-14 (4")	2J05015-20	Soil	10	10/04/12 13:08	10/04/12 15:03
CEB-AIV-15 (4")	2J05015-21	Soil	10	10/04/12 13:12	10/04/12 15:03
CEB-AIV-16 (4")	2J05015-22	Soil	10	10/04/12 13:15	10/04/12 15:03
CEB-AI-20 (4")	2J05015-23	Soil	10	10/04/12 13:47	10/04/12 15:03
CEB-AI-21 (4")	2J05015-24	Soil	10	10/04/12 13:50	10/04/12 15:03

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*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
CEB-AI-22 (4")	2J05015-25	Soil	10	10/04/12 13:52	10/04/12 15:03
CEB-AI-23 (4")	2J05015-26	Soil	10	10/04/12 13:54	10/04/12 15:03
CEB-AI-24 (4")	2J05015-27	Soil	10	10/04/12 13:56	10/04/12 15:03
CEB-AI-25 (4")	2J05015-28	Soil	10	10/04/12 14:10	10/04/12 15:03
CEB-AI-26 (4")	2J05015-29	Soil	10	10/04/12 14:12	10/04/12 15:03

### Solids, Dry Weight - Gravimetric

CEB-AI-14 (2')	2J05015-01	Soil	10	10/04/12 07:10	10/04/12 15:03
CEB-AI-15 (2')	2J05015-02	Soil	10	10/04/12 07:20	10/04/12 15:03
CEB-AI-16 (2')	2J05015-03	Soil	10	10/04/12 07:35	10/04/12 15:03
CEB-AI-17 (2')	2J05015-04	Soil	10	10/04/12 07:51	10/04/12 15:03
CEB-AI-18 (2')	2J05015-05	Soil	10	10/04/12 08:07	10/04/12 15:03
CEB-AI-19 (2')	2J05015-06	Soil	10	10/04/12 08:20	10/04/12 15:03
CEB-AI-20 (2')	2J05015-07	Soil	10	10/04/12 08:27	10/04/12 15:03
CEB-AVI-7 (2')	2J05015-08	Soil	10	10/04/12 08:43	10/04/12 15:03
CEB-AVI-8 (2')	2J05015-09	Soil	10	10/04/12 08:52	10/04/12 15:03
CEB-AVI-9 (2')	2J05015-10	Soil	10	10/04/12 09:02	10/04/12 15:03
CEB-AVI-10 (2')	2J05015-11	Soil	10	10/04/12 09:11	10/04/12 15:03
CEB-AVI-11 (2')	2J05015-12	Soil	10	10/04/12 09:42	10/04/12 15:03
CEB-AVI-12 (2')	2J05015-13	Soil	10	10/04/12 10:01	10/04/12 15:03
CEB-AVI-13 (2')	2J05015-14	Soil	10	10/04/12 10:17	10/04/12 15:03

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
CEB-AVI-14 (2')	2J05015-15	Soil	10	10/04/12 10:30	10/04/12 15:03
CEB-AIV-10 (2')	2J05015-16	Soil	10	10/04/12 11:58	10/04/12 15:03
CEB-AIV-11 (2')	2J05015-17	Soil	10	10/04/12 12:07	10/04/12 15:03
CEB-AIV-12 (2')	2J05015-18	Soil	10	10/04/12 12:10	10/04/12 15:03
CEB-AIV-13 (2')	2J05015-19	Soil	10	10/04/12 12:37	10/04/12 15:03

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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** PAHs SIM by EPA 8270C

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/kg dry

<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/17/12	10/17/12	10/17/12	10/17/12		
<b>Date Analyzed:</b>	10/24/12	10/19/12	10/19/12	10/19/12		
<b>AA ID No:</b>	2J05015-01	2J05015-02	2J05015-03	2J05015-04		
<b>Client ID No:</b>	CEB-AI-14 (2')	CEB-AI-15 (2')	CEB-AI-16 (2')	CEB-AI-17 (2')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	5	1	1	1	MDL	MRL

### 8270C PAHs SIM (EPA 8270M)

Acenaphthene	<0.025	<b>0.038</b>	<b>0.24</b>	<b>0.022</b>	0.0050	0.010
Acenaphthylene	<0.025	<0.0050	<0.0050	<0.0050	0.0050	0.010
Anthracene	<0.020	<b>0.029</b>	<b>0.22</b>	<b>0.015</b>	0.0040	0.010
Benzo(a)anthracene	<b>0.092</b>	<b>0.49</b>	<b>2.1</b>	<b>0.24</b>	0.0060	0.010
Benzo(a)pyrene	<b>0.12</b>	<b>0.56</b>	<b>3.4</b>	<b>0.34</b>	0.0040	0.010
Benzo(b)fluoranthene	<b>0.088</b>	<b>0.41</b>	<b>2.0</b>	<b>0.18</b>	0.0060	0.010
Benzo(g,h,i)perylene	<b>0.10</b>	<b>0.32</b>	<b>2.0</b>	<b>0.20</b>	0.0050	0.010
Benzo(k)fluoranthene	<b>0.059</b>	<b>0.38</b>	<b>1.8</b>	<b>0.20</b>	0.0030	0.010
Chrysene	<b>0.10</b>	<b>0.35</b>	<b>2.1</b>	<b>0.23</b>	0.0050	0.010
Dibenzo(a,h)anthracene	<b>0.052</b>	<b>0.16</b>	<b>0.59</b>	<b>0.097</b>	0.010	0.010
Fluoranthene	<b>0.064</b>	<b>0.36</b>	<b>1.8</b>	<b>0.18</b>	0.0050	0.010
Fluorene	<0.025	<0.0050	<b>0.029</b>	<0.0050	0.0050	0.010
Indeno (1,2,3-cd) pyrene	<b>0.17 J</b>	<b>0.56</b>	<b>3.4</b>	<b>0.37</b>	0.020	0.040
2-Methylnaphthalene	<0.025	<0.0050	<0.0050	<0.0050	0.0050	0.010
Naphthalene	<0.020	<0.0040	<b>0.026</b>	<0.0040	0.0040	0.010
Phenanthrene	<0.015	<b>0.088</b>	<b>0.27</b>	<b>0.038</b>	0.0030	0.010
Pyrene	<b>0.052</b>	<b>0.32</b>	<b>1.8</b>	<b>0.17</b>	0.0040	0.010
Benzo(a)pyrene-equivalents	<b>0.68</b>	<b>2.9</b>	<b>15</b>	<b>1.7</b>	0.0030	0.010

<b>Surrogates</b>					<b>%REC Limits</b>	
2-Fluorobiphenyl	83%	76%	75%	60%	43-116	
Terphenyl-dl4	102%	94%	115%	82%	33-141	

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** PAHs SIM by EPA 8270C

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/kg dry

<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/17/12	10/17/12	10/17/12	10/17/12		
<b>Date Analyzed:</b>	10/19/12	10/19/12	10/19/12	10/19/12		
<b>AA ID No:</b>	2J05015-05	2J05015-06	2J05015-07	2J05015-08		
<b>Client ID No:</b>	CEB-AI-18 (2')	CEB-AI-19 (2')	CEB-AI-20 (2')	CEB-AVI-7 (2')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	5	MDL	MRL

### 8270C PAHs SIM (EPA 8270M)

Acenaphthene	<0.0050	<b>0.063</b>	<b>0.045</b>	<b>0.14</b>	0.0050	0.010
Acenaphthylene	<0.0050	<0.0050	<0.0050	<0.025	0.0050	0.010
Anthracene	<0.0040	<b>0.032</b>	<b>0.037</b>	<b>0.096</b>	0.0040	0.010
Benzo(a)anthracene	<b>0.029</b>	<b>0.63</b>	<b>0.67</b>	<b>0.96</b>	0.0060	0.010
Benzo(a)pyrene	<b>0.023</b>	<b>0.80</b>	<b>0.83</b>	<b>1.2</b>	0.0040	0.010
Benzo(b)fluoranthene	<b>0.021</b>	<b>0.56</b>	<b>0.55</b>	<b>0.87</b>	0.0060	0.010
Benzo(g,h,i)perylene	<b>0.021</b>	<b>0.44</b>	<b>0.51</b>	<b>0.69</b>	0.0050	0.010
Benzo(k)fluoranthene	<b>0.019</b>	<b>0.51</b>	<b>0.41</b>	<b>0.65</b>	0.0030	0.010
Chrysene	<b>0.024</b>	<b>0.49</b>	<b>0.56</b>	<b>0.90</b>	0.0050	0.010
Dibenzo(a,h)anthracene	<b>0.010</b>	<b>0.22</b>	<b>0.21</b>	<b>0.39</b>	0.010	0.010
Fluoranthene	<b>0.018</b>	<b>0.37</b>	<b>0.53</b>	<b>0.80</b>	0.0050	0.010
Fluorene	<0.0050	<0.0050	<0.0050	<0.025	0.0050	0.010
Indeno (1,2,3-cd) pyrene	<b>0.035 J</b>	<b>0.76</b>	<b>0.91</b>	<b>1.3</b>	0.020	0.040
2-Methylnaphthalene	<0.0050	<0.0050	<0.0050	<0.025	0.0050	0.010
Naphthalene	<0.0040	<0.0040	<b>0.016</b>	<0.020	0.0040	0.010
Phenanthrene	<0.0030	<b>0.095</b>	<b>0.10</b>	<b>0.16</b>	0.0030	0.010
Pyrene	<b>0.019</b>	<b>0.38</b>	<b>0.45</b>	<b>0.74</b>	0.0040	0.010
Benzo(a)pyrene-equivalents	<b>0.16</b>	<b>4.0</b>	<b>4.1</b>	<b>5.8</b>	0.0030	0.010

<u>Surrogates</u>					<u>%REC Limits</u>
2-Fluorobiphenyl	78%	68%	56%	98%	43-116
Terphenyl-dI4	110%	79%	92%	125%	33-141

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** PAHs SIM by EPA 8270C

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/kg dry

<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/17/12	10/17/12	10/17/12	10/17/12		
<b>Date Analyzed:</b>	10/19/12	10/19/12	10/19/12	10/19/12		
<b>AA ID No:</b>	2J05015-09	2J05015-10	2J05015-11	2J05015-12		
<b>Client ID No:</b>	CEB-AVI-8 (2')	CEB-AVI-9 (2')	CEB-AVI-10 (2')	CEB-AVI-11 (2')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	5	1	1	1	MDL	MRL

### 8270C PAHs SIM (EPA 8270M)

Acenaphthene	<b>0.59</b>	<0.0050	<b>0.053</b>	<b>0.017</b>	0.0050	0.010
Acenaphthylene	<0.025	<0.0050	<0.0050	<0.0050	0.0050	0.010
Anthracene	<b>0.23</b>	<0.0040	<b>0.023</b>	<b>0.011</b>	0.0040	0.010
Benzo(a)anthracene	<b>2.8</b>	<b>0.012</b>	<b>0.26</b>	<b>0.15</b>	0.0060	0.010
Benzo(a)pyrene	<b>3.9</b>	<b>0.014</b>	<b>0.34</b>	<b>0.19</b>	0.0040	0.010
Benzo(b)fluoranthene	<b>2.5</b>	<0.0060	<b>0.22</b>	<b>0.13</b>	0.0060	0.010
Benzo(g,h,i)perylene	<b>2.2</b>	<0.0050	<b>0.19</b>	<b>0.12</b>	0.0050	0.010
Benzo(k)fluoranthene	<b>2.1</b>	<0.0030	<b>0.15</b>	<b>0.11</b>	0.0030	0.010
Chrysene	<b>2.4</b>	<0.0050	<b>0.19</b>	<b>0.11</b>	0.0050	0.010
Dibenzo(a,h)anthracene	<b>0.99</b>	<0.010	<b>0.096</b>	<b>0.060</b>	0.010	0.010
Fluoranthene	<b>2.0</b>	<0.0050	<b>0.15</b>	<b>0.085</b>	0.0050	0.010
Fluorene	<b>0.061</b>	<0.0050	<0.0050	<0.0050	0.0050	0.010
Indeno (1,2,3-cd) pyrene	<b>3.8</b>	<0.020	<b>0.35</b>	<b>0.19 J</b>	0.020	0.040
2-Methylnaphthalene	<0.025	<0.0050	<0.0050	<0.0050	0.0050	0.010
Naphthalene	<b>0.053</b>	<0.0040	<0.0040	<0.0040	0.0040	0.010
Phenanthrene	<b>0.51</b>	<0.0030	<b>0.049</b>	<b>0.025</b>	0.0030	0.010
Pyrene	<b>1.9</b>	<0.0040	<b>0.15</b>	<b>0.069</b>	0.0040	0.010
Benzo(a)pyrene-equivalents	<b>18</b>	<b>0.026</b>	<b>1.6</b>	<b>0.94</b>	0.0030	0.010

<u>Surrogates</u>					<u>%REC Limits</u>
2-Fluorobiphenyl	78%	59%	61%	68%	43-116
Terphenyl-d14	135%	78%	82%	86%	33-141

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** PAHs SIM by EPA 8270C

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/kg dry

<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/17/12	10/17/12	10/17/12	10/17/12		
<b>Date Analyzed:</b>	10/19/12	10/19/12	10/19/12	10/19/12		
<b>AA ID No:</b>	2J05015-13	2J05015-14	2J05015-15	2J05015-16		
<b>Client ID No:</b>	CEB-AVI-12 (2')	CEB-AVI-13 (2')	CEB-AVI-14 (2')	CEB-AIV-10 (2')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	5	1	MDL	MRL

### 8270C PAHs SIM (EPA 8270M)

Acenaphthene	<b>0.029</b>	<0.0050	<b>1.5</b>	<b>0.092</b>	0.0050	0.010
Acenaphthylene	<0.0050	<0.0050	<0.025	<0.0050	0.0050	0.010
Anthracene	<b>0.017</b>	<0.0040	<b>0.41</b>	<b>0.045</b>	0.0040	0.010
Benzo(a)anthracene	<b>0.28</b>	<b>0.072</b>	<b>6.2</b>	<b>0.83</b>	0.0060	0.010
Benzo(a)pyrene	<b>0.35</b>	<b>0.074</b>	<b>9.6</b>	<b>1.0</b>	0.0040	0.010
Benzo(b)fluoranthene	<b>0.24</b>	<b>0.056</b>	<b>5.5</b>	<b>0.77</b>	0.0060	0.010
Benzo(g,h,i)perylene	<b>0.20</b>	<b>0.046</b>	<b>5.1</b>	<b>0.64</b>	0.0050	0.010
Benzo(k)fluoranthene	<b>0.16</b>	<b>0.036</b>	<b>5.7</b>	<b>0.47</b>	0.0030	0.010
Chrysene	<b>0.23</b>	<b>0.052</b>	<b>6.0</b>	<b>0.63</b>	0.0050	0.010
Dibenzo(a,h)anthracene	<b>0.099</b>	<b>0.024</b>	<b>2.3</b>	<b>0.30</b>	0.010	0.010
Fluoranthene	<b>0.18</b>	<b>0.065</b>	<b>4.6</b>	<b>0.52</b>	0.0050	0.010
Fluorene	<0.0050	<0.0050	<b>0.14</b>	<b>0.011</b>	0.0050	0.010
Indeno (1,2,3-cd) pyrene	<b>0.35</b>	<b>0.074</b>	<b>8.1</b>	<b>1.2</b>	0.020	0.040
2-Methylnaphthalene	<0.0050	<0.0050	<b>0.056</b>	<0.0050	0.0050	0.010
Naphthalene	<0.0040	<0.0040	<b>0.12</b>	<0.0040	0.0040	0.010
Phenanthrene	<b>0.041</b>	<b>0.026</b>	<b>1.1</b>	<b>0.11</b>	0.0030	0.010
Pyrene	<b>0.17</b>	<b>0.051</b>	<b>5.0</b>	<b>0.46</b>	0.0040	0.010
Benzo(a)pyrene-equivalents	<b>1.7</b>	<b>0.39</b>	<b>43</b>	<b>5.2</b>	0.0030	0.010

<u>Surrogates</u>					<u>%REC Limits</u>
2-Fluorobiphenyl	57%	72%	78%	71%	43-116
Terphenyl-d14	74%	95%	122%	99%	33-141

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** PAHs SIM by EPA 8270C

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/kg dry

<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/17/12	10/17/12	10/17/12		
<b>Date Analyzed:</b>	10/19/12	10/19/12	10/19/12		
<b>AA ID No:</b>	2J05015-17	2J05015-18	2J05015-19		
<b>Client ID No:</b>	CEB-AIV-11 (2')	CEB-AIV-12 (2')	CEB-AIV-13 (2')		
<b>Matrix:</b>	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	MDL	MRL

