

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY  
ALEX BRISCOE, Agency Director



ENVIRONMENTAL HEALTH DEPARTMENT  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

November 5, 2014

Ms. Sandra Gudiel  
23830 Saklan Road  
Hayward, CA 94545

Mr. Fernando Ramirez  
23836 Saklan Road  
Hayward, CA 94545

Mr. and Mrs. Tatsumi Hirakawa  
24137 Eden Avenue  
Hayward, CA 94545

Subject: Closure Transmittal; Site Cleanup Program (SCP) Case RO0002795 and Geotracker Global ID T10000005081; Ventura Properties, 23830 and 23836 Saklan Road, and 24137 Eden Avenue, Hayward, CA 94545

Dear Responsible Parties:

This letter confirms the completion of site investigation and remedial actions for the soil and groundwater investigation at the above referenced site. We are also transmitting the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported releases at the subject site with the provision that the information provided to this agency was accurate and representative of existing conditions. The subject Site Cleanup Program (SCP) case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (<http://geotracker.waterboards.ca.gov>) and the Alameda County Environmental Health website (<http://www.acgov.org/aceh/index.htm>).

#### Land Use Restriction

Three residential wells and one agricultural water supply well are located on the three subject parcels. It is understood these water wells will be properly destroyed under permit prior to site redevelopment; however, cannot be destroyed prior to case closure due to continued use by one site owner, and one well is in very close proximity to the residential home and cannot be destroyed without a potential structural concern to the home. Therefore as a condition of redevelopment, to be overseen by the City of Hayward, site grading cannot proceed prior to well destruction.

#### Restrictions For Residential Use

None. Affected soil has been excavated and disposed off-site in approved landfills. Soil conditions meet existing residential land use criteria.

If you have any questions, please call Mark Dettnerman at (510) 567-6876. Thank you.

Sincerely,

A handwritten signature in blue ink that reads "Dilan Roe". The signature is fluid and cursive.

Dilan Roe, P.E.  
LOP and SCP Program Manager

Enclosures: Case Closure Summary

Responsible Parties

RO0002795

October 30, 2014, Page 2

cc: Cherie McCaulou, San Francisco Bay Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, CA 94612, (sent via electronic mail to [CMacaulou@waterboards.ca.gov](mailto:CMacaulou@waterboards.ca.gov))

Hugh Murphy, Hayward Fire Department, 777 B Street, Hayward, CA 94541 (sent via electronic mail to [Hugh.Murphy@hayward-ca.gov](mailto:Hugh.Murphy@hayward-ca.gov))

City of Hayward Public Works, Alex Ameri, Director, Utilities & Environmental Services, City Hall, 4<sup>th</sup> Floor, 777 B Street, Hayward, CA 94541; sent via electronic mail to [Alex.Ameri@hayward-ca.gov](mailto:Alex.Ameri@hayward-ca.gov))

City of Hayward Planning, Linda Ajello, Associate Planner, City Hall, Lobby, 777 B Street, Hayward, CA 9454194544; (sent via electronic mail to [Linda.Ajello@hayward-ca.gov](mailto:Linda.Ajello@hayward-ca.gov))

Alameda County Public Works Agency, James Yoo, 399 Elmhurst St, Hayward, CA 94544 (sent via electronic mail to [jyoo@acpwa.org](mailto:jyoo@acpwa.org))

Tim Costello, Tetra Tech, 2969 Prospect Park Drive, Suite 100, Rancho Cordova, CA 95670 (sent via electronic mail to [timothy.costello@tetrattech.com](mailto:timothy.costello@tetrattech.com))

Dilan Roe, (sent via electronic mail to [dilan.roe@acgov.org](mailto:dilan.roe@acgov.org))

Mark Detterman (sent via electronic mail to [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org))

Electronic File, GeoTracker

**Alameda County Environmental Health**

**CASE CLOSURE SUMMARY  
SITE CLEANUP PROGRAM**

Date: November 4, 2014

**I. AGENCY INFORMATION**

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6876
Responsible Staff Person: Mark Detterman, PG, CEG	Title: Senior Hazardous Materials Specialist

**II. CASE INFORMATION**

Site Facility Name: Ventura Properties		
Site Facility Address: 23830 and 23836 Saklan Road, and 24137 Eden Avenue, Hayward, CA 94545		
RB Case No.: ----	Previous Case STiD No.: ----	LOP Case No.: RO0002795
GeoTracker ID: T0000005081	APN: 441-100-1-2, 441-100-2-2, and 441-100-3-2; respectively	
Current Land Use: Residential		
Responsible Parties	Addresses	Phone Numbers
Mr. & Mrs. Tatsumi Hirakawa	24137 Eden Ave, Hayward, CA 94545	----
Ms. Sandra Gudiel	23830 Saklan Rd, Hayward, CA 94545	----
Mr. Fernando Ramirez	23836 Saklan Rd, Hayward, CA 94545	----

This Case Closure Summary along with the Case Closure Transmittal letter provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Environmental Health (ACEH) website (<http://www.acgov.org/aceh/lop/ust.htm>) or the State of California Water Resources Control Board GeoTracker website (<http://geotracker.waterboards.ca.gov>). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACEH website.

### III. RELEASE AND SITE CHARACTERIZATION INFORMATION

**Cause and Type of Release:** Release of organochlorine pesticides (OCPs) resulting from application of pesticides during operation of historical wholesale nurseries (Eden Nursery, Goding's Wholesale Flowers), greenhouse land use, and operation of a landscaping business at the Saklan Road and Eden Avenue parcels. The cause and source of polychlorinated biphenyls (PCB) contamination at the Saklan Road and Eden Avenue parcels was not determined.

**Primary constituents of concern:** alpha-BHC, delta-BHC, gamma-BHC (Lindane), Chlordane, Dieldrin, DDT, DDD, DDE, PCBs (Arochlor 1260).

Areas of site investigated for this case: All areas of suspected releases where organochlorine pesticides may have been applied to surface soils and several greenhouse locations on the three contiguous parcels.

**Remediation completed:** Shallow soil excavation and landfill disposal.

January 1992:

Limited-extent soil tilling to 18-24 inches below ground surface (bgs) on the eastern portion of 23830 Saklan Road.

2013 and 2014:

An excavator and backhoe were utilized for soil excavation to depths ranging from 1-foot to 1.5-feet in areas where identified contaminant concentrations were above residential land use. Final cleanup goals were defined as the lowest concentration determined by either the San Francisco Bay Regional Water Quality Control Board's (RWQCBs) Environmental Screening Level (ESL) for residential land use, dated December 2013 (but initially included previous versions) or Federal EPA Regional Screening Levels (RSL) for residential soil, dated November 2012. The potential success and extent of removal was subsequently confirmed with additional soil sampling. Airborne particulate generation was minimized by utilizing water spray during excavation and truck loading. Perimeter air monitoring was conducted over the majority of each 8-hour work day (4 days) to verify potential dust emissions. No pesticide or PCB compounds were detected during the monitoring events. Where OSHA PEL and TWA reporting limits existed (e.g. for chlordane and DDT), those PELs and TWAs were not exceeded. Dust monitoring indicated that all results were below 0.5 mg/m<sup>3</sup> and that wetting of soil during excavation activities prevented pesticide-impacted dust from leaving the subject site.

During August and October 2013, 329.41 tons of pesticide-impacted soil was excavated from the 23636 Saklan Road and 24137 Eden Avenue parcels and disposed off-site. The parcel located at 23830 Saklan Road did not contain soil concentrations exceeding applicable cleanup screening criteria. Approximately 279 tons was disposed at Recology Hay Road Landfill as non-hazardous waste and approximately 49 tons of soil was disposed at Buttonwillow Landfill as hazardous waste. Initial confirmation soil samples were collected on August 28, September 10, and September 30, 2013. Final over-excavation confirmation soil samples were collected on March 27, 2014 which demonstrated that OCPs and PCB concentrations at 23836 Saklan Road and 24137 Eden Avenue were below cleanup screening criteria.

An additional 28.56 tons of soil was excavated in June 2014 at and around "Conf-3" soil sample location to remove concentrations of beta-BHC in surface soils above residential use screening criteria. The soil was disposed of at the Buttonwillow Landfill as hazardous waste. Final confirmation of the removal of contaminated soil beneath "Conf-3" (collected at 0.5 feet below surface grade [bgs]) was not conducted due to the consistency of non-detectable concentrations at the final depth of removal (1 to 1.5 feet bgs).

Number of monitoring wells installed: None	Number of monitoring wells destroyed: N/A	Number of monitoring wells remaining: N/A
Highest Groundwater Depth Below Ground Surface: 7 feet bgs	Lowest Groundwater Depth Below Ground Surface: 20 feet bgs*	Groundwater Flow Direction: West-southwest to south-southwest*
Most Sensitive Current Groundwater Use: Potential drinking water source for Municipal and Domestic Supply within the Santa Clara Valley – East Bay Plain Groundwater Basin (Basin ID: 2-9.04).		

\* Estimated from adjacent sites and sites within a one-mile radius at elevations both higher and lower than the subject site (Former Food Maker T0600194276; Hayward ANG Boiler House T0600178494; Chevron 9-5416 T0600100319 and Trident Truck Lines Inc (T0600100600; RO0002821).

Summary of Production Wells in Vicinity:

- 23830 Saklan Road – One potable well was reportedly located on this parcel within a tool shed. The current residence is hooked up to City of Hayward water system.
- 23836 Saklan Road – One potable well (referred to as a domestic well and/or agricultural well) is located in the eastern portion of the parcel. A second water well exists in the backyard of the parcel. This residence is hooked up to City of Hayward water system.
- 24137 Eden Avenue – One water well exists on this parcel; use was not stated, but likely it is for domestic/potable purposes as this residence was not hooked up to City of Hayward water system as of December 2013.
- The GeoTracker Groundwater Ambient Monitoring and Assessment database indicates no public supply wells within a 2,000 foot radius.
- The SWRCB GeoTracker database indicates no nearby wells are impacted. Additionally, GeoTracker indicates there are no California Department of Public Health wells within 1,500 feet of the site.
- Alameda County Public Works Agency (ACPWA) 2,000 foot radius water well survey identified 30 water supply wells in the downgradient (west to south-southwest) direction. The nearest domestic use water well is a cluster of 22 wells located approximately 1,800 feet southwest in what appears to be an industrial area. The nearest irrigation use water well is located approximately 260 feet southwest. The nearest industrial use water well are two wells located approximately 950 feet south-southwest. These wells are not considered receptors for the subject site as the site is classified as a “soils only” case.
- ACPWA identified four municipal wells nearest the site; however, these four municipal wells are located approximately 2,100 feet north-northwest (upgradient) and 2,100 feet southeast (crossgradient). These four municipal wells are not considered receptors for the subject site as the site is classified as a “soils only” case.

Are drinking water wells affected? No	Aquifer Name: East Bay Plain (Basin ID: 2-9.04)
Is surface water affected? No	Nearest Surface Water Name: Hayward Landing Canal (engineered channel) is approximately 945 feet south (cross gradient) and 1,900 feet southwest (downgradient). San Francisco Bay salt evaporator ponds are approximately 1 mile west of the site.

**GROUNDWATER SPECIFIC CRITERIA – NON-PETROLEUM**

Has a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame?		Yes. This is a soil only case; there appear to be no groundwater impacts.
Site Data		Comments
Plume Length	N/A	Soils only case, no groundwater impacts.
Estimated Age of Plume	N/A	Soils only case, no groundwater impacts.
Non-Aqueous Phase Liquid (NAPL)	No NAPL	Soils only case, no groundwater impacts.
Plume Stable or Decreasing	N/A	Soils only case, no groundwater impacts.
Distance to Nearest Water Supply Well	Water supply wells exist on each of three parcels.	Soils only case, no groundwater impacts.
Distance to Nearest Surface Water and Direction	Hayward Landing Canal: 1,900 feet south-west down-gradient and 940 feet south cross-gradient; SF Bay and marshland 1.25 miles west down-gradient.	Soils only case, no groundwater impacts.

**GROUNDWATER CONCENTRATIONS FOR PRIMARY CONSTITUENTS OF CONCERN**

Constituent	Historic Site Maximum (ug/L) (ppb)	Current Site Maximum (ug/L) (ppb)	Constituent	Historic Site Maximum (ug/L) (ppb)	Current Site Maximum (ug/L) (ppb)
Aldrin	<0.025 ug/L	<0.025 ug/L	----		
BHC (Lindane)	<0.025 ug/L	<0.025 ug/L	----		
DDD	<0.15 ug/L	<0.15 ug/L	----		
DDT	<0.15 ug/L	<0.15 ug/L	----		
DDE	<0.050 ug/L	<0.050 ug/L	----		
PCB	<0.50 ug/L	<0.50 ug/L	----		

**Comments:** In May 1991 three water samples (R-30, R36S, and RW36) were collected from the three domestic supply wells on each parcel (23830 and 23836 Saklan Road, and 24137 Eden Avenue). All water sample concentrations were not detected above the laboratory reporting limits for organochlorine pesticides and PCBs. Therefore the site is considered to be a soils only case with no evidence of leaching to groundwater.