### 8270C PAHs SIM (EPA 8270M)

Acenaphthene	<b>0.053</b>	<b>0.029</b>	<b>0.14</b>	0.0050	0.010
Acenaphthylene	<0.0050	<0.0050	<0.0050	0.0050	0.010
Anthracene	<b>0.029</b>	<b>0.016</b>	<b>0.081</b>	0.0040	0.010
Benzo(a)anthracene	<b>0.56</b>	<b>0.25</b>	<b>1.7</b>	0.0060	0.010
Benzo(a)pyrene	<b>0.79</b>	<b>0.41</b>	<b>2.1</b>	0.0040	0.010
Benzo(b)fluoranthene	<b>0.48</b>	<b>0.28</b>	<b>0.95</b>	0.0060	0.010
Benzo(g,h,i)perylene	<b>0.47</b>	<b>0.24</b>	<b>1.1</b>	0.0050	0.010
Benzo(k)fluoranthene	<b>0.44</b>	<b>0.19</b>	<b>0.99</b>	0.0030	0.010
Chrysene	<b>0.48</b>	<b>0.28</b>	<b>1.2</b>	0.0050	0.010
Dibenzo(a,h)anthracene	<b>0.22</b>	<b>0.10</b>	<b>0.50</b>	0.010	0.010
Fluoranthene	<b>0.38</b>	<b>0.21</b>	<b>1.1</b>	0.0050	0.010
Fluorene	<0.0050	<0.0050	<b>0.020</b>	0.0050	0.010
Indeno (1,2,3-cd) pyrene	<b>0.84</b>	<b>0.41</b>	<b>2.2</b>	0.020	0.040
2-Methylnaphthalene	<0.0050	<0.0050	<0.0050	0.0050	0.010
Naphthalene	<0.0040	<0.0040	<b>0.017</b>	0.0040	0.010
Phenanthrene	<b>0.072</b>	<b>0.035</b>	<b>0.25 J</b>	0.0030	0.010
Pyrene	<b>0.36</b>	<b>0.21</b>	<b>1.0</b>	0.0040	0.010
Benzo(a)pyrene-equivalents	<b>3.8</b>	<b>1.9</b>	<b>9.6</b>	0.0030	0.010

<u>Surrogates</u>				<u>%REC Limits</u>	
2-Fluorobiphenyl	46%	70%	66%	43-116	
Terphenyl-d14	62%	110%	100%	33-141	

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** PAHs SIM by EPA 8270C

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/kg wet

<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/17/12	10/18/12	10/18/12	10/18/12		
<b>Date Analyzed:</b>	10/19/12	10/19/12	10/19/12	10/19/12		
<b>AA ID No:</b>	2J05015-20	2J05015-21	2J05015-22	2J05015-23		
<b>Client ID No:</b>	CEB-AIV-14 (4")	CEB-AIV-15 (4")	CEB-AIV-16 (4")	CEB-AI-20 (4")		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

### 8270C PAHs SIM (EPA 8270M)

Acenaphthene	<b>0.034</b>	<0.0050	<0.0050	<0.0050	0.0050	0.010
Acenaphthylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	0.010
Anthracene	<b>0.020</b>	<0.0040	<0.0040	<0.0040	0.0040	0.010
Benzo(a)anthracene	<b>0.28</b>	<b>0.077</b>	<b>0.029</b>	<b>0.022</b>	0.0060	0.010
Benzo(a)pyrene	<b>0.39</b>	<b>0.082</b>	<b>0.022</b>	<b>0.022</b>	0.0040	0.010
Benzo(b)fluoranthene	<b>0.22</b>	<b>0.042</b>	<b>0.018</b>	<b>0.017</b>	0.0060	0.010
Benzo(g,h,i)perylene	<b>0.22</b>	<b>0.052</b>	<b>0.016</b>	<b>0.016</b>	0.0050	0.010
Benzo(k)fluoranthene	<b>0.26</b>	<b>0.036</b>	<b>0.011</b>	<b>0.011</b>	0.0030	0.010
Chrysene	<b>0.26</b>	<b>0.055</b>	<b>0.023</b>	<b>0.016</b>	0.0050	0.010
Dibenzo(a,h)anthracene	<b>0.12</b>	<b>0.027</b>	<0.010	<0.010	0.010	0.010
Fluoranthene	<b>0.22</b>	<b>0.044</b>	<b>0.028</b>	<b>0.014</b>	0.0050	0.010
Fluorene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	0.010
Indeno (1,2,3-cd) pyrene	<b>0.39 J</b>	<b>0.088</b>	<b>0.025 J</b>	<b>0.028 J</b>	0.020	0.040
2-Methylnaphthalene	<0.0050	<0.0050	<b>0.070</b>	<0.0050	0.0050	0.010
Naphthalene	<0.0040	<0.0040	<b>0.12</b>	<0.0040	0.0040	0.010
Phenanthrene	<b>0.043</b>	<0.0030	<b>0.026</b>	<0.0030	0.0030	0.010
Pyrene	<b>0.19</b>	<b>0.038</b>	<b>0.021</b>	<b>0.012</b>	0.0040	0.010
Benzo(a)pyrene-equivalents	<b>1.9</b>	<b>0.41</b>	<b>0.13</b>	<b>0.12</b>	0.0030	0.010

<u>Surrogates</u>					<u>%REC Limits</u>
2-Fluorobiphenyl	71%	74%	69%	64%	43-116
Terphenyl-dl4	79%	92%	73%	89%	33-141

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** PAHs SIM by EPA 8270C

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/kg wet

<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/18/12	10/18/12	10/18/12	10/18/12		
<b>Date Analyzed:</b>	10/19/12	10/19/12	10/19/12	10/19/12		
<b>AA ID No:</b>	2J05015-24	2J05015-25	2J05015-26	2J05015-27		
<b>Client ID No:</b>	CEB-AI-21 (4")	CEB-AI-22 (4")	CEB-AI-23 (4")	CEB-AI-24 (4")		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

### 8270C PAHs SIM (EPA 8270M)

Acenaphthene	<0.0050	<b>0.014</b>	<b>0.028</b>	<0.0050	0.0050	0.010
Acenaphthylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	0.010
Anthracene	<0.0040	<0.0040	<b>0.014</b>	<0.0040	0.0040	0.010
Benzo(a)anthracene	<b>0.070</b>	<b>0.11</b>	<b>0.18</b>	<b>0.050</b>	0.0060	0.010
Benzo(a)pyrene	<b>0.077</b>	<b>0.21</b>	<b>0.26</b>	<b>0.058</b>	0.0040	0.010
Benzo(b)fluoranthene	<b>0.041</b>	<b>0.14</b>	<b>0.14</b>	<b>0.043</b>	0.0060	0.010
Benzo(g,h,i)perylene	<b>0.051</b>	<b>0.12</b>	<b>0.14</b>	<b>0.036</b>	0.0050	0.010
Benzo(k)fluoranthene	<b>0.027</b>	<b>0.067</b>	<b>0.15</b>	<b>0.025</b>	0.0030	0.010
Chrysene	<b>0.049</b>	<b>0.12</b>	<b>0.15</b>	<b>0.037</b>	0.0050	0.010
Dibenzo(a,h)anthracene	<b>0.028</b>	<b>0.058</b>	<b>0.065</b>	<b>0.018</b>	0.010	0.010
Fluoranthene	<b>0.051</b>	<b>0.11</b>	<b>0.11</b>	<b>0.034</b>	0.0050	0.010
Fluorene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	0.010
Indeno (1,2,3-cd) pyrene	<b>0.082</b>	<b>0.21</b>	<b>0.24</b>	<b>0.065</b>	0.020	0.040
2-Methylnaphthalene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	0.010
Naphthalene	<0.0040	<0.0040	<0.0040	<0.0040	0.0040	0.010
Phenanthrene	<b>0.014</b>	<b>0.021</b>	<b>0.026</b>	<0.0030	0.0030	0.010
Pyrene	<b>0.038</b>	<b>0.095</b>	<b>0.12</b>	<b>0.029</b>	0.0040	0.010
Benzo(a)pyrene-equivalents	<b>0.37</b>	<b>0.92</b>	<b>1.2</b>	<b>0.30</b>	0.0030	0.010

<u>Surrogates</u>					<u>%REC Limits</u>
2-Fluorobiphenyl	80%	68%	66%	64%	43-116
Terphenyl-dl4	94%	94%	108%	93%	33-141

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** PAHs SIM by EPA 8270C

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/kg wet

<b>Date Sampled:</b>	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/18/12	10/18/12		
<b>Date Analyzed:</b>	10/19/12	10/19/12		
<b>AA ID No:</b>	2J05015-28	2J05015-29		
<b>Client ID No:</b>	CEB-AI-25 (4")	CEB-AI-26 (4")		
<b>Matrix:</b>	Soil	Soil		
<b>Dilution Factor:</b>	1	1	MDL	MRL

### 8270C PAHs SIM (EPA 8270M)

			MDL	MRL
Acenaphthene	<b>0.055</b>	<b>0.057</b>	0.0050	0.010
Acenaphthylene	<0.0050	<0.0050	0.0050	0.010
Anthracene	<b>0.026</b>	<b>0.031</b>	0.0040	0.010
Benzo(a)anthracene	<b>0.47</b>	<b>0.61</b>	0.0060	0.010
Benzo(a)pyrene	<b>0.70</b>	<b>0.81</b>	0.0040	0.010
Benzo(b)fluoranthene	<b>0.42</b>	<b>0.54</b>	0.0060	0.010
Benzo(g,h,i)perylene	<b>0.42</b>	<b>0.47</b>	0.0050	0.010
Benzo(k)fluoranthene	<b>0.37</b>	<b>0.34</b>	0.0030	0.010
Chrysene	<b>0.38</b>	<b>0.45</b>	0.0050	0.010
Dibenzo(a,h)anthracene	<b>0.18</b>	<b>0.23</b>	0.010	0.010
Fluoranthene	<b>0.29</b>	<b>0.36</b>	0.0050	0.010
Fluorene	<0.0050	<0.0050	0.0050	0.010
Indeno (1,2,3-cd) pyrene	<b>0.70</b>	<b>0.82</b>	0.020	0.040
2-Methylnaphthalene	<0.0050	<0.0050	0.0050	0.010
Naphthalene	<0.0040	<0.0040	0.0040	0.010
Phenanthrene	<b>0.066</b>	<b>0.078</b>	0.0030	0.010
Pyrene	<b>0.30</b>	<b>0.34</b>	0.0040	0.010
Benzo(a)pyrene-equivalents	<b>3.2</b>	<b>3.8</b>	0.0030	0.010

<u>Surrogates</u>			<u>%REC Limits</u>
2-Fluorobiphenyl	56%	62%	43-116
Terphenyl-dl4	88%	94%	33-141

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** Soluble Metals STLC by ICP

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/L dry

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<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/29/12	10/29/12	10/29/12	10/29/12		
<b>Date Analyzed:</b>	10/29/12	10/29/12	10/29/12	10/29/12		
<b>AA ID No:</b>	2J05015-04	2J05015-07	2J05015-08	2J05015-09		
<b>Client ID No:</b>	CEB-AI-17 (2')	CEB-AI-20 (2')	CEB-AVI-7 (2')	CEB-AVI-8 (2')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

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**Metals STLC (EPA 6010B)**

Lead	<b>83</b>	<b>0.55</b>	<b>3.5</b>	<b>6.1</b>	0.10	0.10
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** Soluble Metals STLC by ICP

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/L dry

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<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/29/12	10/22/12	10/22/12	10/22/12		
<b>Date Analyzed:</b>	10/29/12	10/23/12	10/23/12	10/23/12		
<b>AA ID No:</b>	2J05015-13	2J05015-15	2J05015-16	2J05015-17		
<b>Client ID No:</b>	CEB-AVI-12 (2')	CEB-AVI-14 (2')	CEB-AIV-10 (2')	CEB-AIV-11 (2')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

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### Metals STLC (EPA 6010B)

Lead	4.0	39	26	54	0.10	0.10
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** Soluble Metals STLC by ICP

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/L dry

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<b>Date Sampled:</b>	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/22/12	10/22/12		
<b>Date Analyzed:</b>	10/23/12	10/23/12		
<b>AA ID No:</b>	2J05015-18	2J05015-19		
<b>Client ID No:</b>	CEB-AIV-12 (2')	CEB-AIV-13 (2')		
<b>Matrix:</b>	Soil	Soil		
<b>Dilution Factor:</b>	1	1	MDL	MRL

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### Metals STLC (EPA 6010B)

Lead	42	24	0.10	0.10
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** Soluble Metals STLC by ICP

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/L wet

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<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/22/12	10/22/12	10/22/12	10/29/12		
<b>Date Analyzed:</b>	10/23/12	10/23/12	10/23/12	10/29/12		
<b>AA ID No:</b>	2J05015-20	2J05015-21	2J05015-22	2J05015-29		
<b>Client ID No:</b>	CEB-AIV-14 (4")	CEB-AIV-15 (4")	CEB-AIV-16 (4")	CEB-AI-26 (4")		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

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**Metals STLC (EPA 6010B)**

Lead	26	13	48	1.5	0.10	0.10
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** Soluble Metals TCLP by ICP

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/L dry

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<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/24/12	10/24/12	10/24/12	10/24/12		
<b>Date Analyzed:</b>	10/25/12	10/25/12	10/25/12	10/25/12		
<b>AA ID No:</b>	2J05015-15	2J05015-16	2J05015-17	2J05015-18		
<b>Client ID No:</b>	CEB-AVI-14 (2')	CEB-AIV-10 (2')	CEB-AIV-11 (2')	CEB-AIV-12 (2')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

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**Metals TCLP (EPA 6010B)**

Lead	<b>1.8</b>	<b>1.1</b>	<b>0.47</b>	<b>1.8</b>	0.10	0.10
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** Soluble Metals TCLP by ICP

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/L dry

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<b>Date Sampled:</b>	10/04/12		
<b>Date Prepared:</b>	10/24/12		
<b>Date Analyzed:</b>	10/25/12		
<b>AA ID No:</b>	2J05015-19		
<b>Client ID No:</b>	CEB-AIV-13 (2')		
<b>Matrix:</b>	Soil		
<b>Dilution Factor:</b>	1	MDL	MRL

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### Metals TCLP (EPA 6010B)

Lead	<b>0.70</b>	0.10	0.10
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** Soluble Metals TCLP by ICP

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/L wet

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<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/24/12	10/24/12	10/24/12		
<b>Date Analyzed:</b>	10/25/12	10/25/12	10/25/12		
<b>AA ID No:</b>	2J05015-20	2J05015-21	2J05015-22		
<b>Client ID No:</b>	CEB-AIV-14 (4")	CEB-AIV-15 (4")	CEB-AIV-16 (4")		
<b>Matrix:</b>	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	MDL	MRL

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**Metals TCLP (EPA 6010B)**

Lead	<b>0.67</b>	<b>0.45</b>	<b>0.91</b>	0.10	0.10
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

<b>Client:</b>	Cal Environmental	<b>AA Project No:</b>	A243630
<b>Project No:</b>	NA	<b>Date Received:</b>	10/04/12
<b>Project Name:</b>	Chatsworth Park	<b>Date Reported:</b>	11/01/12
<b>Method:</b>	Total Metals by EPA 6010B	<b>Units:</b>	mg/kg dry

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<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/16/12	10/16/12	10/16/12	10/16/12		
<b>Date Analyzed:</b>	10/17/12	10/17/12	10/17/12	10/17/12		
<b>AA ID No:</b>	2J05015-01	2J05015-02	2J05015-03	2J05015-04		
<b>Client ID No:</b>	CEB-AI-14 (2')	CEB-AI-15 (2')	CEB-AI-16 (2')	CEB-AI-17 (2')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

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**Metals Total 6010B (EPA 6010B)**

Lead	20	12	19	71	1.0	3.0
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental

**Project No:** NA

**Project Name:** Chatsworth Park

**Method:** Total Metals by EPA 6010B

**AA Project No:** A243630

**Date Received:** 10/04/12

**Date Reported:** 11/01/12

**Units:** mg/kg dry

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<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/16/12	10/16/12	10/16/12	10/16/12		
<b>Date Analyzed:</b>	10/17/12	10/17/12	10/17/12	10/17/12		
<b>AA ID No:</b>	2J05015-05	2J05015-06	2J05015-07	2J05015-08		
<b>Client ID No:</b>	CEB-AI-18 (2')	CEB-AI-19 (2')	CEB-AI-20 (2')	CEB-AVI-7 (2')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

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**Metals Total 6010B (EPA 6010B)**

Lead	6.5	23	66	88	1.0	3.0
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental

**Project No:** NA

**Project Name:** Chatsworth Park

**Method:** Total Metals by EPA 6010B

**AA Project No:** A243630

**Date Received:** 10/04/12

**Date Reported:** 11/01/12

**Units:** mg/kg dry

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<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/16/12	10/16/12	10/16/12	10/16/12		
<b>Date Analyzed:</b>	10/17/12	10/17/12	10/17/12	10/17/12		
<b>AA ID No:</b>	2J05015-09	2J05015-10	2J05015-11	2J05015-12		
<b>Client ID No:</b>	CEB-AVI-8 (2')	CEB-AVI-9 (2')	CEB-AVI-10 (2')	CEB-AVI-11 (2')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

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**Metals Total 6010B (EPA 6010B)**