Soils only-case determined appropriate for these COCs as Organochlorine Pesticides (OCPs) and Poly-Chlorinated Bi-Phenyls (PCBs) are unlikely to leach to groundwater based on the following factors (USGS fact Sheet 092-00, CLU-IN.org, U.S. Fish & Wildlife Service, World Health Organization):

- Soil is high in clay and organic (carbon) matter. OCPs and PCBs are resistant to breakdown (e.g. DDT half-life of 90% loss in 25 to 40 years) and readily adsorb to sediments and soil. They have a tendency to strongly adsorb to soils (notably clay and organic matter) due to high solubility in lipids and comparatively low water solubility.
- Mobility of DDT and related products in soil has been reported to be extremely slow. PCB migration through groundwater is calculated to be 0.01 to 1 inch per year.
- Solubility of the COCs is extremely low (e.g. Aldrin is practically insoluble) or COCs with higher solubility (e.g. Lindane) have low concentrations (and below RLs post-remediation) and do not form appreciable leachate.
- Surface soil type is low-permeability clay (Clear Lake clay is described a very deep and poorly drained) limiting surface water infiltration.
- Post-remediation confirmation soil sample concentrations are below laboratory reporting limits, or below residential cleanup criteria, below 1.5 feet bgs, the maximum depth to which soils were overexcavated. It is unlikely these COCs leached vertically to groundwater, which is minimally six feet below the deepest soil contamination.
- Topography is relatively flat preventing run-off from precipitation.

VAPOR SPECIFIC CRITERIA – NON-PETROLEUM

Are maximum soil vapor concentrations less than relevant screening criteria?	Chemicals of concern are not volatile; therefore, no soil vapor sampling required. See comments below.
Has a determination been made that the potential for vapor intrusion poses a low threat to human health and safety under the current land use?	Yes Current and future Land use is residential. Based on soil over-excavation, the source mass has been removed.
Has a determination been made that the potential for vapor intrusion poses a low threat to human health and safety if land use changes to a residential or other conservative land use in the future?	Yes Current and future land use is residential. Constituents screened to residential criteria.

**Comments:** A chemical is considered “vapor-forming” if the Henry’s Law constant is greater than 10e-05 atmosphere-meter cubed per mole (atm m<sup>3</sup>/mole), with a vapor pressure greater than 1 milliliter of mercury (mm Hg), and a molecular weight less than 200 grams per mole (g/mol) (DTSC Vapor Intrusion Guidance, Dec. 2004, EPA OSWER, April 2013):

- Gamma-BHC (Lindane): The Henry’s Law constant is 4.9e-07, the vapor pressure is 9.4e-6 mm Hg, and the molecular weight is 291 g/mol.
- Aldrin: The Henry’s Law constant is 5.0e-05, the vapor pressure is 2.3e-5 mm Hg, and the molecular weight is 365 g/mol.
- Dieldrin: The Henry’s Law constant is 5.8e-05, the vapor pressure is 1.8e-8 mm Hg, and the molecular weight is 381 g/mol.
- Chlordane: The Henry’s Law constant is 4.8e-05, the vapor pressure is 1.0e-5 mm Hg, and the molecular weight is 410 g/mol.
- PCB (e.g. Arochlor 1260): The Henry’s Law constant is 5.2e-04, the vapor pressure is 4.9e-4 to 6.7e-3 mm Hg, and the average molecular weight is 327 g/mol.
- DDT: The Henry’s Law constant is 3.9e-05, the vapor pressure is 1.0e-6 mm Hg, and the molecular weight is 355 g/mol.
- DDE: The Henry’s Law constant is 6.8e-05, the vapor pressure is 6.5e-6 mm Hg, and the molecular weight is 329 g/mol.
- DDD: The Henry’s Law constant is 8.0e-06, the vapor pressure is 5.5e-6 mm Hg, and the molecular weight is 331 g/mol.

Constants on Table J-1, *Physical-Chemical Values* from the RWQCB ESL (December 2013):

At ambient conditions, Lindane (gamma-BHC), Aldrin, Dieldrin, Chlordane, PCBs, DDT, DDE, and DDD are not considered volatile enough (non “vapor-forming”) to volatilize to indoor air. The RWQCB ESLs consider a chemical to be volatile if Henry’s Law constant (atm m<sup>3</sup>/mole) is greater than 1.0e-05 and a molecular weight less than 200.



**DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA – NON-PETROLEUM**

Are maximum soil concentrations within the upper 10 feet less than relevant screening criteria?	Yes Impacted upper 1.5 feet excavated to below residential ESLs / RSLs.
Has a determination been made that the potential for direct contact with site contamination in shallow soil (upper 10 feet) poses a low threat to human health and safety under the current land use?	Yes Corrective Actions are protective of residential land use exposure (The current and future land use scenario.)
Has a determination been made that the potential for direct contact with site contamination in shallow soil (upper 10 feet) poses a low threat to human health and safety if land use changes to a residential or other conservative land use in the future?	Yes Corrective Actions are protective of residential land use exposure (The current and future land use scenario.)

**Comments:** Direct contact and outdoor air exposure are the main pathway from source to receptor due to OCP and PCB chemical characteristics.

The three parcels are planned to be redeveloped into townhomes, matching surrounding land use to the north and south. The selected RSL and ESL corrective action goals were based on a residential receptor, as the most conservative.

**Maximum concentrations remaining in soil post-remediation via over-excavation**

Contaminant	Residential max concentration (µg/kg) ESL / RSL cleanup goal (µg/kg)
Alpha-BHC	45 <i>No value / 77</i>
Beta-BHC	180 <i>No value / 270</i>
Delta-BHC	<100 <i>No value / No value</i>
Gamma-BHC or Gamma-Hexachlorocyclohexane (Lindane)	<100
Chlordane	21,000 / 520 <200 440 / 1,600
4,4'-DDD	<150 2,400 / 2,000
4,4'-DDE	790 1,700 / 1,400
4,4'-DDT	1,400 1,700 / 1,700
Dieldren	10 34 / 40
Aldrin	34 <sup>a</sup> 32 / ----
Aroclor 1260 (PCBs)	<20 220 / 220

SF Bay RWQCB ESL (December 2013), Direct Exposure Soil Screening Levels (Table K-1) and US EPA RSL, Summary Table, Residential Soil, November 2013. (Values in micrograms per kilogram [µg/kg]).

<sup>a</sup> Only two known detections at the three parcels (Composite #2 and #3 with 34 and 15 µg/l, respectively) from the November 1990 sampling event located at 23836 Saklan Road. These detections were not considered significant enough to classify Aldrin as a constituent of concern needing remediation.

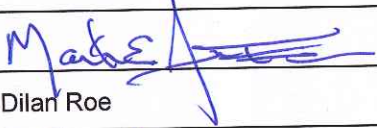
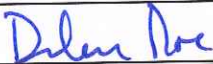
#### IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes	
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes	
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current and proposed land use and conditions.	
<b>Site Management Requirements:</b>	
<b>Land Use Restriction:</b> Three residential wells and one agricultural water supply well are located on the three subject parcels. It is understood these water wells will be properly destroyed under permit prior to site redevelopment; however, cannot be destroyed prior to case closure due to continued use by one site owner, and due to one well being in very close proximity to the residential house. This hinders the destruction of the well due to the structural threat posed to the home. Finally, financial constraints (the properties and wells are not yet owned by Valley Oaks Partners) prevent well destruction prior to closure. Therefore as a condition of redevelopment, to be overseen by the City of Hayward, site grading cannot proceed prior to well destruction.	
<b>Restrictions for residential use:</b> None; affected soil has been excavated and disposed off-site in approved landfills. Soil conditions meet existing residential land use criteria.	
Should corrective action be reviewed if land use changes? No	
Was a deed restriction or deed notification filed? No	Date Recorded: ----

#### V. ADDITIONAL COMMENTS AND CONCLUSION

<b>Additional Comments:</b> Shallow soil impacted by pesticide residues in concentrations above residential land use criteria has been excavated and disposed off-site in approved landfills. A small area of shallow soil containing Arochlor 1260 above residential land use criteria was also identified, excavated, and disposed off-site in an approved landfill. The investigation and cleanup was performed for Valley Oak Partners, LLC, in preparation for purchase of the three parcels and residential re-development. The address for Valley Oak Partners, LLC is 734 The Alameda, San Jose, CA, 95126. <b>Conclusion:</b> Alameda County Environmental Health staff believes that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommends case closure.
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## VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Mark Detterman, P.G., C.E.G.	Title: Senior Hazardous Materials Specialist
Signature: 	Date: 11/4/2014
Approved by: Dilan Roe	Title: LOP and SCP Program Manager
Signature: 	Date: 11/4/2014

## VII. REGIONAL BOARD AND PUBLIC NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Regional Board Notification Date: July 14, 2014	
Public Notification Date: July 14, 2014	

## VIII. WELL DESTRUCTION \*

Date Requested by ACEH: March 10, 2014	Date of Well Destruction Report: N/A	
All Domestic Wells Destroyed: No	Number Destroyed: 0	Number Retained: 4
Reason Wells Retained: See Section IV Closure above.		
Additional requirements for submittal of groundwater data from retained wells: N/A		
ACEH Concurrence - Signature: 	Date: 11/4/2014	

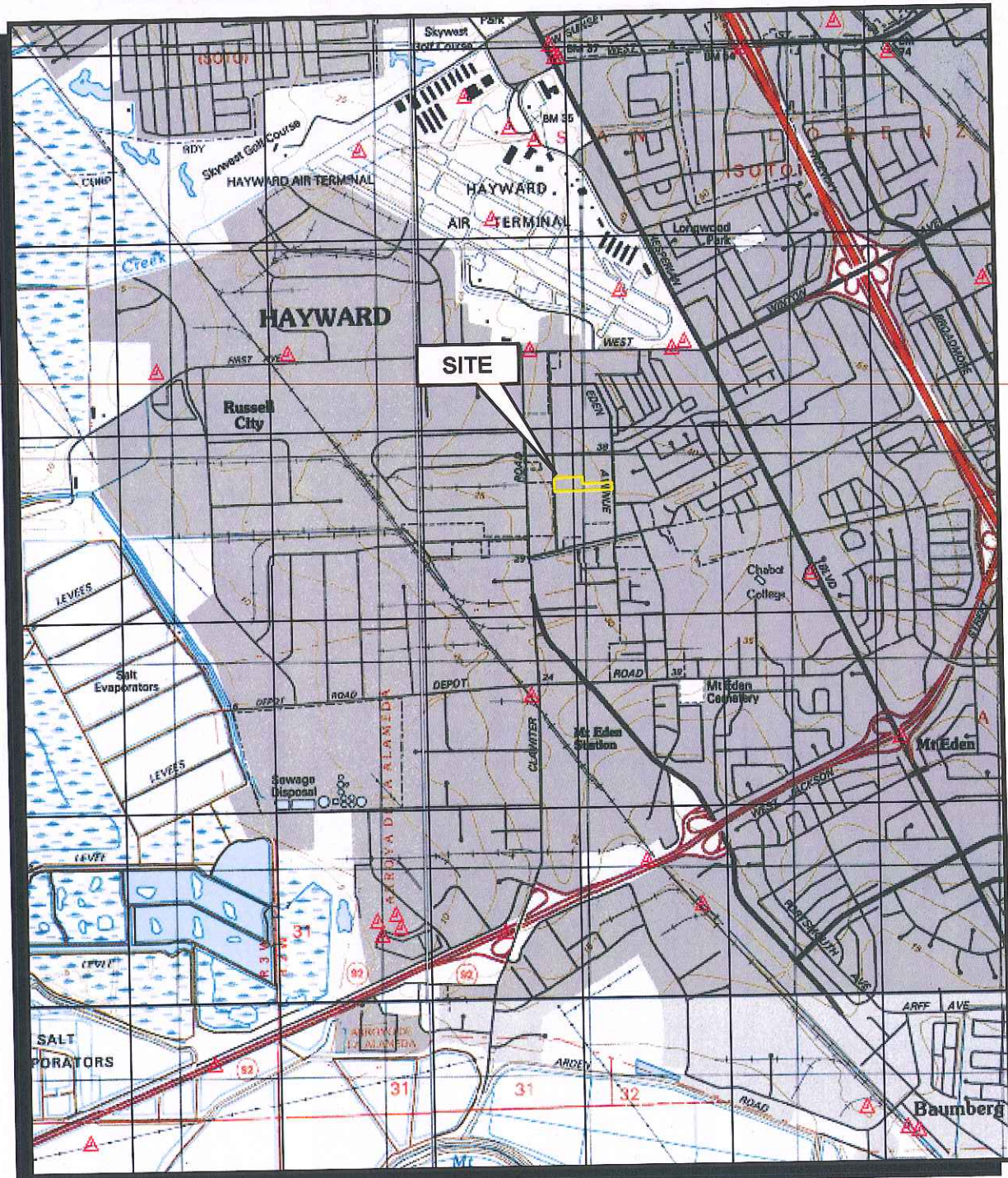
\* No Monitoring wells were installed on the three parcels

### Attachments:

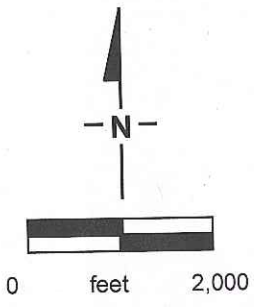
1. Site Vicinity Maps and Aerial Photos (3 pgs)
2. Site Plans (3 pgs)
3. Soil Analytical Data Tables and Figures (organized chronologically by parcel; 49 pgs)
4. Groundwater Analytical Data (3 pgs)