Lead	<b>92</b>	<b>8.2</b>	<b>17</b>	<b>15</b>	1.0	3.0
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** Total Metals by EPA 6010B

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/kg dry

<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/16/12	10/16/12	10/16/12	10/16/12		
<b>Date Analyzed:</b>	10/17/12	10/17/12	10/17/12	10/17/12		
<b>AA ID No:</b>	2J05015-13	2J05015-14	2J05015-15	2J05015-16		
<b>Client ID No:</b>	CEB-AVI-12 (2')	CEB-AVI-13 (2')	CEB-AVI-14 (2')	CEB-AIV-10 (2')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

**Metals Total 6010B (EPA 6010B)**

Lead	<b>71</b>	<b>17</b>	<b>620</b>	<b>390</b>	1.0	3.0
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*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental

**Project No:** NA

**Project Name:** Chatsworth Park

**Method:** Total Metals by EPA 6010B

**AA Project No:** A243630

**Date Received:** 10/04/12

**Date Reported:** 11/01/12

**Units:** mg/kg dry

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<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/16/12	10/16/12	10/16/12		
<b>Date Analyzed:</b>	10/17/12	10/17/12	10/17/12		
<b>AA ID No:</b>	2J05015-17	2J05015-18	2J05015-19		
<b>Client ID No:</b>	CEB-AIV-11 (2')	CEB-AIV-12 (2')	CEB-AIV-13 (2')		
<b>Matrix:</b>	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	MDL	MRL

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**Metals Total 6010B (EPA 6010B)**

Lead	<b>200</b>	<b>580</b>	<b>300</b>	1.0	3.0
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

<b>Client:</b>	Cal Environmental	<b>AA Project No:</b>	A243630
<b>Project No:</b>	NA	<b>Date Received:</b>	10/04/12
<b>Project Name:</b>	Chatsworth Park	<b>Date Reported:</b>	11/01/12
<b>Method:</b>	Total Metals by EPA 6010B	<b>Units:</b>	mg/kg wet

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<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/16/12	10/16/12	10/16/12	10/16/12		
<b>Date Analyzed:</b>	10/17/12	10/17/12	10/17/12	10/17/12		
<b>AA ID No:</b>	2J05015-20	2J05015-21	2J05015-22	2J05015-23		
<b>Client ID No:</b>	CEB-AIV-14 (4")	CEB-AIV-15 (4")	CEB-AIV-16 (4")	CEB-AI-20 (4")		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

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### Metals Total 6010B (EPA 6010B)

Lead	<b>480</b>	<b>250</b>	<b>960</b>	<b>12</b>	1.0	3.0
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental

**Project No:** NA

**Project Name:** Chatsworth Park

**Method:** Total Metals by EPA 6010B

**AA Project No:** A243630

**Date Received:** 10/04/12

**Date Reported:** 11/01/12

**Units:** mg/kg wet

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<b>Date Sampled:</b>	10/04/12	10/04/12	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/16/12	10/16/12	10/16/12	10/16/12		
<b>Date Analyzed:</b>	10/17/12	10/17/12	10/17/12	10/17/12		
<b>AA ID No:</b>	2J05015-24	2J05015-25	2J05015-26	2J05015-27		
<b>Client ID No:</b>	CEB-AI-21 (4")	CEB-AI-22 (4")	CEB-AI-23 (4")	CEB-AI-24 (4")		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

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**Metals Total 6010B (EPA 6010B)**

Lead	11	5.6	8.9	8.2	1.0	3.0
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental

**Project No:** NA

**Project Name:** Chatsworth Park

**Method:** Total Metals by EPA 6010B

**AA Project No:** A243630

**Date Received:** 10/04/12

**Date Reported:** 11/01/12

**Units:** mg/kg wet

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<b>Date Sampled:</b>	10/04/12	10/04/12		
<b>Date Prepared:</b>	10/16/12	10/16/12		
<b>Date Analyzed:</b>	10/17/12	10/17/12		
<b>AA ID No:</b>	2J05015-28	2J05015-29		
<b>Client ID No:</b>	CEB-AI-25 (4")	CEB-AI-26 (4")		
<b>Matrix:</b>	Soil	Soil		
<b>Dilution Factor:</b>	1	1	MDL	MRL

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**Metals Total 6010B (EPA 6010B)**

Lead	21	55	1.0	3.0
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** General Chemistry Analyses

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<b><u>Solids, Dry Weight - Gravimetric (% Calculation)</u></b>									
2J05015-01	CEB-AI-14 (2')	10/04/12	10/12/12	10/12/12	1	98.5	% by Weight	0.1	0.1
2J05015-02	CEB-AI-15 (2')	10/04/12	10/12/12	10/12/12	1	98.8	% by Weight	0.1	0.1
2J05015-03	CEB-AI-16 (2')	10/04/12	10/12/12	10/12/12	1	98.2	% by Weight	0.1	0.1
2J05015-04	CEB-AI-17 (2')	10/04/12	10/12/12	10/12/12	1	98.1	% by Weight	0.1	0.1
2J05015-05	CEB-AI-18 (2')	10/04/12	10/12/12	10/12/12	1	97.8	% by Weight	0.1	0.1
2J05015-06	CEB-AI-19 (2')	10/04/12	10/12/12	10/12/12	1	99.2	% by Weight	0.1	0.1
2J05015-07	CEB-AI-20 (2')	10/04/12	10/12/12	10/12/12	1	98.9	% by Weight	0.1	0.1
2J05015-08	CEB-AVI-7 (2')	10/04/12	10/12/12	10/12/12	1	97.1	% by Weight	0.1	0.1
2J05015-09	CEB-AVI-8 (2')	10/04/12	10/12/12	10/12/12	1	98.2	% by Weight	0.1	0.1
2J05015-10	CEB-AVI-9 (2')	10/04/12	10/12/12	10/12/12	1	95.4	% by Weight	0.1	0.1
2J05015-11	CEB-AVI-10 (2')	10/04/12	10/12/12	10/12/12	1	97.4	% by Weight	0.1	0.1
2J05015-12	CEB-AVI-11 (2')	10/04/12	10/16/12	10/16/12	1	96.7	% by Weight	0.1	0.1
2J05015-13	CEB-AVI-12 (2')	10/04/12	10/16/12	10/16/12	1	97.0	% by Weight	0.1	0.1
2J05015-14	CEB-AVI-13 (2')	10/04/12	10/16/12	10/16/12	1	97.3	% by Weight	0.1	0.1
2J05015-15	CEB-AVI-14 (2')	10/04/12	10/16/12	10/16/12	1	96.8	% by Weight	0.1	0.1

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** General Chemistry Analyses

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<b><u>Solids, Dry Weight - Gravimetric (% Calculation)</u></b>									
2J05015-16	CEB-AIV-10 (2')	10/04/12	10/16/12	10/16/12	1	<b>98.3</b>	% by Weight	0.1	0.1
2J05015-17	CEB-AIV-11 (2')	10/04/12	10/16/12	10/16/12	1	<b>98.2</b>	% by Weight	0.1	0.1
2J05015-18	CEB-AIV-12 (2')	10/04/12	10/16/12	10/16/12	1	<b>98.2</b>	% by Weight	0.1	0.1
2J05015-19	CEB-AIV-13 (2')	10/04/12	10/16/12	10/16/12	1	<b>97.4</b>	% by Weight	0.1	0.1

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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**PAHs SIM by EPA 8270C - Quality Control**

Batch B2J1702 - EPA 3545 MS

**Blank (B2J1702-BLK1)**

Prepared: 10/17/12 Analyzed: 10/19/12

Acenaphthene	<0.0050	0.0050	mg/kg wet						
Acenaphthylene	<0.0050	0.0050	mg/kg wet						
Anthracene	<0.0040	0.0040	mg/kg wet						
Benzo(a)anthracene	<0.0060	0.0060	mg/kg wet						
Benzo(a)pyrene	<0.0040	0.0040	mg/kg wet						
Benzo(b)fluoranthene	<0.0060	0.0060	mg/kg wet						
Benzo(g,h,i)perylene	<0.0050	0.0050	mg/kg wet						
Benzo(k)fluoranthene	<0.0030	0.0030	mg/kg wet						
Chrysene	<0.0050	0.0050	mg/kg wet						
Dibenzo(a,h)anthracene	<0.010	0.010	mg/kg wet						
Fluoranthene	<0.0050	0.0050	mg/kg wet						
Fluorene	<0.0050	0.0050	mg/kg wet						
Indeno (1,2,3-cd) pyrene	<0.020	0.020	mg/kg wet						
2-Methylnaphthalene	<0.0050	0.0050	mg/kg wet						
Naphthalene	<0.0040	0.0040	mg/kg wet						
Phenanthrene	<0.0030	0.0030	mg/kg wet						
Pyrene	<0.0040	0.0040	mg/kg wet						

Surrogate: 2-Fluorobiphenyl

0.0264

mg/kg wet 0.040

66.0 43-116

Surrogate: Terphenyl-d14

0.0390

mg/kg wet 0.040

97.5 33-141

**LCS (B2J1702-BS1)**

Prepared: 10/17/12 Analyzed: 10/19/12

Acenaphthene	<b>0.0436</b>	0.0050	mg/kg wet	0.040	109	30-140	40
Acenaphthylene	<b>0.0334</b>	0.0050	mg/kg wet	0.040	83.5	30-140	40
Anthracene	<b>0.0396</b>	0.0040	mg/kg wet	0.040	99.0	30-140	40
Benzo(a)anthracene	<b>0.0552</b>	0.0060	mg/kg wet	0.040	138	30-140	40
Benzo(a)pyrene	<b>0.0334</b>	0.0040	mg/kg wet	0.040	83.5	30-140	40
Benzo(b)fluoranthene	<b>0.0284</b>	0.0060	mg/kg wet	0.040	71.0	30-140	40
Benzo(g,h,i)perylene	<b>0.0274</b>	0.0050	mg/kg wet	0.040	68.5	30-140	40
Benzo(k)fluoranthene	<b>0.0304</b>	0.0030	mg/kg wet	0.040	76.0	30-140	40
Chrysene	<b>0.0344</b>	0.0050	mg/kg wet	0.040	86.0	30-140	40
Dibenzo(a,h)anthracene	<b>0.0272</b>	0.010	mg/kg wet	0.040	68.0	30-140	40
Fluoranthene	<b>0.0456</b>	0.0050	mg/kg wet	0.040	114	30-140	40

Eydie Schwartz

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>PAHs SIM by EPA 8270C - Quality Control</b>										
<i>Batch B2J1702 - EPA 3545 MS</i>										
<b>LCS (B2J1702-BS1) Continued</b>										
Prepared: 10/17/12 Analyzed: 10/19/12										
Fluorene	0.0402	0.0050	mg/kg wet	0.040		100	30-140		40	
Indeno (1,2,3-cd) pyrene	0.0522	0.020	mg/kg wet	0.040		130	30-140		40	
2-Methylnaphthalene	0.0290	0.0050	mg/kg wet	0.040		72.5	30-140		40	
Naphthalene	0.0264	0.0040	mg/kg wet	0.040		66.0	30-140		40	
Phenanthrene	0.0346	0.0030	mg/kg wet	0.040		86.5	30-140		40	
Pyrene	0.0322	0.0040	mg/kg wet	0.040		80.5	30-140		40	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.0194</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>48.5</i>	<i>43-116</i>			
<i>Surrogate: Terphenyl-dl4</i>	<i>0.0398</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>99.5</i>	<i>33-141</i>			
<b>LCS Dup (B2J1702-BSD1)</b>										
Prepared: 10/17/12 Analyzed: 10/19/12										
Acenaphthene	0.0414	0.0050	mg/kg wet	0.040		104	30-140	5.18	40	
Acenaphthylene	0.0414	0.0050	mg/kg wet	0.040		104	30-140	21.4	40	
Anthracene	0.0350	0.0040	mg/kg wet	0.040		87.5	30-140	12.3	40	
Benzo(a)anthracene	0.0492	0.0060	mg/kg wet	0.040		123	30-140	11.5	40	
Benzo(a)pyrene	0.0288	0.0040	mg/kg wet	0.040		72.0	30-140	14.8	40	
Benzo(b)fluoranthene	0.0230	0.0060	mg/kg wet	0.040		57.5	30-140	21.0	40	
Benzo(g,h,i)perylene	0.0242	0.0050	mg/kg wet	0.040		60.5	30-140	12.4	40	
Benzo(k)fluoranthene	0.0242	0.0030	mg/kg wet	0.040		60.5	30-140	22.7	40	
Chrysene	0.0304	0.0050	mg/kg wet	0.040		76.0	30-140	12.3	40	
Dibenzo(a,h)anthracene	0.0244	0.010	mg/kg wet	0.040		61.0	30-140	10.9	40	
Fluoranthene	0.0390	0.0050	mg/kg wet	0.040		97.5	30-140	15.6	40	
Fluorene	0.0326	0.0050	mg/kg wet	0.040		81.5	30-140	20.9	40	
Indeno (1,2,3-cd) pyrene	0.0550	0.020	mg/kg wet	0.040		138	30-140	5.22	40	
2-Methylnaphthalene	0.0292	0.0050	mg/kg wet	0.040		73.0	30-140	0.687	40	
Naphthalene	0.0322	0.0040	mg/kg wet	0.040		80.5	30-140	19.8	40	
Phenanthrene	0.0310	0.0030	mg/kg wet	0.040		77.5	30-140	11.0	40	
Pyrene	0.0276	0.0040	mg/kg wet	0.040		69.0	30-140	15.4	40	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.0292</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>73.0</i>	<i>43-116</i>			
<i>Surrogate: Terphenyl-dl4</i>	<i>0.0380</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>95.0</i>	<i>33-141</i>			
<i>Batch B2J1801 - EPA 3545 MS</i>										
<b>Blank (B2J1801-BLK1)</b>										
Prepared: 10/18/12 Analyzed: 10/19/12										
Acenaphthene	<0.0050	0.0050	mg/kg wet							

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Cal Environmental  
 Project No: NA  
 Project Name: Chatsworth Park

AA Project No: A243630  
 Date Received: 10/04/12  
 Date Reported: 11/01/12

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**PAHs SIM by EPA 8270C - Quality Control**

Batch B2J1801 - EPA 3545 MS

**Blank (B2J1801-BLK1) Continued**

Prepared: 10/18/12 Analyzed: 10/19/12

Acenaphthylene	<0.0050	0.0050	mg/kg wet
Anthracene	<0.0040	0.0040	mg/kg wet
Benzo(a)anthracene	<0.0060	0.0060	mg/kg wet
Benzo(a)pyrene	<0.0040	0.0040	mg/kg wet
Benzo(b)fluoranthene	<0.0060	0.0060	mg/kg wet
Benzo(g,h,i)perylene	<0.0050	0.0050	mg/kg wet
Benzo(k)fluoranthene	<0.0030	0.0030	mg/kg wet
Chrysene	<0.0050	0.0050	mg/kg wet
Dibenzo(a,h)anthracene	<0.010	0.010	mg/kg wet
Fluoranthene	<0.0050	0.0050	mg/kg wet
Fluorene	<0.0050	0.0050	mg/kg wet
Indeno (1,2,3-cd) pyrene	<0.020	0.020	mg/kg wet
2-Methylnaphthalene	<0.0050	0.0050	mg/kg wet
Naphthalene	<0.0040	0.0040	mg/kg wet
Phenanthrene	<0.0030	0.0030	mg/kg wet
Pyrene	<0.0040	0.0040	mg/kg wet

Surrogate: 2-Fluorobiphenyl

0.0324

mg/kg wet 0.040

81.0 43-116

Surrogate: Terphenyl-d14

0.0430

mg/kg wet 0.040

108 33-141

**LCS (B2J1801-BS1)**

Prepared: 10/18/12 Analyzed: 10/19/12

Acenaphthene	<b>0.0434</b>	0.0050	mg/kg wet	0.040	108	30-140	40
Acenaphthylene	<b>0.0352</b>	0.0050	mg/kg wet	0.040	88.0	30-140	40
Anthracene	<b>0.0386</b>	0.0040	mg/kg wet	0.040	96.5	30-140	40
Benzo(a)anthracene	<b>0.0516</b>	0.0060	mg/kg wet	0.040	129	30-140	40
Benzo(a)pyrene	<b>0.0302</b>	0.0040	mg/kg wet	0.040	75.5	30-140	40
Benzo(b)fluoranthene	<b>0.0228</b>	0.0060	mg/kg wet	0.040	57.0	30-140	40
Benzo(g,h,i)perylene	<b>0.0264</b>	0.0050	mg/kg wet	0.040	66.0	30-140	40
Benzo(k)fluoranthene	<b>0.0286</b>	0.0030	mg/kg wet	0.040	71.5	30-140	40
Chrysene	<b>0.0320</b>	0.0050	mg/kg wet	0.040	80.0	30-140	40
Dibenzo(a,h)anthracene	<b>0.0266</b>	0.010	mg/kg wet	0.040	66.5	30-140	40
Fluoranthene	<b>0.0416</b>	0.0050	mg/kg wet	0.040	104	30-140	40
Fluorene	<b>0.0402</b>	0.0050	mg/kg wet	0.040	100	30-140	40