# ATTACHMENT 1

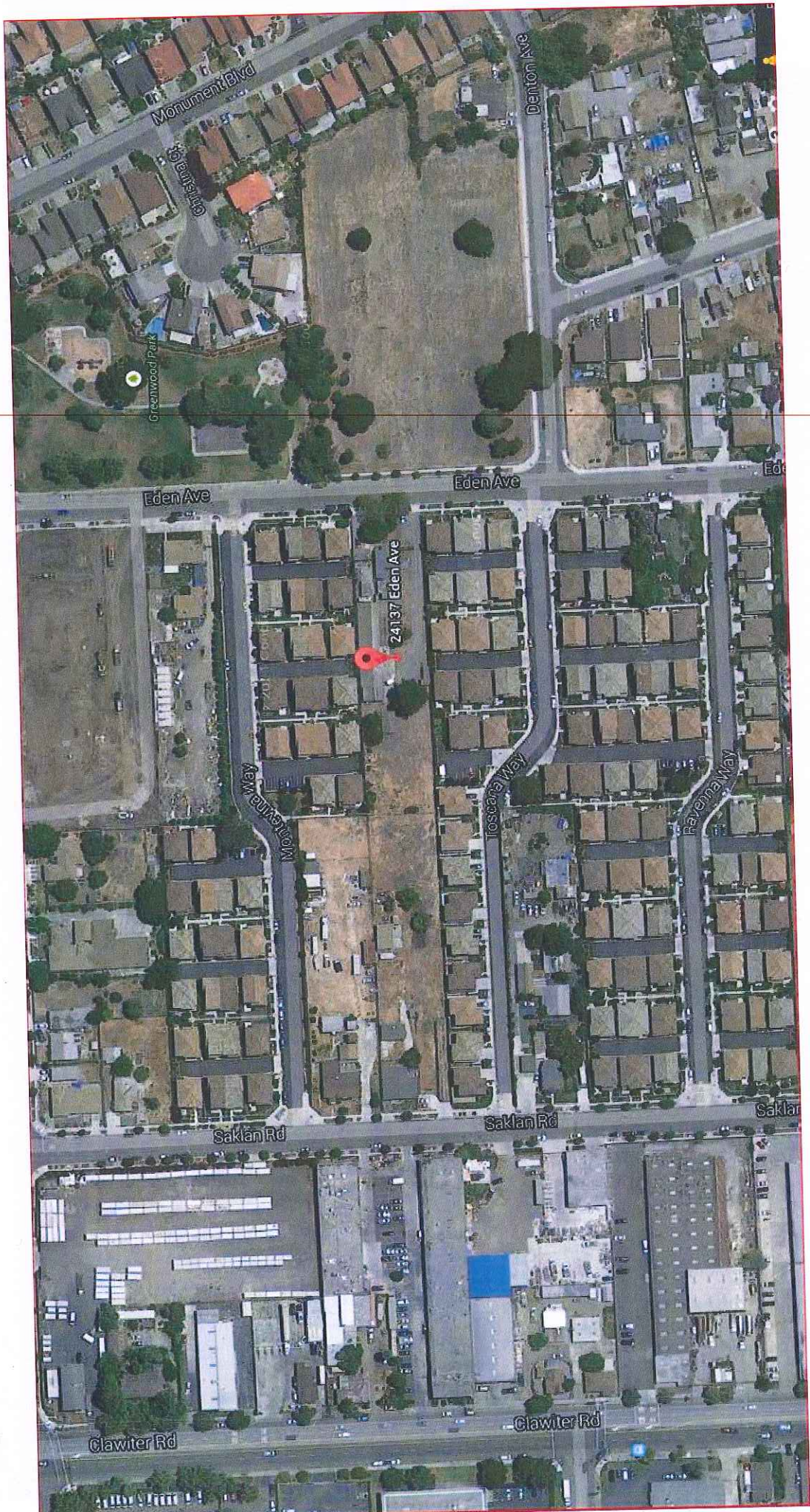
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SOURCE: HAYWARD, CALIFORNIA 7.5-MINUTE QUADRANGLE, 1981.



TITLE:		Site Location Map	
LOCATION:		23830 & 23836 Saklan Road and 24137 Eden Avenue Hayward, California	
 <b>TETRA TECH</b>	CHECKED:	TC	<b>FIGURE:</b>  <b>1</b>
	DRAFTED:	KEM	
	FILE:	117-7059010	
	DATE:	11/5/2013	





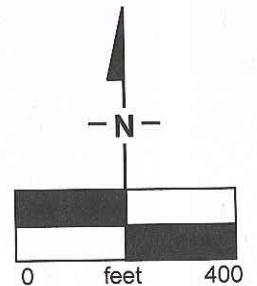
SOURCE: Google Earth 2012.

Legend:

- ① Vacant Field
- ② Park
- ③ New Townhomes – Former Trident Trucking Lines Leaking UST Site, closed 1992, 23724 Saklan Road
- ④ New Townhomes
- ⑤ Older Residential
- ⑥ Coolbox Storage Container Storage
- ⑦ Sukhi's Indian Food Distribution Warehouse
- ⑧ Prism Engineering Office and Yard
- ⑨ Multi-Tenant Commercial



Regional Direction of Shallow Groundwater Flow

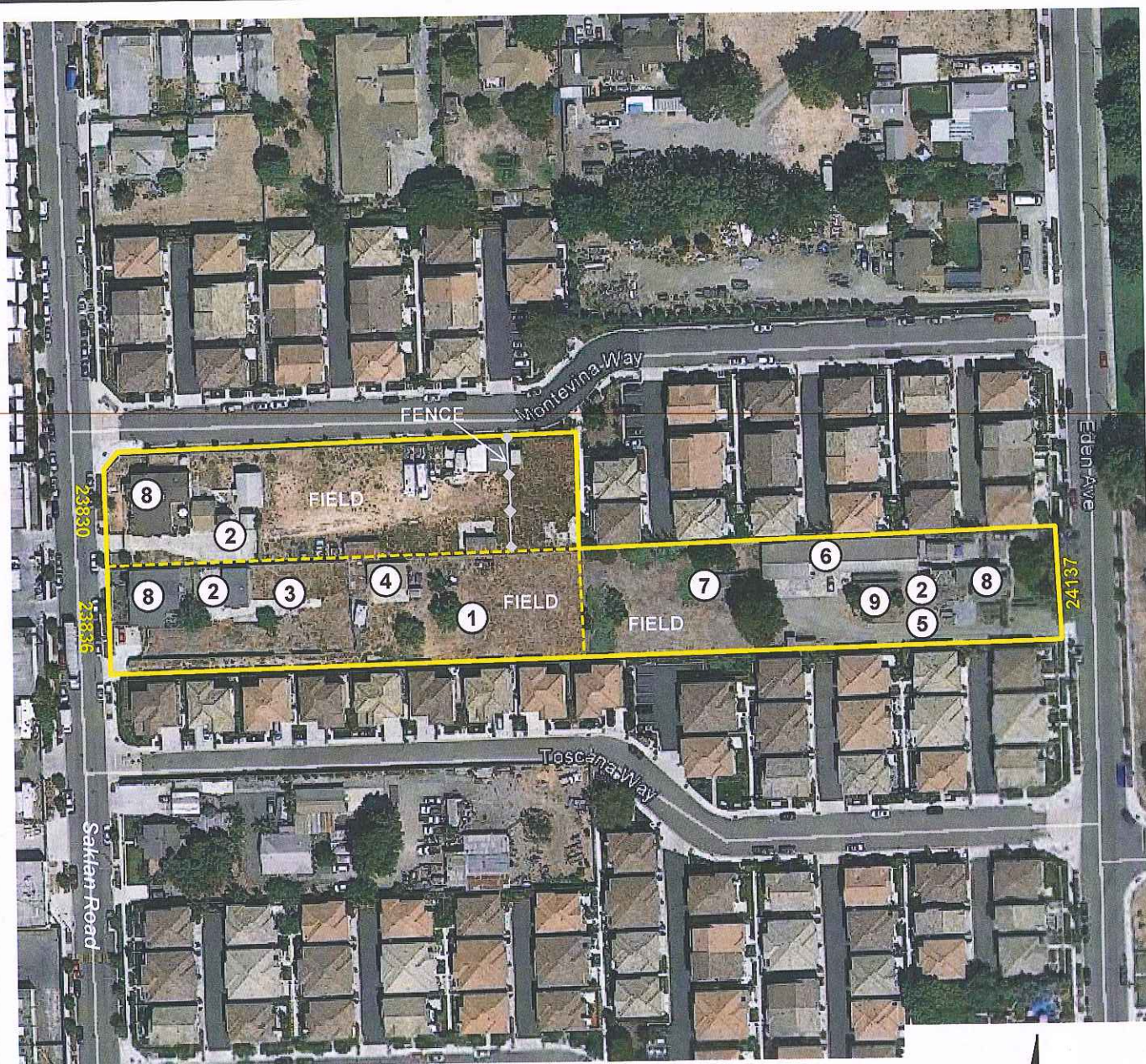


TITLE:		<b>Site Vicinity Map</b>	
LOCATION:		<b>23830 &amp; 23836 Saklan Road and 24137 Eden Avenue Hayward, California</b>	
	CHECKED:	TC	FIGURE:  <b>2</b>
	DRAFTED:	KEM	
	FILE:	117-7059010	
	DATE:	11/5/2013	

# ATTACHMENT 2

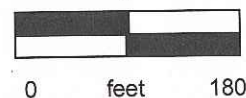
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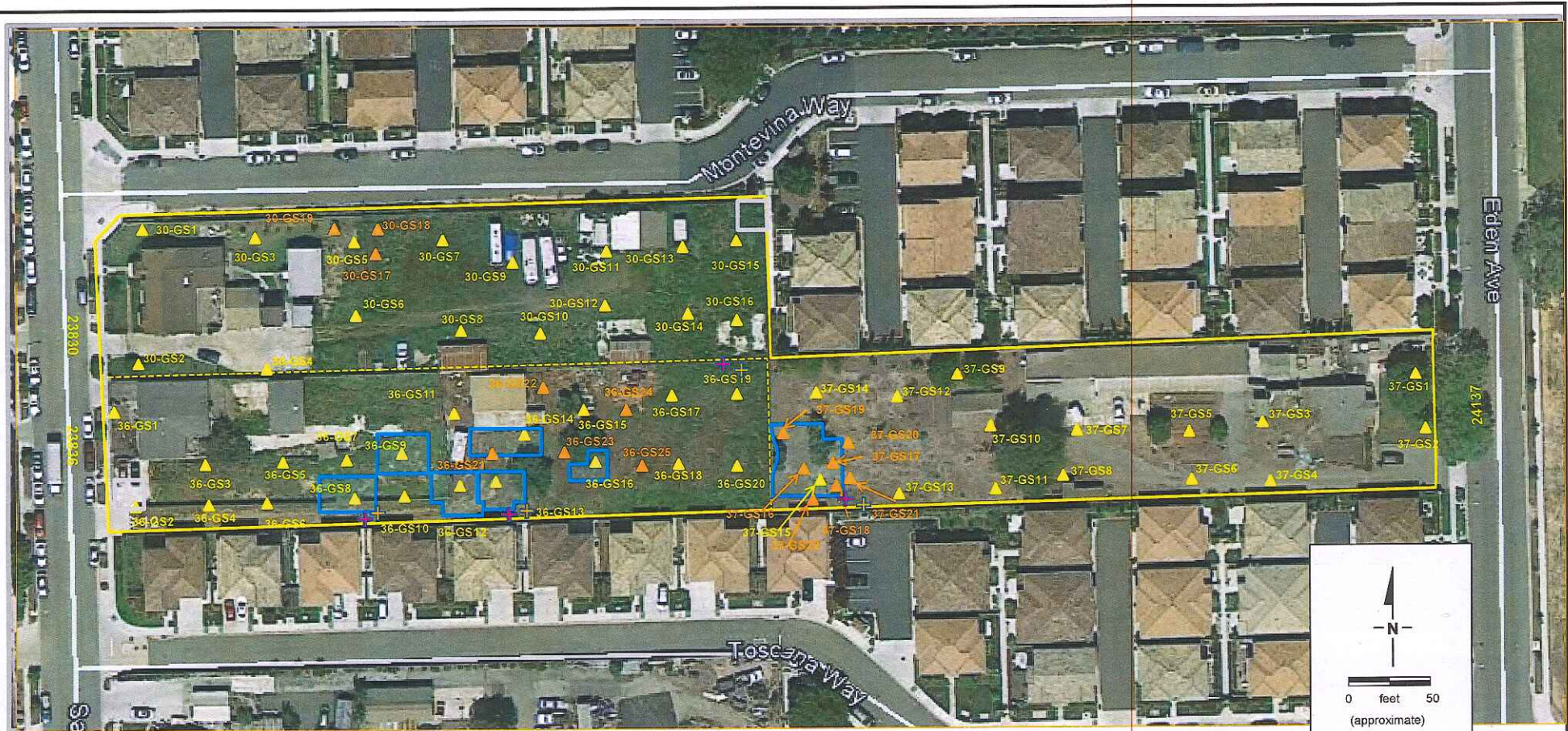


Legend:

- ① Agriculture Well
- ② Water Well
- ③ Septic Location (approx.)
- ④ Garage/Workshop
- ⑤ Sump Feature, Possible Septic Tank
- ⑥ Garage/Office Structure
- ⑦ Garden Shed/Landscape Equipment Storage
- ⑧ House
- ⑨ Garden



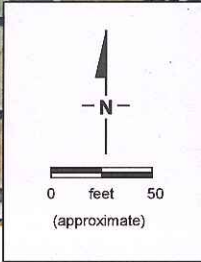
TITLE:		<b>Plot Plan</b>	
LOCATION:		<b>23830 &amp; 23836 Saklan Road and 24137 Eden Avenue Hayward, California</b>	
	CHECKED:	TC	<b>FIGURE: 2</b>
	DRAFTED:	KEM	
	FILE:	117-7059010	
	DATE:	11/5/2013	