Eydie Schwartz

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**PAHs SIM by EPA 8270C - Quality Control**

Batch B2J1801 - EPA 3545 MS

**LCS (B2J1801-BS1) Continued**

Prepared: 10/18/12 Analyzed: 10/19/12

Indeno (1,2,3-cd) pyrene	0.0496	0.020	mg/kg wet	0.040		124	30-140		40	
2-Methylnaphthalene	0.0326	0.0050	mg/kg wet	0.040		81.5	30-140		40	
Naphthalene	0.0350	0.0040	mg/kg wet	0.040		87.5	30-140		40	
Phenanthrene	0.0354	0.0030	mg/kg wet	0.040		88.5	30-140		40	
Pyrene	0.0338	0.0040	mg/kg wet	0.040		84.5	30-140		40	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.0284</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>71.0</i>	<i>43-116</i>			
<i>Surrogate: Terphenyl-dl4</i>	<i>0.0416</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>104</i>	<i>33-141</i>			

**LCS Dup (B2J1801-BSD1)**

Prepared: 10/18/12 Analyzed: 10/19/12

Acenaphthene	0.0480	0.0050	mg/kg wet	0.040		120	30-140	10.1	40	
Acenaphthylene	0.0400	0.0050	mg/kg wet	0.040		100	30-140	12.8	40	
Anthracene	0.0434	0.0040	mg/kg wet	0.040		108	30-140	11.7	40	
Benzo(a)anthracene	0.0496	0.0060	mg/kg wet	0.040		124	30-140	3.95	40	
Benzo(a)pyrene	0.0340	0.0040	mg/kg wet	0.040		85.0	30-140	11.8	40	
Benzo(b)fluoranthene	0.0268	0.0060	mg/kg wet	0.040		67.0	30-140	16.1	40	
Benzo(g,h,i)perylene	0.0278	0.0050	mg/kg wet	0.040		69.5	30-140	5.17	40	
Benzo(k)fluoranthene	0.0322	0.0030	mg/kg wet	0.040		80.5	30-140	11.8	40	
Chrysene	0.0402	0.0050	mg/kg wet	0.040		100	30-140	22.7	40	
Dibenzo(a,h)anthracene	0.0278	0.010	mg/kg wet	0.040		69.5	30-140	4.41	40	
Fluoranthene	0.0470	0.0050	mg/kg wet	0.040		118	30-140	12.2	40	
Fluorene	0.0452	0.0050	mg/kg wet	0.040		113	30-140	11.7	40	
Indeno (1,2,3-cd) pyrene	0.0548	0.020	mg/kg wet	0.040		137	30-140	9.96	40	
2-Methylnaphthalene	0.0372	0.0050	mg/kg wet	0.040		93.0	30-140	13.2	40	
Naphthalene	0.0404	0.0040	mg/kg wet	0.040		101	30-140	14.3	40	
Phenanthrene	0.0406	0.0030	mg/kg wet	0.040		102	30-140	13.7	40	
Pyrene	0.0354	0.0040	mg/kg wet	0.040		88.5	30-140	4.62	40	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.0310</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>77.5</i>	<i>43-116</i>			
<i>Surrogate: Terphenyl-dl4</i>	<i>0.0426</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>106</i>	<i>33-141</i>			

**General Chemistry Analyses - Quality Control**

Batch B2J1216 - NO PREP

**Duplicate (B2J1216-DUP1)**

**Source: 2J05015-10** Prepared & Analyzed: 10/12/12

Eydie Schwartz

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>General Chemistry Analyses - Quality Control</b>										
<i>Batch B2J1216 - NO PREP</i>										
<b>Duplicate (B2J1216-DUP1) Continued</b> Source: 2J05015-10 Prepared & Analyzed: 10/12/12										
% Solids	95.4	0.100	% by Weight		95.4			0.0210	20	
<i>Batch B2J1605 - NO PREP</i>										
<b>Duplicate (B2J1605-DUP1)</b> Source: 2J05015-19 Prepared & Analyzed: 10/16/12										
% Solids	97.5	0.100	% by Weight		97.4			0.0616	20	
<b>Total Metals by EPA 6010B - Quality Control</b>										
<i>Batch B2J1705 - EPA 3050B</i>										
<b>Blank (B2J1705-BLK1)</b> Prepared: 10/16/12 Analyzed: 10/17/12										
Lead	<1.0	1.0	mg/kg wet							
<b>LCS (B2J1705-BS1)</b> Prepared: 10/16/12 Analyzed: 10/17/12										
Lead	55.0	1.0	mg/kg wet	50		110	80-120		20	
<b>LCS Dup (B2J1705-BSD1)</b> Prepared: 10/16/12 Analyzed: 10/17/12										
Lead	54.2	1.0	mg/kg wet	50		108	80-120	1.47	20	
<b>Duplicate (B2J1705-DUP1)</b> Source: 2J05015-10 Prepared: 10/16/12 Analyzed: 10/17/12										
Lead	8.07	1.0	mg/kg dry		8.19			1.55	40	
<b>Matrix Spike (B2J1705-MS1)</b> Source: 2J05015-10 Prepared: 10/16/12 Analyzed: 10/17/12										
Lead	61.5	1.0	mg/kg dry	52		8.19	102	75-125		40
<b>Matrix Spike Dup (B2J1705-MSD1)</b> Source: 2J05015-10 Prepared: 10/16/12 Analyzed: 10/17/12										
Lead	62.0	1.0	mg/kg dry	52		8.19	103	75-125	0.764	40
<i>Batch B2J1708 - EPA 3050B</i>										
<b>Blank (B2J1708-BLK1)</b> Prepared: 10/16/12 Analyzed: 10/17/12										
Lead	<1.0	1.0	mg/kg wet							
<b>LCS (B2J1708-BS1)</b> Prepared: 10/16/12 Analyzed: 10/17/12										
Lead	50.4	1.0	mg/kg wet	50		101	80-120		20	
<b>LCS Dup (B2J1708-BSD1)</b> Prepared: 10/16/12 Analyzed: 10/17/12										
Lead	50.0	1.0	mg/kg wet	50		100	80-120	0.796	20	
<b>Duplicate (B2J1708-DUP1)</b> Source: 2J05015-20 Prepared: 10/16/12 Analyzed: 10/17/12										
Lead	477	1.0	mg/kg wet		479			0.534	40	

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Total Metals by EPA 6010B - Quality Control</b>										
<i>Batch B2J1708 - EPA 3050B</i>										
<b>Matrix Spike (B2J1708-MS1)</b>				<b>Source: 2J05015-20</b> Prepared: 10/16/12 Analyzed: 10/17/12						
Lead	526	1.0	mg/kg wet	50	479	93.7	75-125		40	
<b>Matrix Spike Dup (B2J1708-MSD1)</b>				<b>Source: 2J05015-20</b> Prepared: 10/16/12 Analyzed: 10/17/12						
Lead	544	1.0	mg/kg wet	50	479	131	75-125	3.46	40	QM-07
<b>Soluble Metals STLC by ICP - Quality Control</b>										
<i>Batch B2J2312 - EPA 3010A</i>										
<b>Blank (B2J2312-BLK1)</b>				Prepared: 10/22/12 Analyzed: 10/23/12						
Lead	<0.10	0.10	mg/L wet							
<b>LCS (B2J2312-BS1)</b>				Prepared: 10/22/12 Analyzed: 10/23/12						
Lead	1.06	0.10	mg/L wet	1.0	106	80-120			20	
<b>LCS Dup (B2J2312-BSD1)</b>				Prepared: 10/22/12 Analyzed: 10/23/12						
Lead	1.11	0.10	mg/L wet	1.0	111	80-120	5.08			20
<b>Duplicate (B2J2312-DUP1)</b>				<b>Source: 2J10012-01</b> Prepared: 10/22/12 Analyzed: 10/23/12						
Lead	56.1	0.10	mg/L wet	57.6				2.64	20	
<i>Batch B2J2910 - EPA 3010A</i>										
<b>Blank (B2J2910-BLK1)</b>				Prepared & Analyzed: 10/29/12						
Lead	<0.10	0.10	mg/L wet							
<b>LCS (B2J2910-BS1)</b>				Prepared & Analyzed: 10/29/12						
Lead	1.06	0.10	mg/L wet	1.0	106	80-120			20	
<b>LCS Dup (B2J2910-BSD1)</b>				Prepared & Analyzed: 10/29/12						
Lead	1.06	0.10	mg/L wet	1.0	106	80-120	0.188			20
<b>Duplicate (B2J2910-DUP1)</b>				<b>Source: 2J04001-16</b> Prepared & Analyzed: 10/29/12						
Lead	5.08	0.10	mg/L dry	5.36				5.34	20	
<b>Soluble Metals TCLP by ICP - Quality Control</b>										
<i>Batch B2J2520 - TCLP by EPA3010A</i>										
<b>Blank (B2J2520-BLK1)</b>				Prepared: 10/24/12 Analyzed: 10/25/12						
Lead	<0.10	0.10	mg/L wet							
<b>LCS (B2J2520-BS1)</b>				Prepared: 10/24/12 Analyzed: 10/25/12						
Lead	1.04	0.10	mg/L wet	1.0	104	80-120			20	
<b>LCS Dup (B2J2520-BSD1)</b>				Prepared: 10/24/12 Analyzed: 10/25/12						

Eydie Schwartz

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Soluble Metals TCLP by ICP - Quality Control</b>										
<i>Batch B2J2520 - TCLP by EPA3010A</i>										
<b>LCS Dup (B2J2520-BSD1) Continued</b>										
Prepared: 10/24/12 Analyzed: 10/25/12										
Lead	1.05	0.10	mg/L wet	1.0		105	80-120	1.15	20	
<b>Duplicate (B2J2520-DUP1)</b>										
Source: 2J05015-17 Prepared: 10/24/12 Analyzed: 10/25/12										
Lead	0.611	0.10	mg/L dry		0.467			26.9	20	AA-C1

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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243630  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

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### Special Notes

- [1] = **AA-C1** : The RPD value exceeds acceptance criteria.
- J** : Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- [2] = **QM-07** : The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



9765 Eton Avenue  
Chatsworth  
California 91311  
Tel: (818) 998-5547  
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October 24, 2012

Charles Buckley  
Cal Environmental  
30423 Canwood Street, Suite 208  
Agoura Hills, CA 91301

**Re : Chatsworth Park  
A243629 / 2J04001**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/04/12 08:50 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Eydie Schwartz  
Project Manager

**LABORATORY ANALYSIS RESULTS**

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
<b><u>8270C PAHs SIM</u></b>					
CEB-AIII-5 (4')	2J04001-01	Soil	5	10/03/12 07:18	10/04/12 08:50
CEB-AIV-6 (2')	2J04001-02	Soil	5	10/03/12 07:35	10/04/12 08:50
CEB-AIV-7 (2')	2J04001-03	Soil	5	10/03/12 07:51	10/04/12 08:50
CEB-AIV-8 (2')	2J04001-04	Soil	5	10/03/12 08:15	10/04/12 08:50
CEB-AIV-9 (2')	2J04001-05	Soil	5	10/03/12 08:25	10/04/12 08:50
CEB-AVIII-4 (4')	2J04001-06	Soil	5	10/03/12 08:50	10/04/12 08:50
CEB-AVIII-5 (4')	2J04001-07	Soil	5	10/03/12 09:04	10/04/12 08:50
CEB-AVIII-6 (4')	2J04001-08	Soil	5	10/03/12 09:15	10/04/12 08:50
CEB-AVIII-7 (4')	2J04001-09	Soil	5	10/03/12 09:45	10/04/12 08:50
CEB-AVIII-8 (4')	2J04001-10	Soil	5	10/03/12 10:03	10/04/12 08:50
CEB-AVIII-9 (4')	2J04001-11	Soil	5	10/03/12 10:15	10/04/12 08:50
CEB-AVIII-10 (4')	2J04001-12	Soil	5	10/03/12 10:30	10/04/12 08:50
CEB-AI-8 (2')	2J04001-13	Soil	5	10/03/12 11:00	10/04/12 08:50
CEB-AI-9 (2')	2J04001-14	Soil	5	10/03/12 11:20	10/04/12 08:50
CEB-AI-10 (2')	2J04001-15	Soil	5	10/03/12 11:35	10/04/12 08:50
CEB-AIII-6 (6")	2J04001-16	Soil	5	10/03/12 11:50	10/04/12 08:50
CEB-AI-11 (2')	2J04001-17	Soil	5	10/03/12 12:06	10/04/12 08:50
CEB-AI-12 (2')	2J04001-18	Soil	5	10/03/12 12:21	10/04/12 08:50
CEB-AI-13 (2')	2J04001-19	Soil	5	10/03/12 12:43	10/04/12 08:50

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager

**LABORATORY ANALYSIS RESULTS**

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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**Metals Total 6010B**

CEB-AIII-5 (4')	2J04001-01	Soil	5	10/03/12 07:18	10/04/12 08:50
CEB-AIV-6 (2')	2J04001-02	Soil	5	10/03/12 07:35	10/04/12 08:50
CEB-AIV-7 (2')	2J04001-03	Soil	5	10/03/12 07:51	10/04/12 08:50
CEB-AIV-8 (2')	2J04001-04	Soil	5	10/03/12 08:15	10/04/12 08:50
CEB-AIV-9 (2')	2J04001-05	Soil	5	10/03/12 08:25	10/04/12 08:50
CEB-AVIII-4 (4')	2J04001-06	Soil	5	10/03/12 08:50	10/04/12 08:50
CEB-AVIII-5 (4')	2J04001-07	Soil	5	10/03/12 09:04	10/04/12 08:50
CEB-AVIII-6 (4')	2J04001-08	Soil	5	10/03/12 09:15	10/04/12 08:50
CEB-AVIII-7 (4')	2J04001-09	Soil	5	10/03/12 09:45	10/04/12 08:50
CEB-AVIII-8 (4')	2J04001-10	Soil	5	10/03/12 10:03	10/04/12 08:50
CEB-AVIII-9 (4')	2J04001-11	Soil	5	10/03/12 10:15	10/04/12 08:50
CEB-AVIII-10 (4')	2J04001-12	Soil	5	10/03/12 10:30	10/04/12 08:50
CEB-AI-8 (2')	2J04001-13	Soil	5	10/03/12 11:00	10/04/12 08:50
CEB-AI-9 (2')	2J04001-14	Soil	5	10/03/12 11:20	10/04/12 08:50
CEB-AI-10 (2')	2J04001-15	Soil	5	10/03/12 11:35	10/04/12 08:50
CEB-AIII-6 (6")	2J04001-16	Soil	5	10/03/12 11:50	10/04/12 08:50
CEB-AI-11 (2')	2J04001-17	Soil	5	10/03/12 12:06	10/04/12 08:50
CEB-AI-12 (2')	2J04001-18	Soil	5	10/03/12 12:21	10/04/12 08:50
CEB-AI-13 (2')	2J04001-19	Soil	5	10/03/12 12:43	10/04/12 08:50

**Eydie Schwartz**  
Project Manager

**LABORATORY ANALYSIS RESULTS**

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
<b><u>Solids, Dry Weight - Gravimetric</u></b>					
CEB-AIII-5 (4')	2J04001-01	Soil	5	10/03/12 07:18	10/04/12 08:50
CEB-AIV-6 (2')	2J04001-02	Soil	5	10/03/12 07:35	10/04/12 08:50
CEB-AIV-7 (2')	2J04001-03	Soil	5	10/03/12 07:51	10/04/12 08:50
CEB-AIV-8 (2')	2J04001-04	Soil	5	10/03/12 08:15	10/04/12 08:50
CEB-AIV-9 (2')	2J04001-05	Soil	5	10/03/12 08:25	10/04/12 08:50
CEB-AVIII-4 (4')	2J04001-06	Soil	5	10/03/12 08:50	10/04/12 08:50
CEB-AVIII-5 (4')	2J04001-07	Soil	5	10/03/12 09:04	10/04/12 08:50
CEB-AVIII-6 (4')	2J04001-08	Soil	5	10/03/12 09:15	10/04/12 08:50
CEB-AVIII-7 (4')	2J04001-09	Soil	5	10/03/12 09:45	10/04/12 08:50
CEB-AVIII-8 (4')	2J04001-10	Soil	5	10/03/12 10:03	10/04/12 08:50
CEB-AVIII-9 (4')	2J04001-11	Soil	5	10/03/12 10:15	10/04/12 08:50
CEB-AVIII-10 (4')	2J04001-12	Soil	5	10/03/12 10:30	10/04/12 08:50
CEB-AI-8 (2')	2J04001-13	Soil	5	10/03/12 11:00	10/04/12 08:50
CEB-AI-9 (2')	2J04001-14	Soil	5	10/03/12 11:20	10/04/12 08:50
CEB-AI-10 (2')	2J04001-15	Soil	5	10/03/12 11:35	10/04/12 08:50
CEB-AIII-6 (6")	2J04001-16	Soil	5	10/03/12 11:50	10/04/12 08:50
CEB-AI-11 (2')	2J04001-17	Soil	5	10/03/12 12:06	10/04/12 08:50
CEB-AI-12 (2')	2J04001-18	Soil	5	10/03/12 12:21	10/04/12 08:50
CEB-AI-13 (2')	2J04001-19	Soil	5	10/03/12 12:43	10/04/12 08:50

**Eydie Schwartz**  
Project Manager



### LABORATORY ANALYSIS RESULTS

Client: Cal Environmental  
Project No: NA  
Project Name: Chatsworth Park

AA Project No: A243629  
Date Received: 10/04/12  
Date Reported: 10/24/12

#### ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
<b>General Chemistry Analyses</b>								
% Solids	CEB-AIII-5 (4')	92.9	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AIV-6 (2')	97.2	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AIV-7 (2')	95.2	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AIV-8 (2')	97.6	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AIV-9 (2')	98.2	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AVIII-4 (4')	96.7	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AVIII-5 (4')	94.7	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AVIII-6 (4')	96.7	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AVIII-7 (4')	95.8	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AVIII-8 (4')	95.1	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager

**LABORATORY ANALYSIS RESULTS**

**Client:** Cal Environmental  
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**ANALYTICAL DATA SUMMARY**

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
% Solids	CEB-AVIII-9 (4')	<b>92.0</b>	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AVIII-10 (4')	<b>96.6</b>	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AI-8 (2')	<b>90.2</b>	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AI-9 (2')	<b>90.4</b>	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AI-10 (2')	<b>98.9</b>	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AIII-6 (6")	<b>99.8</b>	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AI-11 (2')	<b>96.5</b>	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AI-12 (2')	<b>97.7</b>	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
% Solids	CEB-AI-13 (2')	<b>95.1</b>	0.100	% by Weigh t	1	10/04/12	10/04/12	% Calculation
<b>PAHs SIM by EPA 8270C</b>								
Acenaphthene	CEB-AIV-6 (2')	<b>0.043</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Anthracene	CEB-AIV-6 (2')	<b>0.022</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M

*Eydie Schwartz*

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Project Manager

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**ANALYTICAL DATA SUMMARY**

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Benzo(a)anthracene	CEB-AIV-6 (2')	<b>0.34</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene	CEB-AIV-6 (2')	<b>0.40</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(b)fluoranthene	CEB-AIV-6 (2')	<b>0.20</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(g,h,i)perylene	CEB-AIV-6 (2')	<b>0.26</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(k)fluoranthene	CEB-AIV-6 (2')	<b>0.25</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Chrysene	CEB-AIV-6 (2')	<b>0.22</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Dibenzo(a,h)anthracene	CEB-AIV-6 (2')	<b>0.14</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Fluoranthene	CEB-AIV-6 (2')	<b>0.18</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AIV-6 (2')	<b>0.47</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Phenanthrene	CEB-AIV-6 (2')	<b>0.080</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Pyrene	CEB-AIV-6 (2')	<b>0.19</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene-equivalent s	CEB-AIV-6 (2')	<b>2.0</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Benzo(a)anthracene	CEB-AIV-7 (2')	<b>0.015</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene	CEB-AIV-7 (2')	<b>0.012</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Chrysene	CEB-AIV-7 (2')	<b>0.011</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Fluoranthene	CEB-AIV-7 (2')	<b>0.016</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AIV-7 (2')	<b>0.018</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M

**Eydie Schwartz**  
Project Manager

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**ANALYTICAL DATA SUMMARY**

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Benzo(a)pyrene-equivalent s	CEB-AIV-7 (2')	<b>0.056</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Acenaphthene	CEB-AVIII-4 (4')	<b>0.60</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Anthracene	CEB-AVIII-4 (4')	<b>0.31</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(a)anthracene	CEB-AVIII-4 (4')	<b>4.4</b>	1.0	mg/kg dry	100	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene	CEB-AVIII-4 (4')	<b>7.0</b>	1.0	mg/kg dry	100	10/17/12	10/19/12	EPA 8270M
Benzo(b)fluoranthene	CEB-AVIII-4 (4')	<b>4.1</b>	1.0	mg/kg dry	100	10/17/12	10/19/12	EPA 8270M
Benzo(g,h,i)perylene	CEB-AVIII-4 (4')	<b>4.2</b>	1.0	mg/kg dry	100	10/17/12	10/19/12	EPA 8270M
Benzo(k)fluoranthene	CEB-AVIII-4 (4')	<b>3.7</b>	1.0	mg/kg dry	100	10/17/12	10/19/12	EPA 8270M
Chrysene	CEB-AVIII-4 (4')	<b>4.4</b>	1.0	mg/kg dry	100	10/17/12	10/19/12	EPA 8270M
Dibenzo(a,h)anthracene	CEB-AVIII-4 (4')	<b>2.2</b>	1.0	mg/kg dry	100	10/17/12	10/19/12	EPA 8270M
Fluoranthene	CEB-AVIII-4 (4')	<b>3.1</b>	1.0	mg/kg dry	100	10/17/12	10/19/12	EPA 8270M
Fluorene	CEB-AVIII-4 (4')	<b>1.9</b>	1.0	mg/kg dry	100	10/17/12	10/19/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AVIII-4 (4')	<b>7.3</b>	1.0	mg/kg dry	100	10/17/12	10/19/12	EPA 8270M
Naphthalene	CEB-AVIII-4 (4')	<b>0.060</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Phenanthrene	CEB-AVIII-4 (4')	<b>0.74</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Pyrene	CEB-AVIII-4 (4')	<b>3.1</b>	1.0	mg/kg dry	100	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene-equivalent s	CEB-AVIII-4 (4')	<b>33</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M

**Eydie Schwartz**  
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**ANALYTICAL DATA SUMMARY**

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Acenaphthene	CEB-AVIII-5 (4')	<b>0.054</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(a)anthracene	CEB-AVIII-5 (4')	<b>0.44</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene	CEB-AVIII-5 (4')	<b>0.45</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(b)fluoranthene	CEB-AVIII-5 (4')	<b>0.28</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(g,h,i)perylene	CEB-AVIII-5 (4')	<b>0.28</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(k)fluoranthene	CEB-AVIII-5 (4')	<b>0.18</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Chrysene	CEB-AVIII-5 (4')	<b>0.27</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Dibenzo(a,h)anthracene	CEB-AVIII-5 (4')	<b>0.16</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Fluoranthene	CEB-AVIII-5 (4')	<b>0.31</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AVIII-5 (4')	<b>0.58</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Phenanthrene	CEB-AVIII-5 (4')	<b>0.080</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Pyrene	CEB-AVIII-5 (4')	<b>0.18</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene-equivalent	CEB-AVIII-5 (4')	<b>2.4</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Acenaphthene	CEB-AVIII-6 (4')	<b>0.50</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Anthracene	CEB-AVIII-6 (4')	<b>0.22</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(a)anthracene	CEB-AVIII-6 (4')	<b>3.4</b>	0.50	mg/kg dry	50	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene	CEB-AVIII-6 (4')	<b>4.5</b>	0.50	mg/kg dry	50	10/17/12	10/19/12	EPA 8270M

*Eydie Schwartz*

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Project Manager

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**ANALYTICAL DATA SUMMARY**

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Benzo(b)fluoranthene	CEB-AVIII-6 (4')	<b>3.2</b>	0.50	mg/kg dry	50	10/17/12	10/19/12	EPA 8270M
Benzo(g,h,i)perylene	CEB-AVIII-6 (4')	<b>2.2</b>	0.50	mg/kg dry	50	10/17/12	10/19/12	EPA 8270M
Benzo(k)fluoranthene	CEB-AVIII-6 (4')	<b>1.9</b>	0.50	mg/kg dry	50	10/17/12	10/19/12	EPA 8270M
Chrysene	CEB-AVIII-6 (4')	<b>2.6</b>	0.50	mg/kg dry	50	10/17/12	10/19/12	EPA 8270M
Dibenzo(a,h)anthracene	CEB-AVIII-6 (4')	<b>1.1</b>	0.50	mg/kg dry	50	10/17/12	10/19/12	EPA 8270M
Fluoranthene	CEB-AVIII-6 (4')	<b>2.2</b>	0.50	mg/kg dry	50	10/17/12	10/19/12	EPA 8270M
Fluorene	CEB-AVIII-6 (4')	<b>0.075</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AVIII-6 (4')	<b>3.9</b>	0.50	mg/kg dry	50	10/17/12	10/19/12	EPA 8270M
Naphthalene	CEB-AVIII-6 (4')	<b>0.074</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Phenanthrene	CEB-AVIII-6 (4')	<b>0.53</b>	0.50	mg/kg dry	50	10/17/12	10/19/12	EPA 8270M
Pyrene	CEB-AVIII-6 (4')	<b>2.2</b>	0.50	mg/kg dry	50	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene-equivalent s	CEB-AVIII-6 (4')	<b>21</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Acenaphthene	CEB-AVIII-7 (4')	<b>0.025</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Anthracene	CEB-AVIII-7 (4')	<b>0.012</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Benzo(a)anthracene	CEB-AVIII-7 (4')	<b>0.18</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene	CEB-AVIII-7 (4')	<b>0.23</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(b)fluoranthene	CEB-AVIII-7 (4')	<b>0.16</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M

**Eydie Schwartz**  
Project Manager

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Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Benzo(g,h,i)perylene	CEB-AVIII-7 (4')	<b>0.14</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(k)fluoranthene	CEB-AVIII-7 (4')	<b>0.11</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Chrysene	CEB-AVIII-7 (4')	<b>0.14</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Dibenzo(a,h)anthracene	CEB-AVIII-7 (4')	<b>0.069</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Fluoranthene	CEB-AVIII-7 (4')	<b>0.12</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AVIII-7 (4')	<b>0.23</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Phenanthrene	CEB-AVIII-7 (4')	<b>0.041</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Pyrene	CEB-AVIII-7 (4')	<b>0.12</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene-equivalent s	CEB-AVIII-7 (4')	<b>1.1</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Acenaphthene	CEB-AVIII-8 (4')	<b>0.071</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Anthracene	CEB-AVIII-8 (4')	<b>0.036</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Benzo(a)anthracene	CEB-AVIII-8 (4')	<b>0.57</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene	CEB-AVIII-8 (4')	<b>0.75</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(b)fluoranthene	CEB-AVIII-8 (4')	<b>0.38</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(g,h,i)perylene	CEB-AVIII-8 (4')	<b>0.41</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(k)fluoranthene	CEB-AVIII-8 (4')	<b>0.49</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Chrysene	CEB-AVIII-8 (4')	<b>0.55</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M

**Eydie Schwartz**  
Project Manager

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**ANALYTICAL DATA SUMMARY**

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Dibenzo(a,h)anthracene	CEB-AVIII-8 (4')	<b>0.22</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Fluoranthene	CEB-AVIII-8 (4')	<b>0.40</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Fluorene	CEB-AVIII-8 (4')	<b>0.012</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AVIII-8 (4')	<b>0.71</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Phenanthrene	CEB-AVIII-8 (4')	<b>0.12</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Pyrene	CEB-AVIII-8 (4')	<b>0.40</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene-equivalent s	CEB-AVIII-8 (4')	<b>3.7</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Acenaphthene	CEB-AVIII-9 (4')	<b>0.018</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Benzo(a)anthracene	CEB-AVIII-9 (4')	<b>0.14</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene	CEB-AVIII-9 (4')	<b>0.17</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(b)fluoranthene	CEB-AVIII-9 (4')	<b>0.080</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(g,h,i)perylene	CEB-AVIII-9 (4')	<b>0.089</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(k)fluoranthene	CEB-AVIII-9 (4')	<b>0.069</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Chrysene	CEB-AVIII-9 (4')	<b>0.10</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Dibenzo(a,h)anthracene	CEB-AVIII-9 (4')	<b>0.066</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Fluoranthene	CEB-AVIII-9 (4')	<b>0.091</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AVIII-9 (4')	<b>0.13</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M

**Eydie Schwartz**  
Project Manager

**LABORATORY ANALYSIS RESULTS**

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12

**ANALYTICAL DATA SUMMARY**

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Phenanthrene	CEB-AVIII-9 (4')	<b>0.036</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Pyrene	CEB-AVIII-9 (4')	<b>0.073</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene-equivalents	CEB-AVIII-9 (4')	<b>0.61</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Acenaphthene	CEB-AVIII-10 (4')	<b>0.031</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Anthracene	CEB-AVIII-10 (4')	<b>0.013</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Benzo(a)anthracene	CEB-AVIII-10 (4')	<b>0.20</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene	CEB-AVIII-10 (4')	<b>0.24</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(b)fluoranthene	CEB-AVIII-10 (4')	<b>0.17</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(g,h,i)perylene	CEB-AVIII-10 (4')	<b>0.16</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(k)fluoranthene	CEB-AVIII-10 (4')	<b>0.13</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Chrysene	CEB-AVIII-10 (4')	<b>0.15</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Dibenzo(a,h)anthracene	CEB-AVIII-10 (4')	<b>0.094</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Fluoranthene	CEB-AVIII-10 (4')	<b>0.14</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AVIII-10 (4')	<b>0.26</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Phenanthrene	CEB-AVIII-10 (4')	<b>0.052</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Pyrene	CEB-AVIII-10 (4')	<b>0.13</b>	0.10	mg/kg dry	10	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene-equivalents	CEB-AVIII-10 (4')	<b>1.3</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12

### ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Acenaphthene	CEB-AI-8 (2')	<b>0.071</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Anthracene	CEB-AI-8 (2')	<b>0.012</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Benzo(a)anthracene	CEB-AI-8 (2')	<b>0.16</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene	CEB-AI-8 (2')	<b>0.19</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(b)fluoranthene	CEB-AI-8 (2')	<b>0.13</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(g,h,i)perylene	CEB-AI-8 (2')	<b>0.11</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(k)fluoranthene	CEB-AI-8 (2')	<b>0.10</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Chrysene	CEB-AI-8 (2')	<b>0.13</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Dibenzo(a,h)anthracene	CEB-AI-8 (2')	<b>0.062</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Fluoranthene	CEB-AI-8 (2')	<b>0.12</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AI-8 (2')	<b>0.18</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Phenanthrene	CEB-AI-8 (2')	<b>0.035</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Pyrene	CEB-AI-8 (2')	<b>0.13</b>	0.050	mg/kg dry	5	10/17/12	10/19/12	EPA 8270M
Benzo(a)pyrene-equivalent s	CEB-AI-8 (2')	<b>0.95</b>	0.010	mg/kg dry	1	10/17/12	10/19/12	EPA 8270M
Chrysene	CEB-AI-10 (2')	<b>0.070</b>	0.050	mg/kg dry	5	10/17/12	10/21/12	EPA 8270M
Benzo(a)pyrene-equivalent s	CEB-AI-10 (2')	<b>0.070</b>	0.050	mg/kg dry	5	10/17/12	10/21/12	EPA 8270M
Acenaphthene	CEB-AIII-6 (6")	<b>0.033</b>	0.010	mg/kg dry	1	10/17/12	10/20/12	EPA 8270M

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12

### ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Anthracene	CEB-AIII-6 (6")	<b>0.012</b>	0.010	mg/kg dry	1	10/17/12	10/20/12	EPA 8270M
Benzo(a)anthracene	CEB-AIII-6 (6")	<b>0.31</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Benzo(a)pyrene	CEB-AIII-6 (6")	<b>0.38</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Benzo(b)fluoranthene	CEB-AIII-6 (6")	<b>0.19</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Benzo(g,h,i)perylene	CEB-AIII-6 (6")	<b>0.23</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Benzo(k)fluoranthene	CEB-AIII-6 (6")	<b>0.23</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Chrysene	CEB-AIII-6 (6")	<b>0.21</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Dibenzo(a,h)anthracene	CEB-AIII-6 (6")	<b>0.11</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Fluoranthene	CEB-AIII-6 (6")	<b>0.18</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AIII-6 (6")	<b>0.43</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Phenanthrene	CEB-AIII-6 (6")	<b>0.042</b>	0.010	mg/kg dry	1	10/17/12	10/20/12	EPA 8270M
Pyrene	CEB-AIII-6 (6")	<b>0.16</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Benzo(a)pyrene-equivalent s	CEB-AIII-6 (6")	<b>1.9</b>	0.010	mg/kg dry	1	10/17/12	10/20/12	EPA 8270M
Acenaphthene	CEB-AI-11 (2')	<b>0.12</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Anthracene	CEB-AI-11 (2')	<b>0.069</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Benzo(a)anthracene	CEB-AI-11 (2')	<b>1.1</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Benzo(a)pyrene	CEB-AI-11 (2')	<b>1.3</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12

### ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Benzo(b)fluoranthene	CEB-AI-11 (2')	<b>0.96</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Benzo(g,h,i)perylene	CEB-AI-11 (2')	<b>0.74</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Benzo(k)fluoranthene	CEB-AI-11 (2')	<b>0.65</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Chrysene	CEB-AI-11 (2')	<b>0.83</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Dibenzo(a,h)anthracene	CEB-AI-11 (2')	<b>0.36</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Fluoranthene	CEB-AI-11 (2')	<b>0.69</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AI-11 (2')	<b>1.3</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Phenanthrene	CEB-AI-11 (2')	<b>0.17</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Pyrene	CEB-AI-11 (2')	<b>0.66</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Benzo(a)pyrene-equivalent s	CEB-AI-11 (2')	<b>6.4</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Acenaphthene	CEB-AI-12 (2')	<b>0.18</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Anthracene	CEB-AI-12 (2')	<b>0.076</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Benzo(a)anthracene	CEB-AI-12 (2')	<b>1.1</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Benzo(a)pyrene	CEB-AI-12 (2')	<b>1.7</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Benzo(b)fluoranthene	CEB-AI-12 (2')	<b>1.2</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Benzo(g,h,i)perylene	CEB-AI-12 (2')	<b>1.1</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Benzo(k)fluoranthene	CEB-AI-12 (2')	<b>0.83</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager

**LABORATORY ANALYSIS RESULTS**

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12

**ANALYTICAL DATA SUMMARY**

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Chrysene	CEB-AI-12 (2')	<b>0.94</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Dibenzo(a,h)anthracene	CEB-AI-12 (2')	<b>0.52</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Fluoranthene	CEB-AI-12 (2')	<b>0.64</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AI-12 (2')	<b>1.9</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Phenanthrene	CEB-AI-12 (2')	<b>0.18</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Pyrene	CEB-AI-12 (2')	<b>0.68</b>	0.25	mg/kg dry	25	10/17/12	10/20/12	EPA 8270M
Benzo(a)pyrene-equivalent s	CEB-AI-12 (2')	<b>8.2</b>	0.050	mg/kg dry	5	10/17/12	10/20/12	EPA 8270M
Benzo(a)anthracene	CEB-AI-13 (2')	<b>0.26</b>	0.050	mg/kg dry	5	10/17/12	10/21/12	EPA 8270M
Benzo(a)pyrene	CEB-AI-13 (2')	<b>0.35</b>	0.050	mg/kg dry	5	10/17/12	10/21/12	EPA 8270M
Benzo(b)fluoranthene	CEB-AI-13 (2')	<b>0.20</b>	0.050	mg/kg dry	5	10/17/12	10/21/12	EPA 8270M
Benzo(g,h,i)perylene	CEB-AI-13 (2')	<b>0.21</b>	0.050	mg/kg dry	5	10/17/12	10/21/12	EPA 8270M
Benzo(k)fluoranthene	CEB-AI-13 (2')	<b>0.21</b>	0.050	mg/kg dry	5	10/17/12	10/21/12	EPA 8270M
Chrysene	CEB-AI-13 (2')	<b>0.22</b>	0.050	mg/kg dry	5	10/17/12	10/21/12	EPA 8270M
Dibenzo(a,h)anthracene	CEB-AI-13 (2')	<b>0.11</b>	0.050	mg/kg dry	5	10/17/12	10/21/12	EPA 8270M
Fluoranthene	CEB-AI-13 (2')	<b>0.14</b>	0.050	mg/kg dry	5	10/17/12	10/21/12	EPA 8270M
Indeno (1,2,3-cd) pyrene	CEB-AI-13 (2')	<b>0.36</b>	0.20	mg/kg dry	5	10/17/12	10/21/12	EPA 8270M
Pyrene	CEB-AI-13 (2')	<b>0.18</b>	0.050	mg/kg dry	5	10/17/12	10/21/12	EPA 8270M

**Eydie Schwartz**  
Project Manager



### LABORATORY ANALYSIS RESULTS

Client: Cal Environmental  
Project No: NA  
Project Name: Chatsworth Park

AA Project No: A243629  
Date Received: 10/04/12  
Date Reported: 10/24/12

#### ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Benzo(a)pyrene-equivalents	CEB-AI-13 (2')	1.7	0.050	mg/kg dry	5	10/17/12	10/21/12	EPA 8270M
<b>Total Metals by EPA 6010B</b>								
Lead	CEB-AIII-5 (4')	25	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AIV-6 (2')	100	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AIV-7 (2')	35	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AIV-8 (2')	8.9	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AIV-9 (2')	5.9	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AVIII-4 (4')	120	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AVIII-5 (4')	20	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AVIII-6 (4')	40	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AVIII-7 (4')	19	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AVIII-8 (4')	21	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AVIII-9 (4')	27	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AVIII-10 (4')	30	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AI-8 (2')	5.4	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AI-9 (2')	9.4	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AI-10 (2')	20	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12

### ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Lead	CEB-AIII-6 (6")	<b>130</b>	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AI-11 (2')	<b>100</b>	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AI-12 (2')	<b>45</b>	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B
Lead	CEB-AI-13 (2')	<b>12</b>	3.0	mg/kg dry	1	10/12/12	10/12/12	EPA 6010B

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** PAHs SIM by EPA 8270C

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12  
**Units:** mg/kg dry

Date Sampled:	10/03/12	10/03/12	10/03/12	10/03/12		
Date Prepared:	10/17/12	10/17/12	10/17/12	10/17/12		
Date Analyzed:	10/19/12	10/19/12	10/19/12	10/19/12		
AA ID No:	2J04001-01	2J04001-02	2J04001-03	2J04001-04		
Client ID No:	CEB-AIII-5 (4')	CEB-AIV-6 (2')	CEB-AIV-7 (2')	CEB-AIV-8 (2')		
Matrix:	Soil	Soil	Soil	Soil		
Dilution Factor:	1	1	1	1	MDL	MRL

### 8270C PAHs SIM (EPA 8270M)

Acenaphthene	<0.0050	<b>0.043</b>	<0.0050	<0.0050	0.0050	0.010
Acenaphthylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	0.010
Anthracene	<0.0040	<b>0.022</b>	<0.0040	<0.0040	0.0040	0.010
Benzo(a)anthracene	<0.0060	<b>0.34</b>	<b>0.015</b>	<0.0060	0.0060	0.010
Benzo(a)pyrene	<0.0040	<b>0.40</b>	<b>0.012</b>	<0.0040	0.0040	0.010
Benzo(b)fluoranthene	<0.0060	<b>0.20</b>	<0.0060	<0.0060	0.0060	0.010
Benzo(g,h,i)perylene	<0.0050	<b>0.26</b>	<0.0050	<0.0050	0.0050	0.010
Benzo(k)fluoranthene	<0.0030	<b>0.25</b>	<0.0030	<0.0030	0.0030	0.010
Chrysene	<0.0050	<b>0.22</b>	<b>0.011</b>	<0.0050	0.0050	0.010
Dibenzo(a,h)anthracene	<0.010	<b>0.14</b>	<0.010	<0.010	0.010	0.010
Fluoranthene	<0.0050	<b>0.18</b>	<b>0.016</b>	<0.0050	0.0050	0.010
Fluorene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	0.010
Indeno (1,2,3-cd) pyrene	<0.010	<b>0.47</b>	<b>0.018</b>	<0.010	0.020	0.040
2-Methylnaphthalene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	0.010
Naphthalene	<0.0040	<0.0040	<0.0040	<0.0040	0.0040	0.010
Phenanthrene	<0.0030	<b>0.080</b>	<0.0030	<0.0030	0.0030	0.010
Pyrene	<0.0040	<b>0.19</b>	<0.0040	<0.0040	0.0040	0.010
Benzo(a)pyrene-equivalents	<0.0030	<b>2.0</b>	<b>0.056</b>	<0.0030	0.0030	0.010

<u>Surrogates</u>					<u>%REC Limits</u>
2-Fluorobiphenyl	72%	62%	22% [2]	75%	43-116
Terphenyl-d14	84%	77%	27% [2]	116%	33-141

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** PAHs SIM by EPA 8270C

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12  
**Units:** mg/kg dry

	10/03/12	10/03/12	10/03/12	10/03/12		
<b>Date Sampled:</b>	10/03/12	10/03/12	10/03/12	10/03/12		
<b>Date Prepared:</b>	10/17/12	10/17/12	10/17/12	10/17/12		
<b>Date Analyzed:</b>	10/19/12	10/19/12	10/19/12	10/19/12		
<b>AA ID No:</b>	2J04001-05	2J04001-06	2J04001-07	2J04001-08		
<b>Client ID No:</b>	CEB-AIV-9 (2')	CEB-AVIII-4 (4')	CEB-AVIII-5 (4')	CEB-AVIII-6 (4')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	5	5	5	MDL	MRL

### 8270C PAHs SIM (EPA 8270M)

Acenaphthene	<0.0050	<b>0.60</b>	<b>0.054</b>	<b>0.50</b>	0.0050	0.010
Acenaphthylene	<0.0050	<0.025	<0.025	<0.025	0.0050	0.010
Anthracene	<0.0040	<b>0.31</b>	<0.020	<b>0.22</b>	0.0040	0.010
Benzo(a)anthracene	<0.0060	<b>4.4</b>	<b>0.44</b>	<b>3.4</b>	0.0060	0.010
Benzo(a)pyrene	<0.0040	<b>7.0</b>	<b>0.45</b>	<b>4.5</b>	0.0040	0.010
Benzo(b)fluoranthene	<0.0060	<b>4.1</b>	<b>0.28</b>	<b>3.2</b>	0.0060	0.010
Benzo(g,h,i)perylene	<0.0050	<b>4.2</b>	<b>0.28</b>	<b>2.2</b>	0.0050	0.010
Benzo(k)fluoranthene	<0.0030	<b>3.7</b>	<b>0.18</b>	<b>1.9</b>	0.0030	0.010
Chrysene	<0.0050	<b>4.4</b>	<b>0.27</b>	<b>2.6</b>	0.0050	0.010
Dibenzo(a,h)anthracene	<0.010	<b>2.2</b>	<b>0.16</b>	<b>1.1</b>	0.010	0.010
Fluoranthene	<0.0050	<b>3.1</b>	<b>0.31</b>	<b>2.2</b>	0.0050	0.010
Fluorene	<0.0050	<b>1.9</b>	<0.025	<b>0.075</b>	0.0050	0.010
Indeno (1,2,3-cd) pyrene	<0.010	<b>7.3</b>	<b>0.58</b>	<b>3.9</b>	0.020	0.040
2-Methylnaphthalene	<0.0050	<0.025	<0.025	<0.025	0.0050	0.010
Naphthalene	<0.0040	<b>0.060</b>	<0.020	<b>0.074</b>	0.0040	0.010
Phenanthrene	<0.0030	<b>0.74</b>	<b>0.080</b>	<b>0.53</b>	0.0030	0.010
Pyrene	<0.0040	<b>3.1</b>	<b>0.18</b>	<b>2.2</b>	0.0040	0.010
Benzo(a)pyrene-equivalents	<0.0030	<b>33</b>	<b>2.4</b>	<b>21</b>	0.0030	0.010

<u>Surrogates</u>					<u>%REC Limits</u>
2-Fluorobiphenyl	73%	83%	88%	92%	43-116
Terphenyl-d14	47%	112%	105%	130%	33-141

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

<b>Client:</b>	Cal Environmental	<b>AA Project No:</b>	A243629
<b>Project No:</b>	NA	<b>Date Received:</b>	10/04/12
<b>Project Name:</b>	Chatsworth Park	<b>Date Reported:</b>	10/24/12
<b>Method:</b>	PAHs SIM by EPA 8270C	<b>Units:</b>	mg/kg dry

<b>Date Sampled:</b>	10/03/12	10/03/12	10/03/12	10/03/12		
<b>Date Prepared:</b>	10/17/12	10/17/12	10/17/12	10/17/12		
<b>Date Analyzed:</b>	10/19/12	10/19/12	10/19/12	10/19/12		
<b>AA ID No:</b>	2J04001-09	2J04001-10	2J04001-11	2J04001-12		
<b>Client ID No:</b>	CEB-AVIII-7 (4')	CEB-AVIII-8 (4')	CEB-AVIII-9 (4')	CEB-AVIII-10 (4')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

### 8270C PAHs SIM (EPA 8270M)

Acenaphthene	0.025	0.071	0.018	0.031	0.0050	0.010
Acenaphthylene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	0.010
Anthracene	0.012	0.036	<0.0040	0.013	0.0040	0.010
Benzo(a)anthracene	0.18	0.57	0.14	0.20	0.0060	0.010
Benzo(a)pyrene	0.23	0.75	0.17	0.24	0.0040	0.010
Benzo(b)fluoranthene	0.16	0.38	0.080	0.17	0.0060	0.010
Benzo(g,h,i)perylene	0.14	0.41	0.089	0.16	0.0050	0.010
Benzo(k)fluoranthene	0.11	0.49	0.069	0.13	0.0030	0.010
Chrysene	0.14	0.55	0.10	0.15	0.0050	0.010
Dibenzo(a,h)anthracene	0.069	0.22	0.066	0.094	0.010	0.010
Fluoranthene	0.12	0.40	0.091	0.14	0.0050	0.010
Fluorene	<0.0050	0.012	<0.0050	<0.0050	0.0050	0.010
Indeno (1,2,3-cd) pyrene	0.23	0.71	0.13	0.26	0.020	0.040
2-Methylnaphthalene	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	0.010
Naphthalene	<0.0040	<0.0040	<0.0040	<0.0040	0.0040	0.010
Phenanthrene	0.041	0.12	0.036	0.052	0.0030	0.010
Pyrene	0.12	0.40	0.073	0.13	0.0040	0.010
Benzo(a)pyrene-equivalents	1.1	3.7	0.61	1.3	0.0030	0.010

<b>Surrogates</b>					<b>%REC Limits</b>	
2-Fluorobiphenyl	58%	68%	62%	68%	43-116	
Terphenyl-d14	80%	84%	80%	79%	33-141	

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** PAHs SIM by EPA 8270C

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12  
**Units:** mg/kg dry

	10/03/12	10/03/12	10/03/12	10/03/12		
<b>Date Sampled:</b>	10/03/12	10/03/12	10/03/12	10/03/12		
<b>Date Prepared:</b>	10/17/12	10/17/12	10/17/12	10/17/12		
<b>Date Analyzed:</b>	10/19/12	10/20/12	10/21/12	10/20/12		
<b>AA ID No:</b>	2J04001-13	2J04001-14	2J04001-15	2J04001-16		
<b>Client ID No:</b>	CEB-AI-8 (2')	CEB-AI-9 (2')	CEB-AI-10 (2')	CEB-AIII-6 (6")		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	5	1	MDL	MRL

### 8270C PAHs SIM (EPA 8270M)

Acenaphthene	<b>0.071</b>	<0.0050	<0.025	<b>0.033</b>	0.0050	0.010
Acenaphthylene	<0.0050	<0.0050	<0.025	<0.0050	0.0050	0.010
Anthracene	<b>0.012</b>	<0.0040	<0.020	<b>0.012</b>	0.0040	0.010
Benzo(a)anthracene	<b>0.16</b>	<0.0060	<0.030	<b>0.31</b>	0.0060	0.010
Benzo(a)pyrene	<b>0.19</b>	<0.0040	<0.020	<b>0.38</b>	0.0040	0.010
Benzo(b)fluoranthene	<b>0.13</b>	<0.0060	<0.030	<b>0.19</b>	0.0060	0.010
Benzo(g,h,i)perylene	<b>0.11</b>	<0.0050	<0.025	<b>0.23</b>	0.0050	0.010
Benzo(k)fluoranthene	<b>0.10</b>	<0.0030	<0.015	<b>0.23</b>	0.0030	0.010
Chrysene	<b>0.13</b>	<0.0050	<b>0.070</b>	<b>0.21</b>	0.0050	0.010
Dibenzo(a,h)anthracene	<b>0.062</b>	<0.010	<0.050	<b>0.11</b>	0.010	0.010
Fluoranthene	<b>0.12</b>	<0.0050	<0.025	<b>0.18</b>	0.0050	0.010
Fluorene	<0.0050	<0.0050	<0.025	<0.0050	0.0050	0.010
Indeno (1,2,3-cd) pyrene	<b>0.18</b>	<0.010	<0.10	<b>0.43</b>	0.020	0.040
2-Methylnaphthalene	<0.0050	<0.0050	<0.025	<0.0050	0.0050	0.010
Naphthalene	<0.0040	<0.0040	<0.020	<0.0040	0.0040	0.010
Phenanthrene	<b>0.035</b>	<0.0030	<0.015	<b>0.042</b>	0.0030	0.010
Pyrene	<b>0.13</b>	<0.0040	<0.020	<b>0.16</b>	0.0040	0.010
Benzo(a)pyrene-equivalents	<b>0.95</b>	<0.0030	<b>0.070</b>	<b>1.9</b>	0.0030	0.010

<u>Surrogates</u>					<u>%REC Limits</u>
2-Fluorobiphenyl	41% [2]	73%	78%	69%	43-116
Terphenyl-dI4	51%	93%	120%	90%	33-141