**Legend:**

- ▲ Initial Surface soil sample location (February 2013)
- ▲ Follow-up soil sample location (March – October 2013)
- + Air Monitoring Station
- + Dust Monitoring Station
- Soil Excavation Area

<b>TITLE: Overview of Excavation, Sampling and Air Monitoring Locations</b>			
<b>LOCATION: 23830 &amp; 23836 Saklan Road and 24137 Eden Avenue, Hayward, California</b>			
	CHECKED:	TC	<b>FIGURE: 4</b>
	DRAFTED:	KEM	
	FILE:	117-7059010	
	DATE:	11/4/2013	



**Legend:**

- + Air Monitoring Station
- + Dust Monitoring Station
- Soil Excavation Areas (2013)
- Final Soil Excavation Area (June 2014)

<b>TITLE: Soil Excavation and Air Monitoring Locations</b>			
<b>LOCATION: 23830 &amp; 23836 Saklan Road and 24137 Eden Avenue, Hayward, California</b>			
<b>TETRA TECH</b>	CHECKED:	TC	<b>FIGURE: 5</b>
	DRAFTED:	KEM	
	FILE:	117-7059010	
DATE:	11/4/2013		

# ATTACHMENT 3

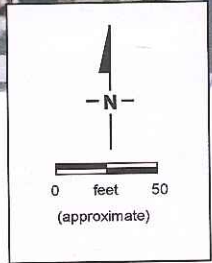
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Discrete Samples (0 - 2") October 19, 1990				
Sample	DDT	DDD	DDE	PCBs
(ppm, mg/Kg)				
4450	2.1	0.25	1.1	ND
4451	1.4	0.24	1.3	ND
4452	5.7	0.84	1.5	19
4453	3.1	0.46	1.5	ND

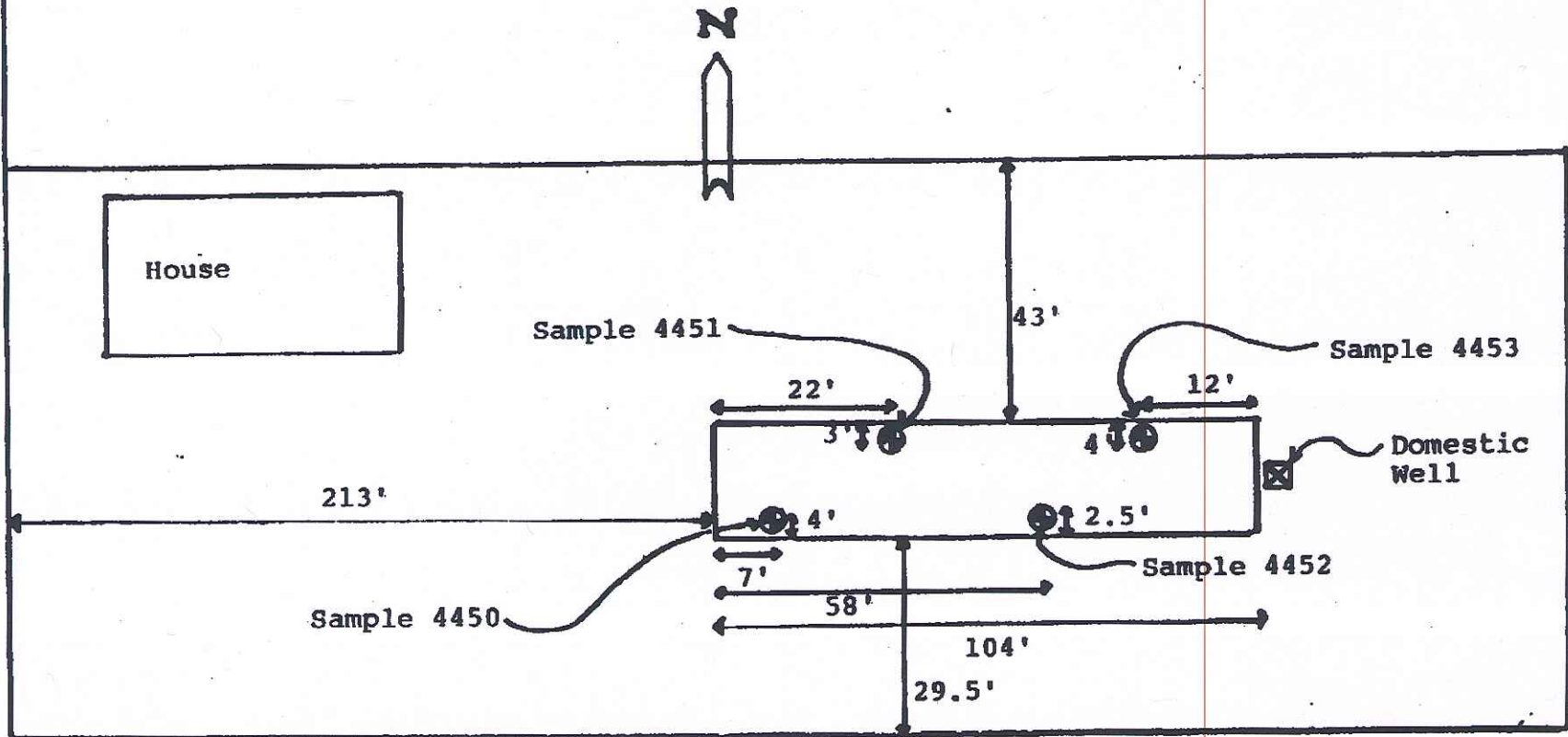
Four-Point Composite 0.5 feet (4" - 6") November 28, 1990			
	DDT	DDD	DDE
(ppm, mg/Kg)			
C1	0.55	0.057	0.23
C2	6.5	0.30	1.9
C3	1.4	0.63	0.12
C4	5.6	0.59	0.83
C5	0.11	ND	0.12
C6	0.64	0.74	0.22

G-18 Discrete Samples Subsurface May 9, 1991				
Sample	Depth (feet)	DDT	DDD	DDE
(ppm, mg/Kg)				
G-12	1 - 1.5	ND	ND	ND
G-18	1 - 1.5	ND	0.03	0.07
G-27	1 - 1.5	0.16	0.05	0.06
G-42	1 - 1.5	ND	ND	ND
G-45	1 - 1.5	ND	ND	ND
G-70	1 - 1.5	0.2	0.07	0.01
G-18A	2 - 2.5	ND	ND	ND
G-27A	2 - 2.5	ND	ND	ND
G-70A	2 - 2.5	0.03	0.003	0.01



TITLE: Former Soil Sample Locations 1990 - 1991		
LOCATION: 23830 & 23836 Saklan Road and 24137 Eden Avenue Hayward, California		
	CHECKED:	TC
	DRAFTED:	GK
	FILE:	117-7059010
	DATE:	4/5/2013
FIGURE:		5

SAKLAN AVENUE



23836 Saklan Avenue, Hayward, CA	
Date: 10-22-90	Drawn by: MDC
Scale: none	Revised: Page:
Legend	CHIPS Environmental Consultants
Sample Location	



LOG NO.: 9224  
 DATE SAMPLED: 10/22/90  
 DATE RECEIVED: 10/22/90  
 DATE EXTRACTED: 10/25/90  
 DATE ANALYZED: 10/27/90 and 10/28/90  
 DATE REPORTED: 10/29/90

CUSTOMER: Chips Environmental Consultants  
 REQUESTER: Mark Chips  
 PROJECT: R. Robles

Sample Type: Soil

Method and Constituent:	Units	4450		4451	
		Concen- tration	Detection Limit	Concen- tration	Detection Limit
EPA Method 8080:					
Aldrin	ug/kg	< 5	5	< 5	5
Alpha-BHC	ug/kg	31	5	17	5
Beta-BHC	ug/kg	< 5	5	< 5	5
Delta-BHC	ug/kg	590	5	49	5
Gamma-BHC (Lindane)	ug/kg	120	5	17	5
Chlordane	ug/kg	< 5	5	< 5	5
4,4'-DDD	ug/kg	250	5	240	5
4,4'-DDE	ug/kg	1,100	5	1,300	5
4,4'-DDT	ug/kg	2,100	5	1,400	5
Dieldrin	ug/kg	< 5	5	< 5	5
Endosulfan I	ug/kg	< 5	5	< 5	5
Endosulfan II	ug/kg	< 5	5	< 5	5
Endosulfan Sulfate	ug/kg	< 5	5	< 5	5
Endrin	ug/kg	< 5	5	< 5	5
Endrin Aldehyde	ug/kg	< 5	5	< 5	5
Heptachlor	ug/kg	< 5	5	< 5	5
Heptachlor Epoxide	ug/kg	< 5	5	< 5	5
Methoxychlor	ug/kg	< 5	5	< 5	5
Toxaphene	ug/kg	< 5	5	< 5	5



LOG NO.: 9224  
DATE SAMPLED: 10/22/90  
DATE RECEIVED: 10/22/90  
DATE EXTRACTED: 10/25/90  
DATE ANALYZED: 10/27/90 and 10/28/90  
DATE REPORTED: 10/29/90  
PAGE: Two

Sample Type: Soil

Method and Constituent:	Units	4450		4451	
		Concen- tration	Detection Limit	Concen- tration	Detection Limit
EPA Method 8080 (Continued):					
Aroclor 1016	ug/kg	< 5	5	< 5	5
Aroclor 1221	ug/kg	< 5	5	< 5	5
Aroclor 1232	ug/kg	< 5	5	< 5	5
Aroclor 1242	ug/kg	< 5	5	< 5	5
Aroclor 1248	ug/kg	< 5	5	< 5	5
Aroclor 1254	ug/kg	< 5	5	< 5	5
Aroclor 1260	ug/kg	< 5	5	< 5	5





LOG NO.: 9224  
 DATE SAMPLED: 10/22/90  
 DATE RECEIVED: 10/22/90  
 DATE EXTRACTED: 10/25/90  
 DATE ANALYZED: 10/28/90 and 10/29/90  
 DATE REPORTED: 10/29/90  
 PAGE: Three

Sample Type: Soil

Method and Constituent:	Units	4452		4453	
		Concen- tration	Detection Limit	Concen- tration	Detection Limit
EPA Method 8080:					
Aldrin	ug/kg	< 50	50	< 5	5
Alpha-BHC	ug/kg	< 50	50	25	5
Beta-BHC	ug/kg	< 50	50	< 5	5
Delta-BHC	ug/kg	< 50	50	610	5
Gamma-BHC (Lindane)	ug/kg	< 50	50	24	5
Chlordane	ug/kg	< 50	50	< 5	5
4,4'-DDD	ug/kg	840	50	460	5
4,4'-DDE	ug/kg	1,500	30	1,500	5
4,4'-DDT	ug/kg	5,700	50	3,100	5
Dieldrin	ug/kg	< 50	50	< 5	5
Endosulfan I	ug/kg	< 50	50	< 5	5
Endosulfan II	ug/kg	< 50	50	< 5	5
Endosulfan Sulfate	ug/kg	< 50	50	< 5	5
Endrin	ug/kg	< 50	50	< 5	5
Endrin Aldehyde	ug/kg	< 50	50	< 5	5
Heptachlor	ug/kg	< 50	50	< 5	5
Heptachlor Epoxide	ug/kg	< 50	50	< 5	5
Methoxychlor	ug/kg	< 50	50	< 5	5
Toxaphene	ug/kg	< 50	50	< 5	5



LOG NO.: 9224  
 DATE SAMPLED: 10/22/90  
 DATE RECEIVED: 10/22/90  
 DATE EXTRACTED: 10/25/90  
 DATE ANALYZED: 10/28/90 and 10/29/90  
 DATE REPORTED: 10/29/90  
 PAGE: Four

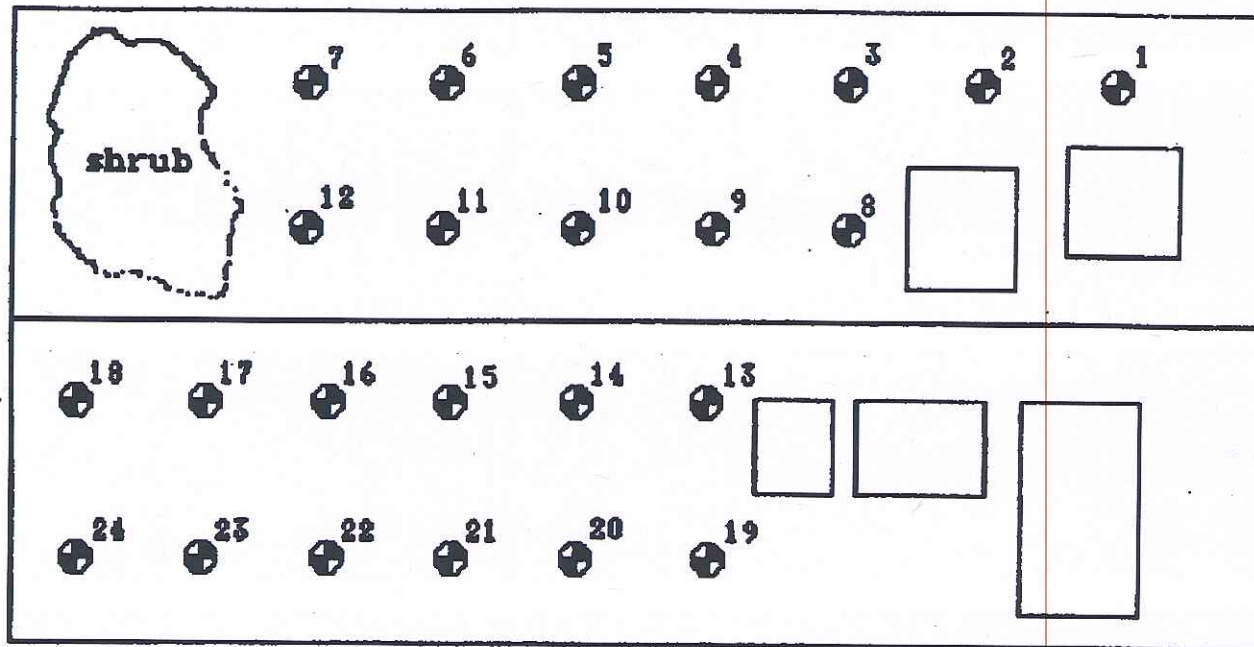
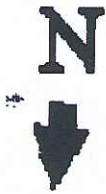
Sample Type: Soil

<u>Method and Constituent:</u>	<u>Units</u>	<u>4452</u>		<u>4453</u>	
		<u>Concen- tration</u>	<u>Detection Limit</u>	<u>Concen- tration</u>	<u>Detection Limit</u>
EPA Method 8080 (Continued):					
Aroclor 1016	ug/kg	< 60	60	< 5	5
Aroclor 1221	ug/kg	< 60	60	< 5	5
Aroclor 1232	ug/kg	< 60	60	< 5	5
Aroclor 1242	ug/kg	19,000	60	< 5	5
Aroclor 1248	ug/kg	< 60	60	< 5	5
Aroclor 1254	ug/kg	< 60	60	< 5	5
Aroclor 1260	ug/kg	< 60	60	< 5	5

QC Summary:

% Recovery: 112%  
 % RSD: 3.1%

Louis W. DuPuis  
 Quality Assurance/Quality Control Manager



<b>Robles Property</b> 23836 Saklan Avenue, Hayward, CA.	
<b>Date:</b> 3-19-91	<b>Drawn By:</b> B.D.M.
<b>Scale:</b>	<b>Revised:</b> Pp.:
<b>Legend</b>	
Sample location	<b>CHIPS</b> Environmental Consultants

CHIPS ENVIRONMENTAL CONSULTANTS INC.  
 718 E. Evelyn Ave.  
 Sunnyvale, CA. 94086 (408) 736-1380

CHAIN OF CUSTODY

PROJECT# 1056	PROJECT NAME K. Nobler	PROJECT SITE ADDRESS SAKLIN AVE. HAYWARD	BRASS 70% ANALYSIS REQ. EPA 8080	9317
SAMPLER B. McWARS				

DATE	TIME	GRAB	COMP.	SAMPLE ID NUMBER			REMARKS
4/10	9p	X	X	004238	✓	✓	#1
		X	X	004239	✓	✓	#2
		X	X	004240	✓	✓	#3 BRASS <sup>100</sup> ice
		X	X	004241	✓	✓	#4 Y-2
		X	X	004242	✓	✓	#5 GNV
		X	X	004243	✓	✓	#6
		X	X	004244	✓	✓	#7

Relinquished by: L. K. M.	Received by Date C. M. K. 4/10/80	Relinquished by:	Received by: Date Time
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HIPS ENVIRONMENTAL CONSULTANTS INC.  
 18 E. Evelyn Ave.  
 Sunnyvale, CA. 94086 (408) 736-1380

CHAIN OF CUSTODY

PROJECT#		PROJECT NAME		PROJECT SITE ADDRESS		ANALYSTS PER EPA 8080								REMARKS	
SAMPLER															
DATE	TIME	GRAB	COMP												
11-16-90		X	X	004245		✓	✓								#8
		X	X	004246		✓	✓								#9
		X	X	004247		✓	✓								#10
		X	X	004248		✓	✓								#11
		X	X	004249		✓	✓								#12
		X	X	004292		✓	✓								#13
		X	X	004293		✓	✓								#14

Relinquished by:  
*[Signature]* 6:15 P.M.  
 REBE HIGHER 11-16-90

Received by Date  
*[Signature]* Time

Relinquished by:

Received by: Date  
 Time

CHIPS ENVIRONMENTAL CONSULTANTS INC.  
 718 E. Evelyn Ave.  
 Sunnyvale, CA. 94086

(408) 736-1380 CHAIN OF CUSTODY

PROJECT # 1056	PROJECT NAME R. Robles	PROJECT SITE ADDRESS SPYGLAN AVE. HAYWARD	BMS PMS ANALYSIS FOR EPA 8080
SAMPLER B. McSWINS			

DATE	TIME	GRAB	COMP				REMARKS
11-16-90		X	X	004294	✓	✓	#15
		X	X	004295	✓	✓	#16
		X	X	004296	✓	✓	#17
		X	X	004297	✓	✓	#18
		X	X	004334	✓	✓	#19
		X	X	004335	✓	✓	#20
		X	X	004336	✓	✓	#21

Relinquished by: <i>[Signature]</i>	Received by Date <i>[Signature]</i>	Relinquished by: <i>[Signature]</i>	Received by: Date Time
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CHIPS ENVIRONMENTAL CONSULTANTS INC.  
 718 E. Evelyn Ave.  
 Sunnyvale, CA. 94086 (408) 736-1380

CHAIN OF CUSTODY

PROJECT		PROJECT NAME		PROJECT SITE ADDRESS		MASS PAS ANALYSIS REQ. EPA 8080					REMARKS
SAMPLER											
DATE	TIME	GRAB	COMP.	NUMBER							
11-16-90		X	X	no 4337		✓	✓				#22
		X	X	no 4338		✓	✓				#23
		X	X	no 4339		✓	✓				#24
				Mark Chips called 10:45 AM 11/29/90 asked to keep samples on HOLD until further notice EMW							
Relinquished by:		Received by Date		Relinquished by:		Received by: Date		Time		Page	
11/16/90		11/29/90		EMW						1	



LOG NO.: 9317  
 DATE SAMPLED: 11/16/90  
 DATE RECEIVED: 11/16/90  
 DATE EXTRACTED: 11/21/90  
 DATE ANALYZED: 11/27/90  
 DATE REPORTED: 11/28/90

CUSTOMER: Chips Environmental Consultants, Inc.  
 REQUESTER: Mark Chips  
 PROJECT: No. 1056, R. Robles

Method and Constituent:	Sample Type: Soil						
	Composite #1 of 4238, 4239, 4240, and 4245		Composite #2 of 4241, 4242, 4246, and 4247		Composite #3 of 4243, 4244, 4248 and 4249		
	Units	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reportir Limit
EPA Method 8080							
Aldrin	ug/kg	ND	5	34	7	15	5
Alpha-BHC	ug/kg	ND	9	ND	20	ND	9
Beta-BHC	ug/kg	ND	9	ND	20	ND	9
Delta-BHC	ug/kg	14	5	210	9	54	5
Gamma-BHC (Lindane)	ug/kg	13	5	79	8	33	5
Chlordane	ug/kg	ND	9	ND	20	ND	9
4,4'-DDD	ug/kg	57	9	300	20	120	9
4,4'-DDE	ug/kg	230	5	1,900	10	630	5
4,4'-DDT	ug/kg	550	8	6,500	20	1,400	8
Dieldrin	ug/kg	ND	9	ND	20	ND	9
Endosulfan I	ug/kg	ND	9	ND	20	ND	9
Endosulfan II	ug/kg	ND	9	ND	20	ND	9
Endosulfan Sulfate	ug/kg	ND	9	ND	20	ND	9
Endrin	ug/kg	ND	9	ND	20	ND	9
Endrin Aldehyde	ug/kg	ND	9	ND	20	ND	9
Heptachlor	ug/kg	ND	9	ND	20	ND	9
Heptachlor Epoxide	ug/kg	ND	9	ND	20	ND	9
Methoxychlor	ug/kg	ND	9	ND	20	ND	9
Toxaphene	ug/kg	ND	9	ND	20	ND	9

Concentrations reported as ND were not detected at or above the reporting limit.



LOG NO.: 9317  
 DATE SAMPLED: 11/16/90  
 DATE RECEIVED: 11/16/90  
 DATE EXTRACTED: 11/21/90  
 DATE ANALYZED: 11/27/90  
 DATE REPORTED: 11/28/90  
 PAGE: Two

Sample Type: Soil

Method and Constituent:	Units	Composite #1 of 4238, 4239, 4240, and 4245		Composite #2 of 4241, 4242, 4246, and 4247		Composite #3 of 4243, 4244, 4248, and 4249		
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	
EPA Method 8080 (Continued):								
Aroclor 1016	ug/kg	ND	6	ND	10	ND	6	
Aroclor 1221	ug/kg	ND	6	ND	10	ND	6	
Aroclor 1232	ug/kg	ND	6	ND	10	ND	6	
Aroclor 1242	ug/kg	ND	6	ND	10	ND	6	
Aroclor 1248	ug/kg	ND	6	ND	10	ND	6	
Aroclor 1254	ug/kg	ND	6	ND	10	ND	6	
Aroclor 1260	ug/kg	ND	6	ND	10	ND	6	

Concentrations reported as ND were not detected at or above the reporting limit.

LOG NO.: 9317  
 DATE SAMPLED: 11/16/90  
 DATE RECEIVED: 11/16/90  
 DATE EXTRACTED: 11/21/90  
 DATE ANALYZED: 11/27/90  
 DATE REPORTED: 11/28/90  
 PAGE: Three

## Sample Type: Soil

Method and Constituent:	Units	Composite #4 of 4292, 4293, 4334, and 4335		Composite #5 of 4294, 4295, 4336, and 4337		Composite #6 of 4296, 4297, 4338, and 4339		
		Concen- tration	Report- ing Limit	Concen- tration	Report- ing Limit	Concen- tration	Report- ing Limit	
EPA Method 8080								
Aldrin	ug/kg	ND	20	ND	20	ND	20	
Alpha-BHC	ug/kg	ND	50	ND	50	ND	50	
Beta-BHC	ug/kg	ND	50	ND	50	ND	50	
Delta-BHC	ug/kg	ND	20	ND	20	ND	20	
Gamma-BHC (Lindane)	ug/kg	ND	20	ND	20	ND	20	
Chlordane	ug/kg	ND	50	ND	50	ND	50	
4,4'-DDD	ug/kg	590	50	ND	50	220	50	
4,4'-DDE	ug/kg	830	20	120	20	740	20	
4,4'-DDT	ug/kg	5,600	40	110	40	640	40	
Dieldrin	ug/kg	ND	50	ND	50	ND	50	
Endosulfan I	ug/kg	ND	50	ND	50	ND	50	
Endosulfan II	ug/kg	ND	50	ND	50	ND	50	
Endosulfan Sulfate	ug/kg	ND	50	ND	50	ND	50	
Endrin	ug/kg	ND	50	ND	50	ND	50	
Endrin Aldehyde	ug/kg	ND	50	ND	50	ND	50	
Heptachlor	ug/kg	ND	50	ND	50	ND	50	
Heptachlor Epoxide	ug/kg	ND	50	ND	50	ND	50	
Methoxychlor	ug/kg	ND	50	ND	50	ND	50	
Toxaphene	ug/kg	ND	50	ND	50	ND	50	

Concentrations reported as ND were not detected at or above the reporting limit.

LOG NO.: 9317  
 DATE SAMPLED: 11/16/90  
 DATE RECEIVED: 11/16/90  
 DATE EXTRACTED: 11/21/90  
 DATE ANALYZED: 11/27/90  
 DATE REPORTED: 11/28/90  
 PAGE: Four

Sample Type: Soil

Composite #4 of  
 4292, 4293, 4334,  
 and 4335

Composite #5 of  
 4294, 4295, 4336,  
 and 4337

Composite #6 of  
 4296, 4297, 4338,  
 and 4339

Method and  
 Constituent:

EPA Method 8080 (Continued):

	Units	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
Aroclor 1016	ug/kg	ND	30	ND	30	ND	30
Aroclor 1221	ug/kg	ND	30	ND	30	ND	30
Aroclor 1232	ug/kg	ND	30	ND	30	ND	30
Aroclor 1242	ug/kg	ND	30	ND	30	ND	30
Aroclor 1248	ug/kg	ND	30	ND	30	ND	30
Aroclor 1254	ug/kg	ND	30	ND	30	ND	30
Aroclor 1260	ug/kg	ND	30	ND	30	ND	30

Concentrations reported as ND were not detected at or above the reporting limit.

QC Summary:

% Recovery: 103%  
 % RSD: 10.9%

*Louis W. DuPuis*  
 Louis W. DuPuis  
 Quality Assurance/Quality Control Manager

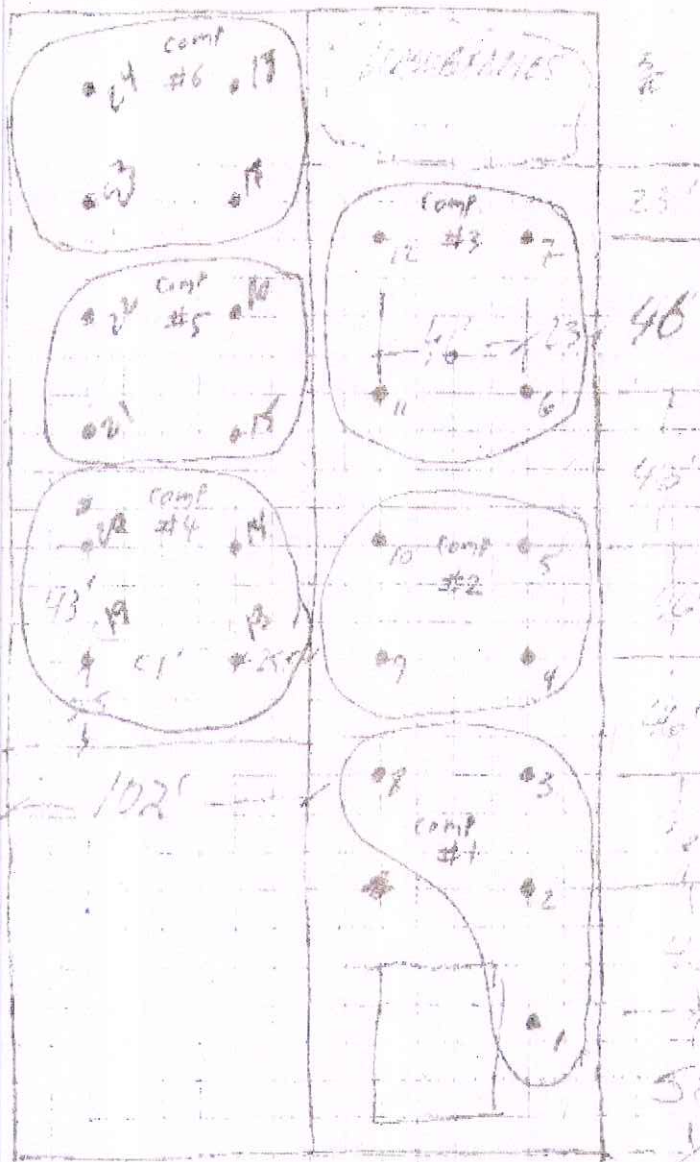
Notes - SAKKAN



4-6" BB. Found in 3' diam pipe  
in hole in wall.

← 90' →

↑ N



# 19 mol  
8' N  
# 15 mol  
3' S

43' + 21.5

01/20/90 16:19

408 736 0887

CHIPS ENVIRONMENTAL

PAGE 02

Saklan properties Composite Analyses  
Verbal Results EPA #8080

D19 1056.Doc

11-28-90

<u>Composite #1</u>	ug/KG (PPB)	DET. LIM.
Delta-BHC	14	5
Gamma-BHC (Lindane)	13	5
4,4'-DDD	57	9
4,4'-DDE	230	5
4,4'-DDT	550	8

Other Compounds Not Detected

<u>Composite #2</u>	ug/KG (PPB)	DET. LIM.
Aldrin	34	7
Delta-BHC	210	9
Gamma-BHC (Lindane)	79	8
4,4'-DDD	300	20
4,4'-DDE	1900	10
4,4'-DDT	6500	20

Other Compounds Not Detected

<u>Composite #3</u>	ug/KG (PPB)	DET. LIM.
Aldrin	15	5
Delta-BHC	54	5
Gamma-BHC (Lindane)	33	5
4,4'-DDD	120	9
4,4'-DDE	630	5
4,4'-DDT	1400	8

## Other Compounds Not Detected

<u>Composite #4</u>	<u>ug/KG (PPB)</u>	<u>DET. LIM.</u>
4,4'-DDD	590	50
4,4'-DDE	830	20
4,4'-DDT	5600	40

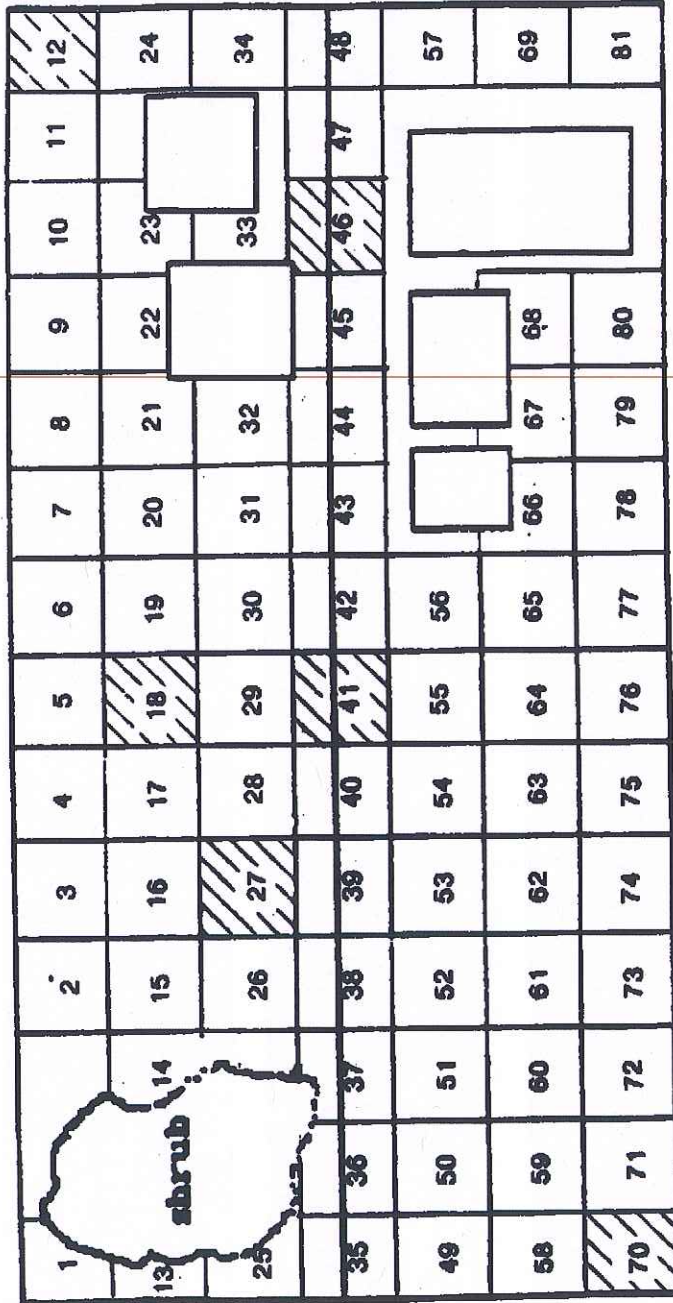
## Other Compounds Not Detected

<u>Composite #5</u>	<u>ug/KG (PPB)</u>	<u>DET. LIM.</u>
4,4'-DDE	120	20
4,4'-DDT	110	40

## Other Compounds Not Detected

<u>Composite #6</u>	<u>ug/KG (PPB)</u>	<u>DET. LIM.</u>
4,4'-DDD	220	50
4,4'-DDE	740	20
4,4'-DDT	640	40

## Other Compounds Not Detected



SCALE



BASE MAP: CHPS ENVIRONMENTAL CONSULTANTS 3/19/91

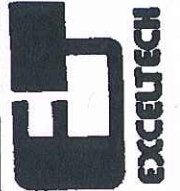
REVIEWED BY: APPROVED BY:

JOB # 3-50058-51  
DATE 11/10/94

DRAWN BY: J.D.S.  
DRAWING #:

### SAMPLING PLAN

ROBLES PROPERTY  
23836 SAKLAN AVENUE  
HAYWARD, CALIFORNIA



**TABLE 1**  
**SUMMARY OF ANALYTICAL RESULTS**  
Sample concentrations in parts per billion

Compound	d1	d2	d3	d4	c1	c2	c3	c4	c5	c6	G-12	G-18	G-27	G-42	G-45	G-70	G-18A	G-27A	G-70A	
Aldrin	ND	ND	ND	ND	ND	34	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
a-BHC	31	17	ND	25	ND	ND	ND	ND	ND	ND	ND	5.2	16	ND	ND	ND	ND	ND	ND	ND
d-BHC	590	49	ND	610	14	210	54	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	ND
g-BHC	120	17	ND	24	13	79	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DDT	2100	1400	5700	3100	550	6500	1400	5600	110	640	ND	ND	160	ND	ND	220	ND	ND	ND	14
DDD	250	240	840	460	57	300	120	590	ND	220	ND	33	52	ND	ND	72	ND	ND	ND	3.3
DDE	1100	1300	1500	1500	230	1900	630	830	120	740	ND	70	59	ND	ND	130	ND	ND	ND	12
PCBs	ND	ND	1900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

1. d = discrete sample, c = composite sample

2. ND = analytical results below detection limit

3. d1-c6 were surface samples, G-12 - G-70 were at 12 to 18 inches deep, G-18A - G-70A were at 24 to 30 inches deep.





# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willett

Client Project ID: 350058-51/Robles Property/PO#23187  
Sample Descript: Soil, G-12  
Analysis Method: EPA 8080  
Lab Number: 105-1307

Sampled: May 9, 1991  
Received: May 9, 1991  
Extracted: May 10, 1991  
Analyzed: May 13, 1991  
Reported: May 14, 1991

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Aldrin.....	1.0	N.D.
alpha-BHC.....	1.0	N.D.
beta-BHC.....	1.0	N.D.
delta-BHC.....	1.0	N.D.
gamma-BHC (Lindane).....	1.0	N.D.
4,4'-DDD.....	6.0	N.D.
4,4'-DDE.....	2.0	N.D.
4,4'-DDT.....	6.0	N.D.
PCB-1016.....	20	N.D.
PCB-1221.....	80	N.D.
PCB-1232.....	20	N.D.
PCB-1242.....	20	N.D.
PCB-1248.....	20	N.D.
PCB-1254.....	20	N.D.
PCB-1260.....	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague  
Project Manager



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willett

Client Project ID: 350058-51/Robles Property/PO#23187  
Sample Descript: Soil, G-18  
Analysis Method: EPA 8080  
Lab Number: 105-1309

Sampled: May 9, 1991  
Received: May 9, 1991  
Extracted: May 10, 1991  
Analyzed: May 13, 1991  
Reported: May 14, 1991

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	5.2
beta-BHC.....	5.0	68
delta-BHC.....	5.0	N.D.
gamma-BHC (Lindane).....	5.0	N.D.
4,4'-DDD.....	30	33
4,4'-DDE.....	10	70
4,4'-DDT.....	30	N.D.
PCB-1016.....	100	N.D.
PCB-1221.....	400	N.D.
PCB-1232.....	100	N.D.
PCB-1242.....	100	N.D.
PCB-1248.....	100	N.D.
PCB-1254.....	100	N.D.
PCB-1260.....	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

*V. Tague*  
Vickie Tague  
Project Manager



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willett

Client Project ID: 350058-51/Robles Property/PO#23187  
Sample Descript: Soil, G-27  
Analysis Method: EPA 8080  
Lab Number: 105-1311

Sampled: May 9, 1991  
Received: May 9, 1991  
Extracted: May 10, 1991  
Analyzed: May 13, 1991  
Reported: May 14, 1991

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	16
beta-BHC.....	5.0	240
delta-BHC.....	5.0	18
gamma-BHC (Lindane).....	5.0	N.D.
4,4-DDD.....	30	52
4,4-DDE.....	10	69
4,4-DDT.....	30	160
PCB-1016.....	100	N.D.
PCB-1221.....	400	N.D.
PCB-1232.....	100	N.D.
PCB-1242.....	100	N.D.
PCB-1248.....	100	N.D.
PCB-1254.....	100	N.D.
PCB-1260.....	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

*V. Tague*  
Vickie Tague  
Project Manager



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willett

Client Project ID: 350058-51/Robles Property/PO#23187  
Sample Descript: Soil, G-70  
Analysis Method: EPA 8080  
Lab Number: 105-1313

Sampled: May 9, 1991  
Received: May 9, 1991  
Extracted: May 10, 1991  
Analyzed: May 13, 1991  
Reported: May 14, 1991

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	N.D.
beta-BHC.....	5.0	7.4
delta-BHC.....	5.0	N.D.
gamma-BHC (Lindane).....	5.0	N.D.
4,4'-DDD.....	30	72
4,4'-DDE.....	10	130
4,4'-DDT.....	30	220
PCB-1016.....	100	N.D.
PCB-1221.....	400	N.D.
PCB-1232.....	100	N.D.
PCB-1242.....	100	N.D.
PCB-1248.....	100	N.D.
PCB-1254.....	100	N.D.
PCB-1260.....	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Vickie Tague  
Project Manager



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willett

Client Project ID: 350058-51/Robles Property/PO#23187  
Sample Descript: Soil, G-42  
Analysis Method: EPA 8080  
Lab Number: 105-1315

Sampled: May 9, 1991  
Received: May 9, 1991  
Extracted: May 10, 1991  
Analyzed: May 13, 1991  
Reported: May 14, 1991

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	N.D.
beta-BHC.....	5.0	N.D.
delta-BHC.....	5.0	N.D.
gamma-BHC (Lindane).....	5.0	N.D.
4,4'-DDD.....	30	N.D.
4,4'-DDE.....	10	N.D.
4,4'-DDT.....	30	N.D.
PCB-1016.....	100	N.D.
PCB-1221.....	400	N.D.
PCB-1232.....	100	N.D.
PCB-1242.....	100	N.D.
PCB-1248.....	100	N.D.
PCB-1254.....	100	N.D.
PCB-1260.....	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Vickie Tague  
Project Manager



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willett

Client Project ID: 350058-51/Robles Property/PO#23187  
Sample Descript: Soil, G-45  
Analysis Method: EPA 8080  
Lab Number: 105-1317

Sampled: May 9, 1991  
Received: May 9, 1991  
Extracted: May 10, 1991  
Analyzed: May 13, 1991  
Reported: May 14, 1991

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Aldrin.....	1.0	N.D.
alpha-BHC.....	1.0	N.D.
beta-BHC.....	1.0	N.D.
delta-BHC.....	1.0	N.D.
gamma-BHC (Lindane).....	1.0	N.D.
4,4'-DDD.....	6.0	N.D.
4,4'-DDE.....	2.0	N.D.
4,4'-DDT.....	6.0	N.D.
PCB-1016.....	20	N.D.
PCB-1221.....	80	N.D.
PCB-1232.....	20	N.D.
PCB-1242.....	20	N.D.
PCB-1248.....	20	N.D.
PCB-1254.....	20	N.D.
PCB-1260.....	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague  
Project Manager



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willett

Client Project ID: 350058-57/Robles Property/PO#23187  
Sample Descript: Soil, G18A  
Analysis Method: EPA 8080  
Lab Number: 105-1310

Sampled: May 9, 1991  
Relogged: May 14, 1991  
Extracted: May 14, 1991  
Analyzed: May 14, 1991  
Reported: May 16, 1991

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Aldrin.....	1.0	N.D.
alpha-BHC.....	1.0	N.D.
beta-BHC.....	1.0	N.D.
delta-BHC.....	1.0	N.D.
gamma-BHC (Lindane).....	1.0	N.D.
4,4'-DDD.....	6.0	N.D.
4,4'-DDE.....	2.0	N.D.
4,4'-DDT.....	6.0	N.D.
PCB-1016.....	20	N.D.
PCB-1221.....	80	N.D.
PCB-1232.....	20	N.D.
PCB-1242.....	20	N.D.
PCB-1248.....	20	N.D.
PCB-1254.....	20	N.D.
PCB-1260.....	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague  
Project Manager

1051307.ENS <1>



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willett

Client Project ID: 350058-57/Robles Property/PO#23187  
Sample Descript: Soil, G27A  
Analysis Method: EPA 8080  
Lab Number: 105-1312

Sampled: May 9, 1991  
Relogged: May 14, 1991  
Extracted: May 14, 1991  
Analyzed: May 14, 1991  
Reported: May 16, 1991

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Aldrin.....	1.0	N.D.
alpha-BHC.....	1.0	N.D.
beta-BHC.....	1.0	N.D.
delta-BHC.....	1.0	N.D.
gamma-BHC (Lindane).....	1.0	N.D.
4,4'-DDD.....	6.0	N.D.
4,4'-DDE.....	2.0	N.D.
4,4'-DDT.....	6.0	N.D.
PCB-1016.....	20	N.D.
PCB-1221.....	80	N.D.
PCB-1232.....	20	N.D.
PCB-1242.....	20	N.D.
PCB-1248.....	20	N.D.
PCB-1254.....	20	N.D.
PCB-1260.....	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

*VMTague*  
Vickie Tague  
Project Manager





# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech 41674 Christy Street Fremont, CA 94538 Attention: Jeff Willett	Client Project ID: 350058-57/Robles Property/PO#23187	Sampled: May 9, 1991
	Sample Descript: Soil, G70A	Relogged: May 14, 1991
	Analysis Method: EPA 8080	Extracted: May 14, 1991
	Lab Number: 105-1314	Analyzed: May 14, 1991
		Reported: May 16, 1991

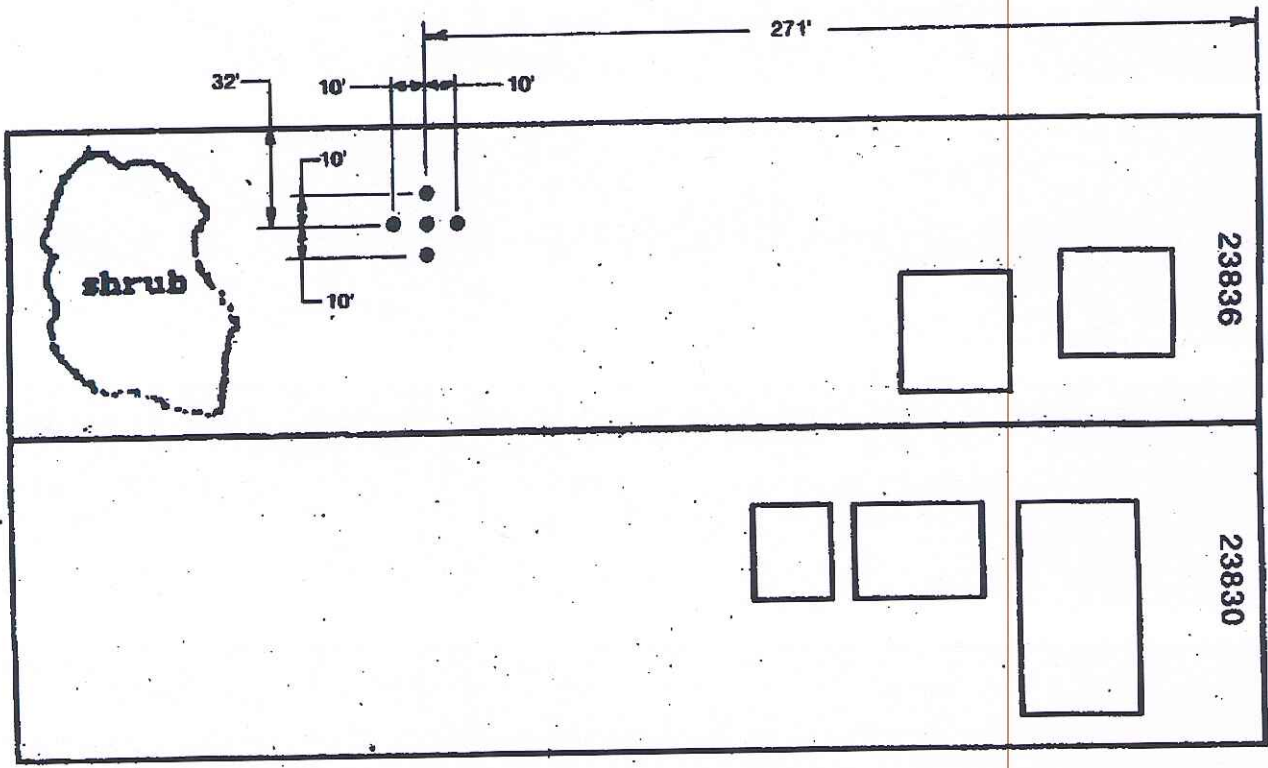
## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Aldrin.....	1.0	N.D.
alpha-BHC.....	1.0	N.D.
beta-BHC.....	1.0	N.D.
delta-BHC.....	1.0	N.D.
gamma-BHC (Lindane).....	1.0	N.D.
4,4-DDD.....	6.0	3.3
4,4-DDE.....	2.0	12
4,4-DDT.....	6.0	14
PCB-1016.....	20	N.D.
PCB-1221.....	80	N.D.
PCB-1232.....	20	N.D.
PCB-1242.....	20	N.D.
PCB-1248.....	20	N.D.
PCB-1254.....	20	N.D.
PCB-1260.....	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

*V. Tague*  
Vickie Tague  
Project Manager



BASE MAP: CHIPS ENVIRONMENTAL CONSULTANTS 3/19/91



**PCB SAMPLING PLAN**  
ROBLES PROPERTY  
23836 SAKLAN AVENUE  
HAYWARD, CALIFORNIA

REVIEWED BY:	APPROVED BY:
JOB #: 3-50058-51	DRAWN BY: J.D.S.
DATE: 7/26/91	DRAWING #:



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willitt

Client Project ID: #350058-51, Robles Property, PO#23987  
Sample Descript: Soil, C  
Analysis Method: EPA 8080  
Lab Number: 108-0481

Sampled: Aug 2, 1991  
Received: Aug 5, 1991  
Extracted: Aug 12, 1991  
Analyzed: Aug 12, 1991  
Reported: Aug 19, 1991

## POLYCHLORINATED BIPHENYLS (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
PCB 1016.....	400	N.D.
PCB 1221.....	1,600	N.D.
PCB 1232.....	400	N.D.
PCB 1242.....	400	N.D.
PCB 1248.....	400	N.D.
PCB 1254.....	400	N.D.
PCB 1260.....	400	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

  
Vickie Tague  
Project Manager



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech 41674 Christy Street Fremont, CA 94538 Attention: Jeff Willitt	Client Project ID: #350058-51, Robles Property, PO#23987 Sample Descript: Soil, N Analysis Method: EPA 8080 Lab Number: 108-0477	Sampled: Aug 2, 1991 Received: Aug 5, 1991 Extracted: Aug 12, 1991 Analyzed: Aug 12, 1991 Reported: Aug 19, 1991
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## POLYCHLORINATED BIPHENYLS (EPA 8080)

Analyte	Detection Limit $\mu\text{g}/\text{kg}$	Sample Results $\mu\text{g}/\text{kg}$
PCB 1016.....	400	N.D.
PCB 1221.....	1,600	N.D.
PCB 1232.....	400	N.D.
PCB 1242.....	400	N.D.
PCB 1248.....	400	N.D.
PCB 1254.....	400	N.D.
PCB 1260.....	400	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

*V. Tague*  
Vickie Tague  
Project Manager



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willitt

Client Project ID: #350058-51, Robles Property, PO#23987  
Sample Descript: Soil, S  
Analysis Method: EPA 8080  
Lab Number: 108-0478

Sampled: Aug 2, 1991  
Received: Aug 5, 1991  
Extracted: Aug 12, 1991  
Analyzed: Aug 12, 1991  
Reported: Aug 19, 1991

## POLYCHLORINATED BIPHENYLS (EPA 8080)

Analyte	Detection Limit $\mu\text{g}/\text{kg}$	Sample Results $\mu\text{g}/\text{kg}$
PCB 1016.....	400	N.D.
PCB 1221.....	1,600	N.D.
PCB 1232.....	400	N.D.
PCB 1242.....	400	N.D.
PCB 1248.....	400	N.D.
PCB 1254.....	400	N.D.
PCB 1260.....	400	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Vickie Tague  
Project Manager



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willitt

Client Project ID: #350058-51, Robles Property, PO#23987  
Sample Descript: Soil, E  
Analysis Method: EPA 8080  
Lab Number: 108-0479

Sampled: Aug 2, 1991  
Received: Aug 5, 1991  
Extracted: Aug 12, 1991  
Analyzed: Aug 12, 1991  
Reported: Aug 19, 1991

## POLYCHLORINATED BIPHENYLS (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
PCB 1016.....	400	N.D.
PCB 1221.....	1,600	N.D.
PCB 1232.....	400	N.D.
PCB 1242.....	400	N.D.
PCB 1248.....	400	N.D.
PCB 1254.....	400	N.D.
PCB 1260.....	400	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Vickie Tague  
Project Manager



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willitt

Client Project ID: #350058-51, Robles Property, PO#23987  
Sample Descript: Soil, W  
Analysis Method: EPA 8080  
Lab Number: 108-0480

Sampled: Aug 2, 1991  
Received: Aug 5, 1991  
Extracted: Aug 12, 1991  
Analyzed: Aug 12, 1991  
Reported: Aug 19, 1991

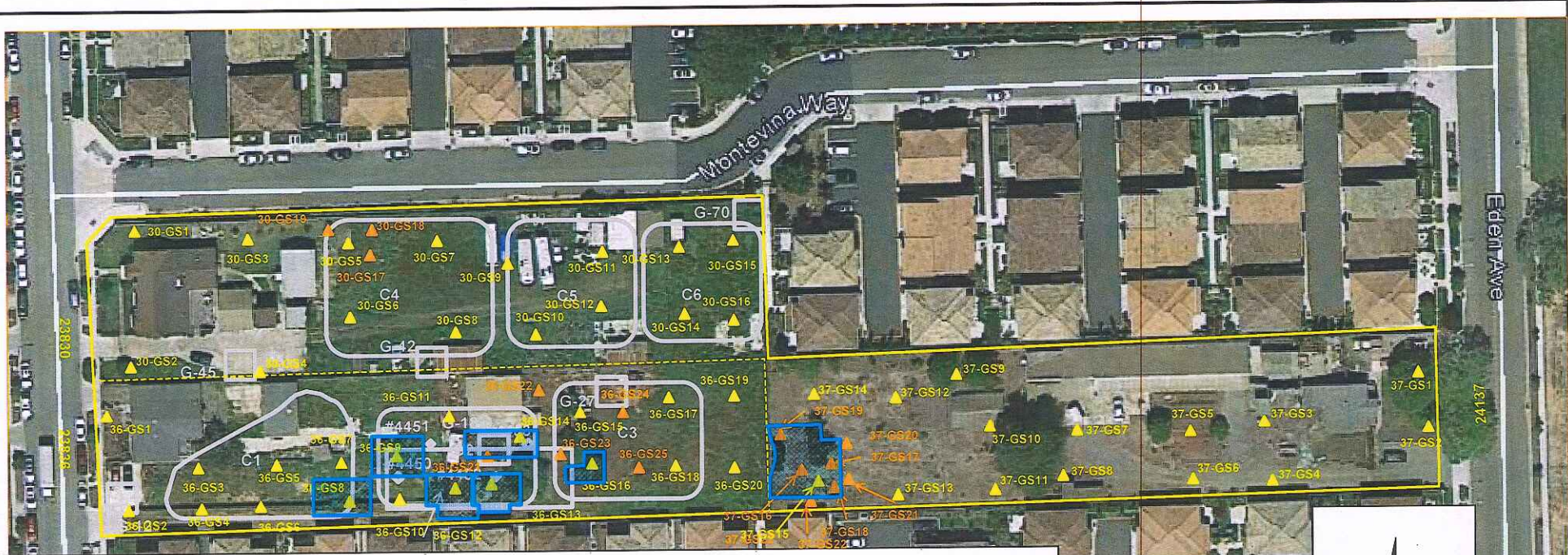
## POLYCHLORINATED BIPHENYLS (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
PCB 1016.....	400	N.D.
PCB 1221.....	1,600	N.D.
PCB 1232.....	400	N.D.
PCB 1242.....	400	N.D.
PCB 1248.....	400	N.D.
PCB 1254.....	400	N.D.
PCB 1260.....	400	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

*V. Tague*  
Vickie Tague  
Project Manager



23830 Saklan Road								
Sample ID	Date	alpha-BHC	beta-BHC	delta-BHC	Chlordane (µg/Kg)	4,4'-DDD	4,4'-DDE	4,4'-DDT
30-GS1-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS2-0.5'	2/26/2013	< 20	< 100	< 100	220	< 150	< 150	< 150
30-GS3-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS4-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS5-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	1,300	1,400
30-GS6-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	180	< 150
30-GS7-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS8-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS9-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS10-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS11-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS12-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	170	< 150
RSL		77	270	nv	1,600	2,000	1,400	1,700
TTL		nv	nv	nv	2,500	1,000	1,000	1,000
CHHSL		nv	nv	nv	430	2,300	1,600	1,600
ESL		nv	nv	nv	440	2,400	1,700	1,700

Sample ID	Date	alpha-BHC	beta-BHC	delta-BHC	Chlordane (µg/Kg)	4,4'-DDD	4,4'-DDE	4,4'-DDT
30-GS13-0.5'	2/26/2013	< 20	< 100	< 100	< 200	170	430	< 150
30-GS14-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	250	200
30-GS15-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	200	330
30-GS16-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	210	240
30-GS17-0.5'	9/30/2013	< 20	< 100	< 100	< 200	< 150	< 150	200
30-GS18-0.5'	9/30/2013	< 20	< 100	< 100	< 200	< 150	570	690
30-GS19-0.5'	9/30/2013	< 20	< 100	< 100	< 200	< 150	< 150	160

Notes:  
 nv = no value  
 NA = Not Analyzed

- Legend:**
- ▲ Initial Surface soil sample location (February 2013)
  - ▲ Follow-up soil sample location (September – October 2013)
  - Soil Excavation Area

<b>TITLE:</b> 23830 Saklan Road Soil Sample Results			
<b>LOCATION:</b> 23830 & 23836 Saklan Road and 24137 Eden Avenue, Hayward, California			
<b>TETRA TECH</b>	CHECKED:	TC	<b>FIGURE:</b>  <b>5</b>
	DRAFTED:	KEM	
	FILE:	117-7059010	
	DATE:	11/4/2013	



**TABLE 1**  
**Analytical Results Summary - Surface Soil Samples**  
**23830 Saklan Road**  
**Hayward, California**

O.C. Pesticides 8081A (µg/Kg)								
Sample ID	Date	alpha-BHC	beta-BHC	delta-BHC	Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT
30-GS1-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS2-0.5'	2/26/2013	< 20	< 100	< 100	220	< 150	< 150	< 150
30-GS3-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS4-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS5-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	1,300	1,400
30-GS6-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	180	< 150
30-GS7-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS8-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS9-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS10-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS11-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150
30-GS12-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	170	< 150
30-GS13-0.5'	2/26/2013	< 20	< 100	< 100	< 200	170	430	< 150
30-GS14-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	250	200
30-GS15-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	200	330
30-GS16-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	210	240
30-GS17-0.5'	9/30/2013	< 20	< 100	< 100	< 200	< 150	< 150	200
30-GS18-0.5'	9/30/2013	< 20	< 100	< 100	< 200	< 150	570	690
30-GS19-0.5'	9/30/2013	< 20	< 100	< 100	< 200	< 150	< 150	160
RSL		77	270	nv	1,600	2,000	1,400	1,700
TTLIC		nv	nv	nv	2,500	1,000	1,000	1,000
CHHSL		nv	nv	nv	430	2,300	1,600	1,600
ESL		nv	nv	nv	440	2,400	1,700	1,700

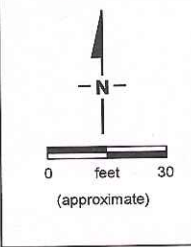
**Notes:**

- µg/Kg See laboratory analytical data sheets for list of compounds and reporting limits; **Results in BOLD exceed agency screening criteria.**  
micrograms per kilograms or parts per billion (ppb).
- CHHSL California Human Health Screening Level, Office of Environmental Health Hazard Assessment, Table 1, Residential Soil, September 2010. Soil screening numbers based on total exposure to contaminated soil: inhalation, ingestion, dermal absorption.
- ESL Environmental Screening Level, RWQCB - San Francisco Region, Table A-1, Direct Exposure, Human Health, Shallow Soil Screening Levels, Residential Land Use, February 2013
- nv no value.
- TTLIC Total Threshold Limit Concentrations, Title 22; limit for off-site disposal as a hazardous waste.
- RSL EPA Regional Screening Levels, Summary Table, Residential Soil, May 2013
- O.C. Organochlorine



Sample ID	Sample Depth (ft)	alpha-BHC	beta-BHC	delta-BHC	DDD	DDE	DDT	PCBs - Aroclor 1260
(µg/Kg)								
36-GS1	0.5'	< 20	< 100	< 100	< 150	< 150	< 150	--
36-GS2	0.5'	< 40	< 200	< 200	< 150	< 150	< 150	--
36-GS3	0.5'	< 20	< 100	< 100	< 150	< 150	< 150	--
36-GS4	0.5'	< 20	< 100	< 100	< 150	< 150	< 150	--
36-GS4	0.5'	< 20	< 100	< 100	< 150	< 150	< 150	--
36-GS6	0.5'	< 20	< 100	< 100	< 150	430	610	--
36-GS7	0.5'	< 20	< 100	< 100	< 150	< 150	< 150	--
36-GS8	0.5'	< 20	530	< 100	< 150	1,000	1,300	--
36-GS8	1.5'	< 20	< 100	< 100	< 150	< 150	< 150	--
36-GS9	0.5'	< 20	290	< 100	< 150	430	< 150	< 20
36-GS10	0.5'	< 20	< 100	< 100	< 150	270	< 150	--
36-GS11	0.5'	< 20	< 100	< 100	< 150	310	230	--
36-GS12	0.5'	< 20	310	< 100	180	850	380	640
36-GS12	1.5'	< 20	< 100	< 100	< 150	< 150	< 150	< 20
36-GS13	0.5'	< 20	610	< 100	< 150	650	590	< 20
36-GS13	1.5'	< 20	< 100	< 100	< 150	< 150	< 150	--
36-GS14	0.5'	45	1,200	110	< 150	1,300	1,400	1,400
36-GS14	1.5'	< 20	< 100	< 100	< 150	< 150	< 150	--
36-GS15	0.5'	< 20	< 100	< 100	< 150	320	170	--
36-GS16	0.5'	< 20	220	< 100	< 150	1,400	610	1,200
36-GS16	1.5'	--	--	--	--	--	--	< 20
RSL		77	270	NV	2,000	1,400	1,700	220
ESL		NV	NV	NV	2,400	1,700	1,700	220
TTLIC		NV	NV	NV	1,000	1,000	1,000	50,000

Sample ID	Sample Depth (ft)	alpha-BHC	beta-BHC	delta-BHC	DDD	DDE	DDT	PCBs - Aroclor 1260
(µg/Kg)								
36-GS17	0.5'	< 20	110	< 100	< 150	240	< 150	--
36-GS18	0.5'	< 20	< 100	< 100	< 150	< 150	< 150	< 20
36-GS19	0.5'	< 20	< 100	< 100	< 150	310	220	--
36-GS20	0.5'	< 20	< 100	< 100	< 150	< 150	< 150	--
36-GS21	0.5'	--	--	--	--	--	--	< 20
36-GS22	0.5'	--	--	--	--	--	--	< 20
36-GS23	0.5'	--	--	--	--	--	--	< 20
36-GS24	0.5'	--	--	--	--	--	--	< 20
36-GS25	0.5'	--	--	--	--	--	--	< 20
RSL		77	270	NV	2,000	1,400	1,700	220
ESL		NV	NV	NV	2,400	1,700	1,700	220
TTLIC		NV	NV	NV	1,000	1,000	1,000	50,000



**LEGEND**

- Proposed Soil Excavation – PCBs – Disposal as Hazardous – Total DDT/DDD/DDE > 1,000 µg/Kg  
1,548 ft<sup>2</sup>  
1': 75 yards -- 97 tons
- Proposed Soil Excavation – Pesticides – Disposal as Hazardous – Total DDT/DDD/DDE > 1,000 µg/Kg  
1,288 ft<sup>2</sup>  
1': 62 yards -- 81 tons
- Proposed Soil Excavation – Pesticides – Disposal as Non-Hazardous  
884 ft<sup>2</sup>  
1': 43 yards -- 55 tons

TITLE: 23836 Saklan Road Results and Proposed Shallow Soil Excavation Areas		
LOCATION: 23830 & 23836 Saklan Road and 24137 Eden Avenue Hayward, California		
CHECKED: TC	FIGURE: 7	
DRAFTED: GK		
FILE: 117-7059010		
DATE: 4/5/2013		





Sample ID	Date	beta-BHC	gamma-BHC (Lindane)	DDD			PCBs Aroclor 1260
				DDE	DDT	(µg/Kg)	
F-1	8/28/2013	<17	<17	<33	<33	<33	<20
F-2	8/28/2013	54	<17	<33	65	41	---
F-3	8/28/2013	<17	<17	<33	55	<33	<20
F-4	8/28/2013	73	<17	<33	<33	<33	---
F-5	8/28/2013	<17	<17	<33	<33	<33	<20
F-6	8/28/2013	<17	<17	<33	<33	<33	---
SW-1	8/28/2013	96	<17	<33	140	69	---
SW-2	8/28/2013	18	<17	<33	550	270	<20
SW-3	8/28/2013	<17	<17	<33	65	43	<20
SW-4	8/28/2013	190	<17	<33	470	350	<20
SW-5	8/28/2013	400	<17	<33	400	360	<20
SO-SW-5-5'	9/10/2013	510	<100	<150	570	630	---
SO-SW-5-10'	9/10/2013	300	<200	<300	430	350	---
SO-SW-5-15'	9/30/2013	240	<100	1,200	840	8,000	---
SO-SW-5-20'	9/30/2013	<100	<100	<150	1,200	730	---
SW-6	8/28/2013	100	<17	<33	33	<33	<20
SW-7	8/28/2013	440	<17	<33	310	330	<20
RSL		270	520	2,000	1,400	1,700	220
TTLCL		nv	400	1,000	1,000	1,000	50,000
CHHSL		nv	500	2,300	1,600	1,600	89
ESL		nv	21,000	2,400	1,700	1,700	220

Sample ID	Date	beta-BHC	gamma-BHC (Lindane)	DDD			DDE	DDT	PCB Aroclor 1260
				DDE	DDT	(µg/Kg)			
SO-SW-7-5'	9/10/2013	190	<100	<150	<150	<150	---	---	---
SO-SW-7-10'	9/10/2013	NA	NA	NA	NA	NA	NA	NA	NA
SW-8	8/28/2013	170	<17	<33	560	330	---	---	---
SW-9	8/28/2013	340	26	150	1,300	960	<20	---	<20
SO-SW-9-5'	9/10/2013	390	<100	<150	170	160	---	---	---
SO-SW-9-10'	9/30/2013	<100	<100	<150	<150	<150	---	---	---
SW-10	8/28/2013	190	<17	40	980	720	<20	---	<20
SW-11	8/28/2013	<17	<17	<33	33	<33	---	---	---
SW-12	8/28/2013	25	<17	<33	82	<33	---	---	---
SW-13	8/28/2013	<17	<17	<33	110	56	---	---	---
SW-14	8/28/2013	28	<17	<33	190	100	---	---	---
SW-15	8/28/2013	83	<17	<33	190	50	---	---	---
SW-16	8/28/2013	<17	<17	<33	<33	<33	---	---	---
SW-17	9/10/2013	380	<100	<150	240	240	---	---	---
SO-SW-17-5'	9/10/2013	<200	<200	<300	540	320	---	---	---
SW-18	9/10/2013	180	<100	<150	900	780	---	---	---
SO-SW-18	9/10/2013	NA	NA	NA	NA	NA	NA	NA	NA
RSL		270	520	2,000	1,400	1,700	220	---	---
TTLCL		nv	400	1,000	1,000	1,000	50,000	---	---
CHHSL		nv	500	2,300	1,600	1,600	89	---	---
ESL		nv	21,000	2,400	1,700	1,700	220	---	---

Notes:  
nv = no value  
NA = Not Analyzed

- Legend:
- 36-GS18 ▲ Initial and follow-up soil sample location (February/March 2013)
  - - Soil Excavation Area
  - - Excavation Area – Managed as Hazardous
  - ▲ - Confirmation Soil Sample Location  
SW-1 to SW-16 Sidewall approx. 0.5'  
F-1 to F-6 Floor Sample approx. 1.0'
  - ✚ - Air Monitoring Station    ✚ - Dust Monitoring Station

TITLE: **Soil Excavation Areas and Confirmation Sampling Results, 23836 Saklan Road**

LOCATION: **23830 & 23836 Saklan Road and 24137 Eden Avenue, Hayward, California**

CHECKED:	TC	FIGURE: <b>8</b>
DRAFTED:	KEM	
FILE:	117-7059010	
DATE:	11/4/2013	

**TETRA TECH**



**Legend:**

- Soil Excavation Area
- Soil Excavation Area – Managed as Hazardous
- ▲ - Confirmation Soil Sample Location
- ▲ - Initial and follow-up surface soil sample location (February/March 2013)
- + - Air Monitoring Station
- + - Dust Monitoring Station

**SW-18 180** Note: Values displayed for the