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** PAHs SIM by EPA 8270C

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12  
**Units:** mg/kg dry

	10/03/2012	10/03/2012	10/03/2012		
<b>Date Sampled:</b>	10/03/2012	10/03/2012	10/03/2012		
<b>Date Prepared:</b>	10/17/12	10/17/12	10/17/12		
<b>Date Analyzed:</b>	10/20/12	10/20/12	10/21/12		
<b>AA ID No:</b>	2J04001-17	2J04001-18	2J04001-19		
<b>Client ID No:</b>	CEB-AI-11 (2')	CEB-AI-12 (2')	CEB-AI-13 (2')		
<b>Matrix:</b>	Soil	Soil	Soil		
<b>Dilution Factor:</b>	5	5	5	MDL	MRL

### 8270C PAHs SIM (EPA 8270M)

Acenaphthene	<b>0.12</b>	<b>0.18</b>	<0.025	0.0050	0.010
Acenaphthylene	<0.025	<0.025	<0.025	0.0050	0.010
Anthracene	<b>0.069</b>	<b>0.076</b>	<0.020	0.0040	0.010
Benzo(a)anthracene	<b>1.1</b>	<b>1.1</b>	<b>0.26</b>	0.0060	0.010
Benzo(a)pyrene	<b>1.3</b>	<b>1.7</b>	<b>0.35</b>	0.0040	0.010
Benzo(b)fluoranthene	<b>0.96</b>	<b>1.2</b>	<b>0.20</b>	0.0060	0.010
Benzo(g,h,i)perylene	<b>0.74</b>	<b>1.1</b>	<b>0.21</b>	0.0050	0.010
Benzo(k)fluoranthene	<b>0.65</b>	<b>0.83</b>	<b>0.21</b>	0.0030	0.010
Chrysene	<b>0.83</b>	<b>0.94</b>	<b>0.22</b>	0.0050	0.010
Dibenzo(a,h)anthracene	<b>0.36</b>	<b>0.52</b>	<b>0.11</b>	0.010	0.010
Fluoranthene	<b>0.69</b>	<b>0.64</b>	<b>0.14</b>	0.0050	0.010
Fluorene	<0.025	<0.025	<0.025	0.0050	0.010
Indeno (1,2,3-cd) pyrene	<b>1.3</b>	<b>1.9</b>	<b>0.36</b>	0.020	0.040
2-Methylnaphthalene	<0.025	<0.025	<0.025	0.0050	0.010
Naphthalene	<0.020	<0.020	<0.020	0.0040	0.010
Phenanthrene	<b>0.17</b>	<b>0.18</b>	<0.015	0.0030	0.010
Pyrene	<b>0.66</b>	<b>0.68</b>	<b>0.18</b>	0.0040	0.010
Benzo(a)pyrene-equivalents	<b>6.4</b>	<b>8.2</b>	<b>1.7</b>	0.0030	0.010

<u>Surrogates</u>				<u>%REC Limits</u>
2-Fluorobiphenyl	80%	90%	92%	43-116
Terphenyl-dl4	120%	112%	130%	33-141

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** General Chemistry Analyses

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MRL
<b><u>Solids, Dry Weight - Gravimetric (% Calculation)</u></b>								
2J04001-01	CEB-AIII-5 (4')	10/03/12	10/04/12	10/04/12	1	<b>92.9</b>	% by Weight	0.1
2J04001-02	CEB-AIV-6 (2')	10/03/12	10/04/12	10/04/12	1	<b>97.2</b>	% by Weight	0.1
2J04001-03	CEB-AIV-7 (2')	10/03/12	10/04/12	10/04/12	1	<b>95.2</b>	% by Weight	0.1
2J04001-04	CEB-AIV-8 (2')	10/03/12	10/04/12	10/04/12	1	<b>97.6</b>	% by Weight	0.1
2J04001-05	CEB-AIV-9 (2')	10/03/12	10/04/12	10/04/12	1	<b>98.2</b>	% by Weight	0.1
2J04001-06	CEB-AVIII-4 (4')	10/03/12	10/04/12	10/04/12	1	<b>96.7</b>	% by Weight	0.1
2J04001-07	CEB-AVIII-5 (4')	10/03/12	10/04/12	10/04/12	1	<b>94.7</b>	% by Weight	0.1
2J04001-08	CEB-AVIII-6 (4')	10/03/12	10/04/12	10/04/12	1	<b>96.7</b>	% by Weight	0.1
2J04001-09	CEB-AVIII-7 (4')	10/03/12	10/04/12	10/04/12	1	<b>95.8</b>	% by Weight	0.1
2J04001-10	CEB-AVIII-8 (4')	10/03/12	10/04/12	10/04/12	1	<b>95.1</b>	% by Weight	0.1
2J04001-11	CEB-AVIII-9 (4')	10/03/12	10/04/12	10/04/12	1	<b>92.0</b>	% by Weight	0.1
2J04001-12	CEB-AVIII-10 (4')	10/03/12	10/04/12	10/04/12	1	<b>96.6</b>	% by Weight	0.1
2J04001-13	CEB-AI-8 (2')	10/03/12	10/04/12	10/04/12	1	<b>90.2</b>	% by Weight	0.1
2J04001-14	CEB-AI-9 (2')	10/03/12	10/04/12	10/04/12	1	<b>90.4</b>	% by Weight	0.1
2J04001-15	CEB-AI-10 (2')	10/03/12	10/04/12	10/04/12	1	<b>98.9</b>	% by Weight	0.1

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** General Chemistry Analyses

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MRL
<b><u>Solids, Dry Weight - Gravimetric (% Calculation)</u></b>								
2J04001-16	CEB-AIII-6 (6")	10/03/12	10/04/12	10/04/12	1	<b>99.8</b>	% by Weight	0.1
2J04001-17	CEB-AI-11 (2')	10/03/12	10/04/12	10/04/12	1	<b>96.5</b>	% by Weight	0.1
2J04001-18	CEB-AI-12 (2')	10/03/12	10/04/12	10/04/12	1	<b>97.7</b>	% by Weight	0.1
2J04001-19	CEB-AI-13 (2')	10/03/12	10/04/12	10/04/12	1	<b>95.1</b>	% by Weight	0.1

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



### LABORATORY ANALYSIS RESULTS

<b>Client:</b>	Cal Environmental	<b>AA Project No:</b>	A243629
<b>Project No:</b>	NA	<b>Date Received:</b>	10/04/12
<b>Project Name:</b>	Chatsworth Park	<b>Date Reported:</b>	10/24/12
<b>Method:</b>	Total Metals by EPA 6010B	<b>Units:</b>	mg/kg dry

<b>Date Sampled:</b>	10/03/12	10/03/12	10/03/12	10/03/12		
<b>Date Prepared:</b>	10/12/12	10/12/12	10/12/12	10/12/12		
<b>Date Analyzed:</b>	10/12/12	10/12/12	10/12/12	10/12/12		
<b>AA ID No:</b>	2J04001-01	2J04001-02	2J04001-03	2J04001-04		
<b>Client ID No:</b>	CEB-AIII-5 (4')	CEB-AIV-6 (2')	CEB-AIV-7 (2')	CEB-AIV-8 (2')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

**Metals Total 6010B (EPA 6010B)**

Lead	25	100	35	8.9	1.0	3.0
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*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



### LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental

**Project No:** NA

**Project Name:** Chatsworth Park

**Method:** Total Metals by EPA 6010B

**AA Project No:** A243629

**Date Received:** 10/04/12

**Date Reported:** 10/24/12

**Units:** mg/kg dry

<b>Date Sampled:</b>	10/03/12	10/03/12	10/03/12	10/03/12		
<b>Date Prepared:</b>	10/12/12	10/12/12	10/12/12	10/12/12		
<b>Date Analyzed:</b>	10/12/12	10/12/12	10/12/12	10/12/12		
<b>AA ID No:</b>	2J04001-05	2J04001-06	2J04001-07	2J04001-08		
<b>Client ID No:</b>	CEB-AIV-9 (2')	CEB-AVIII-4 (4')	CEB-AVIII-5 (4')	CEB-AVIII-6 (4')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

**Metals Total 6010B (EPA 6010B)**

Lead	5.9	120	20	40	1.0	3.0
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*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



### LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental

**Project No:** NA

**Project Name:** Chatsworth Park

**Method:** Total Metals by EPA 6010B

**AA Project No:** A243629

**Date Received:** 10/04/12

**Date Reported:** 10/24/12

**Units:** mg/kg dry

<b>Date Sampled:</b>	10/03/12	10/03/12	10/03/12	10/03/12		
<b>Date Prepared:</b>	10/12/12	10/12/12	10/12/12	10/12/12		
<b>Date Analyzed:</b>	10/12/12	10/12/12	10/12/12	10/12/12		
<b>AA ID No:</b>	2J04001-09	2J04001-10	2J04001-11	2J04001-12		
<b>Client ID No:</b>	CEB-AVIII-7 (4')	CEB-AVIII-8 (4')	CEB-AVIII-9 (4')	CEB-AVIII-10 (4')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

**Metals Total 6010B (EPA 6010B)**

Lead	19	21	27	30	1.0	3.0
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*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

<b>Client:</b>	Cal Environmental	<b>AA Project No:</b>	A243629
<b>Project No:</b>	NA	<b>Date Received:</b>	10/04/12
<b>Project Name:</b>	Chatsworth Park	<b>Date Reported:</b>	10/24/12
<b>Method:</b>	Total Metals by EPA 6010B	<b>Units:</b>	mg/kg dry

<b>Date Sampled:</b>	10/03/12	10/03/12	10/03/12	10/03/12		
<b>Date Prepared:</b>	10/12/12	10/12/12	10/12/12	10/12/12		
<b>Date Analyzed:</b>	10/12/12	10/12/12	10/12/12	10/12/12		
<b>AA ID No:</b>	2J04001-13	2J04001-14	2J04001-15	2J04001-16		
<b>Client ID No:</b>	CEB-AI-8 (2')	CEB-AI-9 (2')	CEB-AI-10 (2')	CEB-AIII-6 (6")		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

### Metals Total 6010B (EPA 6010B)

Lead	5.4	9.4	20	130	1.0	3.0
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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



### LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** Total Metals by EPA 6010B

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12  
**Units:** mg/kg dry

<b>Date Sampled:</b>	10/03/2012	10/03/2012	10/03/2012		
<b>Date Prepared:</b>	10/12/12	10/12/12	10/12/12		
<b>Date Analyzed:</b>	10/12/12	10/12/12	10/12/12		
<b>AA ID No:</b>	2J04001-17	2J04001-18	2J04001-19		
<b>Client ID No:</b>	CEB-AI-11 (2')	CEB-AI-12 (2')	CEB-AI-13 (2')		
<b>Matrix:</b>	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	MDL	MRL

**Metals Total 6010B (EPA 6010B)**

Lead	<b>100</b>	<b>45</b>	<b>12</b>	1.0	3.0
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*Eydie Schwartz*

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**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Cal Environmental  
 Project No: NA  
 Project Name: Chatsworth Park

AA Project No: A243629  
 Date Received: 10/04/12  
 Date Reported: 10/24/12

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>PAHs SIM by EPA 8270C - Quality Control</b>										
<i>Batch B2J1701 - EPA 3545 MS</i>										
<b>Blank (B2J1701-BLK1)</b>										
Prepared: 10/17/12 Analyzed: 10/19/12										
Acenaphthene	<0.0050	0.0050	mg/kg wet							
Acenaphthylene	<0.0050	0.0050	mg/kg wet							
Anthracene	<0.0040	0.0040	mg/kg wet							
Benzo(a)anthracene	<0.0060	0.0060	mg/kg wet							
Benzo(a)pyrene	<0.0040	0.0040	mg/kg wet							
Benzo(b)fluoranthene	<0.0060	0.0060	mg/kg wet							
Benzo(g,h,i)perylene	<0.0050	0.0050	mg/kg wet							
Benzo(k)fluoranthene	<0.0030	0.0030	mg/kg wet							
Chrysene	<0.0050	0.0050	mg/kg wet							
Dibenzo(a,h)anthracene	<0.010	0.010	mg/kg wet							
Fluoranthene	<0.0050	0.0050	mg/kg wet							
Fluorene	<0.0050	0.0050	mg/kg wet							
Indeno (1,2,3-cd) pyrene	<0.020	0.020	mg/kg wet							
2-Methylnaphthalene	<0.0050	0.0050	mg/kg wet							
Naphthalene	<0.0040	0.0040	mg/kg wet							
Phenanthrene	<0.0030	0.0030	mg/kg wet							
Pyrene	<0.0040	0.0040	mg/kg wet							
Benzo(a)pyrene-equivalents	<0.0030	0.0030	mg/kg wet							
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.0338</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>84.5</i>	<i>43-116</i>			
<i>Surrogate: Terphenyl-dl4</i>	<i>0.0416</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>104</i>	<i>33-141</i>			
<b>LCS (B2J1701-BS1)</b>										
Prepared: 10/17/12 Analyzed: 10/19/12										
Acenaphthene	<b>0.0486</b>	0.0050	mg/kg wet	0.040		122	30-140		40	
Acenaphthylene	<b>0.0478</b>	0.0050	mg/kg wet	0.040		120	30-140		40	
Anthracene	<b>0.0372</b>	0.0040	mg/kg wet	0.040		93.0	30-140		40	
Benzo(a)anthracene	<b>0.0532</b>	0.0060	mg/kg wet	0.040		133	30-140		40	
Benzo(a)pyrene	<b>0.0290</b>	0.0040	mg/kg wet	0.040		72.5	30-140		40	
Benzo(b)fluoranthene	<b>0.0248</b>	0.0060	mg/kg wet	0.040		62.0	30-140		40	
Benzo(g,h,i)perylene	<b>0.0242</b>	0.0050	mg/kg wet	0.040		60.5	30-140		40	
Benzo(k)fluoranthene	<b>0.0288</b>	0.0030	mg/kg wet	0.040		72.0	30-140		40	
Chrysene	<b>0.0340</b>	0.0050	mg/kg wet	0.040		85.0	30-140		40	
Dibenzo(a,h)anthracene	<b>0.0532</b>	0.010	mg/kg wet	0.040		133	30-140		40	

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>PAHs SIM by EPA 8270C - Quality Control</b>										
<i>Batch B2J1701 - EPA 3545 MS</i>										
<b>LCS (B2J1701-BS1) Continued</b> <span style="float: right;">Prepared: 10/17/12 Analyzed: 10/19/12</span>										
Fluoranthene	0.0562	0.0050	mg/kg wet	0.040		140	30-140		40	
Fluorene	0.0494	0.0050	mg/kg wet	0.040		124	30-140		40	
Indeno (1,2,3-cd) pyrene	0.0454	0.020	mg/kg wet	0.040		114	30-140		40	
2-Methylnaphthalene	0.0452	0.0050	mg/kg wet	0.040		113	30-140		40	
Naphthalene	0.0446	0.0040	mg/kg wet	0.040		112	30-140		40	
Phenanthrene	0.0486	0.0030	mg/kg wet	0.040		122	30-140		40	
Pyrene	0.0330	0.0040	mg/kg wet	0.040		82.5	30-140		40	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.0398</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>99.5</i>	<i>43-116</i>			
<i>Surrogate: Terphenyl-dl4</i>	<i>0.0398</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>99.5</i>	<i>33-141</i>			
<b>LCS Dup (B2J1701-BSD1)</b> <span style="float: right;">Prepared: 10/17/12 Analyzed: 10/19/12</span>										
Acenaphthene	0.0400	0.0050	mg/kg wet	0.040		100	30-140	19.4	40	
Acenaphthylene	0.0416	0.0050	mg/kg wet	0.040		104	30-140	13.9	40	
Anthracene	0.0322	0.0040	mg/kg wet	0.040		80.5	30-140	14.4	40	
Benzo(a)anthracene	0.0418	0.0060	mg/kg wet	0.040		104	30-140	24.0	40	
Benzo(a)pyrene	0.0246	0.0040	mg/kg wet	0.040		61.5	30-140	16.4	40	
Benzo(b)fluoranthene	0.0196	0.0060	mg/kg wet	0.040		49.0	30-140	23.4	40	
Benzo(g,h,i)perylene	0.0208	0.0050	mg/kg wet	0.040		52.0	30-140	15.1	40	
Benzo(k)fluoranthene	0.0294	0.0030	mg/kg wet	0.040		73.5	30-140	2.06	40	
Chrysene	0.0290	0.0050	mg/kg wet	0.040		72.5	30-140	15.9	40	
Dibenzo(a,h)anthracene	0.0180	0.010	mg/kg wet	0.040		45.0	30-140	98.9	40	QR-02
Fluoranthene	0.0460	0.0050	mg/kg wet	0.040		115	30-140	20.0	40	
Fluorene	0.0416	0.0050	mg/kg wet	0.040		104	30-140	17.1	40	
Indeno (1,2,3-cd) pyrene	0.0352	0.020	mg/kg wet	0.040		88.0	30-140	25.3	40	
2-Methylnaphthalene	0.0360	0.0050	mg/kg wet	0.040		90.0	30-140	22.7	40	
Naphthalene	0.0388	0.0040	mg/kg wet	0.040		97.0	30-140	13.9	40	
Phenanthrene	0.0400	0.0030	mg/kg wet	0.040		100	30-140	19.4	40	
Pyrene	0.0300	0.0040	mg/kg wet	0.040		75.0	30-140	9.52	40	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.0326</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>81.5</i>	<i>43-116</i>			
<i>Surrogate: Terphenyl-dl4</i>	<i>0.0400</i>		<i>mg/kg wet</i>	<i>0.040</i>		<i>100</i>	<i>33-141</i>			

**General Chemistry Analyses - Quality Control**

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Cal Environmental  
 Project No: NA  
 Project Name: Chatsworth Park

AA Project No: A243629  
 Date Received: 10/04/12  
 Date Reported: 10/24/12

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>General Chemistry Analyses - Quality Control</b>										
<i>Batch B2J0415 - NO PREP</i>										
<b>Duplicate (B2J0415-DUP1) Source: 2J04001-01 Prepared &amp; Analyzed: 10/04/12</b>										
% Solids	93.3	0.100	% by Weight		92.9			0.451	20	
<b>Duplicate (B2J0415-DUP2) Source: 2J04001-19 Prepared &amp; Analyzed: 10/04/12</b>										
% Solids	95.3	0.100	% by Weight		95.1			0.147	20	
<b>Total Metals by EPA 6010B - Quality Control</b>										
<i>Batch B2J1504 - EPA 3050B</i>										
<b>Blank (B2J1504-BLK1) Prepared &amp; Analyzed: 10/12/12</b>										
Lead	<1.0	1.0	mg/kg wet							U
<b>LCS (B2J1504-BS1) Prepared &amp; Analyzed: 10/12/12</b>										
Lead	55.4	1.0	mg/kg wet	50	111	80-120			20	
<b>LCS Dup (B2J1504-BSD1) Prepared &amp; Analyzed: 10/12/12</b>										
Lead	52.5	1.0	mg/kg wet	50	105	80-120		5.47	20	
<b>Duplicate (B2J1504-DUP1) Source: 2J04001-10 Prepared &amp; Analyzed: 10/12/12</b>										
Lead	22.1	1.0	mg/kg dry		21.5			2.90	40	
<b>Matrix Spike (B2J1504-MS1) Source: 2J04001-10 Prepared &amp; Analyzed: 10/12/12</b>										
Lead	75.1	1.0	mg/kg dry	53	21.5	102	75-125		40	
<b>Matrix Spike Dup (B2J1504-MSD1) Source: 2J04001-10 Prepared &amp; Analyzed: 10/12/12</b>										
Lead	74.6	1.0	mg/kg dry	53	21.5	101	75-125	0.632	40	

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 10/24/12

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### Special Notes

- [1] = **QR-02** : The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- [2] = **S-04** : The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- [3] = **U** : Analyte included in the analysis, but not detected

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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

Tel: 818-998-5547 FAX: 818-998-7258

AA.COC No.: 115793

70033788  
Page of

Client: CE Project Name / No.: GPS / LARFD Sampler's Name: C. Buckley

Project Manager: C. Buckley Site Address: DEVONSHIRE ST. Sampler's Signature: [Signature]

Phone: City: CHATSWORTH, CA P.O. No.: [Signature]

Fax: State & Zip: Quote No.:

- TAT Turnaround Codes \*\*
- ① = Same Day Rush
  - ② = 24 Hour Rush
  - ③ = 48 Hour Rush
  - ④ = 72 Hour Rush
  - ⑤ = 5 Day Rush
  - X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

TOTAL LEAD  
PAH's  
MOISTURE

Please enter the TAT Turnaround Codes \*\* below

SEE ALL SAMPLES TO REMOVE LEAD FROM PRIOR TO ANALYSES  
Special Instructions

Client I.D.	AA I.D.	Date	Time	Sample Matrix	No. of Cont	Relinquished by	Date	Time	Received by
CEB-AIII-5 (4')	2504001-01	10/3/12	7:18 AM	Soil	4	[Signature]	10/2/2012	8:57 PM	[Signature]
CEB-AII-6 (2')			7:35		3				
CEB-AII-7 (2')			7:51		3				
CEB-AII-8 (2')			8:15		3				
CEB-AIII-9 (2')			8:25		3				
CEB-AIII-4(4)			8:50		4				
CEB-AVIII-5(4)			9:04		4				
CEB-AVIII-6(4)			9:15		4				
CEB-AVII-7(4)			9:45		4				
CEB-AVIII-8(4)			10:28		4				
CEB-AVIII-9(4)			10:15		4				
CEB-AVIII-10(4)			10:30		4				
CEB-AI-8 (2)			11:00		3				
CEB-AI-9 (2)			11:20		3				
CEB-AI-10 (2)			11:35		3				

REVIEWED

Date: 10/4/12 Time: 0915  
TAT N Days Sign: E. Schweg

AA Project No.: A 243029 / 2504001

Note: By relinquishing samples to American Analyticals, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analyticals.



# AMERICAN ANALYTICALS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311  
Tel: 818-998-5547 FAX: 818-998-7258

AAI COC No.: 115794  
70033798  
Page of

Client: CE Project Name / No.: CEB / LAKEPP Sampler's Name: C. Buckley

Project Manager: C. Buckley Site Address: Devonshire St Sampler's Signature: [Signature]

Phone: \_\_\_\_\_ City: Chatsworth, CA P.O. No.: 74

Fax: \_\_\_\_\_ State & Zip: \_\_\_\_\_ Quote No.: \_\_\_\_\_

- TAT Turnaround Codes \*\*
- ① = Same Day Rush
  - ② = 24 Hour Rush
  - ③ = 48 Hour Rush
  - ④ = 72 Hour Rush
  - ⑤ = 5 Day Rush
  - X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

Client I.D.	AAI I.D.	Date	Time	Sample Matrix	No. of Cont	Please enter the TAT Turnaround Codes ** below	Special Instructions
CEB AII-6 (6)	2504001-16	10/7/12	11:50	Soil	1	T. Lead	
CEB AII-11 (2)		10/7/12	12:06	Soil	3	PAH	
CEB AII-12 (2)		10/7/12	12:27	Soil	2	Moldaw	
CEB AII-13 (2)		10/7/12	12:43	Soil	2		

Client I.D.	AAI I.D.	Date	Time	Sample Matrix	No. of Cont	Please enter the TAT Turnaround Codes ** below	Special Instructions
CEB AII-6 (6)	2504001-16	10/7/12	11:50	Soil	1	T. Lead	
CEB AII-11 (2)		10/7/12	12:06	Soil	3	PAH	
CEB AII-12 (2)		10/7/12	12:27	Soil	2	Moldaw	
CEB AII-13 (2)		10/7/12	12:43	Soil	2		

For Laboratory Use

**REVIEWED**

Date: 10/14/12 Time: 0915

TAT N Days Sign: [Signature]

Relinquished by: [Signature] Date: 10/12/12 Time: 8:50p Received by: [Signature]

Relinquished by: [Signature] Date: 10/14/12 Time: 9:50 Received by: [Signature]

Note: By relinquishing samples to American Analyticals, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analyticals.



9765 Eton Avenue  
Chatsworth  
California 91311  
Tel: (818) 998-5547  
Fax: (818) 998-7258

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November 01, 2012

Charles Buckley  
Cal Environmental  
30423 Canwood Street, Suite 208  
Agoura Hills, CA 91301

**Re : Chatsworth Park  
A243629 / 2J04001**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/04/12 08:50 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Eydie Schwartz  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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### Lead TCLP EPA 6010B

CEB-AVIII-4 (4')	2J04001-06	Soil	5	10/03/12 08:50	10/04/12 08:50
CEB-AIII-6 (6")	2J04001-16	Soil	5	10/03/12 11:50	10/04/12 08:50

### Metals STLC

CEB-AIV-6 (2')	2J04001-02	Soil	5	10/03/12 07:35	10/04/12 08:50
CEB-AVIII-4 (4')	2J04001-06	Soil	5	10/03/12 08:50	10/04/12 08:50
CEB-AIII-6 (6")	2J04001-16	Soil	5	10/03/12 11:50	10/04/12 08:50
CEB-AI-11 (2')	2J04001-17	Soil	5	10/03/12 12:06	10/04/12 08:50

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*Eydie Schwartz*

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**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

### ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
<b><u>Soluble Metals STLC by ICP</u></b>								
Lead	CEB-AIV-6 (2')	<b>8.3</b>	0.10	mg/L dry	1	10/29/12	10/29/12	EPA 6010B
Lead	CEB-AVIII-4 (4')	<b>4.0</b>	0.10	mg/L dry	1	10/29/12	10/29/12	EPA 6010B
Lead	CEB-AIII-6 (6")	<b>5.4</b>	0.10	mg/L dry	1	10/29/12	10/29/12	EPA 6010B
Lead	CEB-AI-11 (2')	<b>4.3</b>	0.10	mg/L dry	1	10/29/12	10/29/12	EPA 6010B
<b><u>Soluble Metals TCLP by ICP</u></b>								
Lead	CEB-AIII-6 (6")	<b>0.11</b>	0.10	mg/L	1	10/30/12	10/30/12	EPA 6010B

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



**LABORATORY ANALYSIS RESULTS**

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** Soluble Metals STLC by ICP

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/L dry

<b>Date Sampled:</b>	10/03/12	10/03/12	10/03/12	10/03/12		
<b>Date Prepared:</b>	10/29/12	10/29/12	10/29/12	10/29/12		
<b>Date Analyzed:</b>	10/29/12	10/29/12	10/29/12	10/29/12		
<b>AA ID No:</b>	2J04001-02	2J04001-06	2J04001-16	2J04001-17		
<b>Client ID No:</b>	CEB-AIV-6 (2')	CEB-AVIII-4 (4')	CEB-AIII-6 (6")	CEB-AI-11 (2')		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>Dilution Factor:</b>	1	1	1	1	MDL	MRL

**Metals STLC (EPA 6010B)**

Lead	<b>8.3</b>	<b>4.0</b>	<b>5.4</b>	<b>4.3</b>	0.10	0.10
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*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



**LABORATORY ANALYSIS RESULTS**

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park  
**Method:** Soluble Metals TCLP by ICP

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12  
**Units:** mg/L

<b>Date Sampled:</b>	10/03/12	10/03/12		
<b>Date Prepared:</b>	10/30/12	10/30/12		
<b>Date Analyzed:</b>	10/30/12	10/30/12		
<b>AA ID No:</b>	2J04001-06	2J04001-16		
<b>Client ID No:</b>	CEB-AVIII-4 (4')	CEB-AIII-6 (6")		
<b>Matrix:</b>	Soil	Soil		
<b>Dilution Factor:</b>	1	1	MDL	MRL

**Lead TCLP EPA 6010B (EPA 6010B)**

Lead	<0.031	<b>0.11</b>	0.031	0.10
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*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Cal Environmental  
 Project No: NA  
 Project Name: Chatsworth Park

AA Project No: A243629  
 Date Received: 10/04/12  
 Date Reported: 11/01/12

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Soluble Metals STLC by ICP - Quality Control</b>										
<i>Batch B2J2910 - EPA 3010A</i>										
<b>Blank (B2J2910-BLK1)</b>										
Prepared & Analyzed: 10/29/12										
Lead	<0.10	0.10	mg/L wet							
<b>LCS (B2J2910-BS1)</b>										
Prepared & Analyzed: 10/29/12										
Lead	1.06	0.10	mg/L wet	1.0	106	80-120			20	
<b>LCS Dup (B2J2910-BSD1)</b>										
Prepared & Analyzed: 10/29/12										
Lead	1.06	0.10	mg/L wet	1.0	106	80-120		0.188	20	
<b>Duplicate (B2J2910-DUP1)</b>										
Source: 2J04001-16 Prepared & Analyzed: 10/29/12										
Lead	5.08	0.10	mg/L dry		5.36			5.34	20	
<b>Soluble Metals TCLP by ICP - Quality Control</b>										
<i>Batch B2J3004 - TCLP by EPA3010A</i>										
<b>Blank (B2J3004-BLK1)</b>										
Prepared & Analyzed: 10/30/12										
Lead	<0.031	0.031	mg/L							
<b>LCS (B2J3004-BS1)</b>										
Prepared & Analyzed: 10/30/12										
Lead	1.09	0.031	mg/L	1.0	109	85-115				
<b>LCS Dup (B2J3004-BSD1)</b>										
Prepared & Analyzed: 10/30/12										
Lead	1.08	0.031	mg/L	1.0	108	85-115		1.10	25	
<b>Duplicate (B2J3004-DUP1)</b>										
Source: 2J05019-09 Prepared & Analyzed: 10/30/12										
Lead	<0.031	0.031	mg/L						20	

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Cal Environmental  
**Project No:** NA  
**Project Name:** Chatsworth Park

**AA Project No:** A243629  
**Date Received:** 10/04/12  
**Date Reported:** 11/01/12

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**Special Notes**

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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311  
Tel: 818-998-5547 FAX: 818-998-7258

AA.COC No.: 115793

70033788  
Page of

Client: CE Project Name / No.: CP5 / LARFD Sampler's Name: C. Buckley

Project Manager: C. Buckley Site Address: DEVONSHIRE ST Sampler's Signature: [Signature]

Phone: City: Chatsworth, CA P.O. No.: [Signature]

Fax: State & Zip: Quote No.:

- TAT Turnaround Codes \*\*
- ① = Same Day Rush
  - ② = 24 Hour Rush
  - ③ = 48 Hour Rush
  - ④ = 72 Hour Rush
  - ⑤ = 5 Day Rush
  - X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

Total Lead	
PAH's	
MOISTURE	
STLC Pb	
TELPPb	

Instructions:  
Special  
SEAL ALL SAMPLES TO PREVENT LEAKS  
Prior to Analysis

Client I.D.	AA I.D.	Date	Time	Sample Matrix	No. of Cont.	Please enter the TAT Turnaround Codes ** below		Received by
CEB-AIII-5 (4)	2504001-01	10/3/12	7:18 AM	Soil	4	X	X	[Signature]
CEB-AIV-6 (2)			7:35		3	X	X	[Signature]
CEB-AIV-7 (2)			7:51		3	X	X	[Signature]
CEB-AIV-8 (2)			8:15		3	X	X	[Signature]
CEB-AIV-9 (2)			8:25		3	X	X	[Signature]
CEB-AVIII-4 (4)			8:50		4	X	X	[Signature]
CEB-AVIII-5 (4)			9:04		4	X	X	[Signature]
CEB-AVIII-6 (4)			9:15		4	X	X	[Signature]
CEB-AVIII-7 (4)			9:45		4	X	X	[Signature]
CEB-AVIII-8 (4)			10:23		4	X	X	[Signature]
CEB-AVIII-9 (4)			10:15		4	X	X	[Signature]
CEB-AVIII-10 (4)			10:30		4	X	X	[Signature]
CEB-AI-8 (2)			11:00		3	X	X	[Signature]
CEB-AI-9 (2)			11:20		3	X	X	[Signature]
CEB-AI-10 (2)			11:35		3	X	X	[Signature]

REVIEWED

Date: 10/4/12 Time: 09:15

TAT N Days Sign: E. Bullock

Relinquished by: [Signature] Date: 10/4/2012 Time: 8:57 Received by: [Signature]

Relinquished by: [Signature] Date: 10/4/12 Time: 08:50 Received by: [Signature]

Note: By relinquishing samples to American Analytix, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytix.



# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

Tel: 818-998-5547 FAX: 818-998-7258

AA CQC No.: MS764

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Page    of   

Client: CE Project Name / No.: CEB / LARFP Sampler's Name: C. Buckley

Project Manager: C. Buckley Site Address: Devonshire St Sampler's Signature: [Signature]

Phone: [Blank] City: Chatsworth, CA P.O. No.: 74

Fax: [Blank] State & Zip: [Blank] Quote No.: [Blank]

- TAT Turnaround Codes \*\*
- ① = Same Day Rush
  - ② = 24 Hour Rush
  - ③ = 48 Hour Rush
  - ④ = 72 Hour Rush
  - ⑤ = 5 Day Rush
  - X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

T. Lead	
PAH	
Mercury	
SHC-Pb	
TCLP-Pb	

Client I.D.	AA I.D.	Date	Time	Sample Matrix	No. of Cont	Please enter the TAT Turnaround Codes ** below	Special Instructions
CEB AII-6 (2)	2504001	10/3/12	11:50	Soil	1		L TR only
CEB AI-11 (2)		17	12:06	✓	3		0-6" Sample
CEB AI-12 (2)		18	13:28	✓	✓		
CEB AI-13 (2)		19	12:43	✓	✓		

For Laboratory Use

**REVIEWED**

Date: 10/4/12 Time: 09:5

TAT N Days Sign: [Signature]

Relinquished by: [Signature] Date: 10/4/12 Time: 8:57 Received by: [Signature]

Relinquished by: [Signature] Date: 10/4/12 Time: 9:50 Received by: [Signature]

Relinquished by: [Signature] Date: [Blank] Time: [Blank] Received by: [Blank]

Note: By relinquishing samples to American Analytix, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytix.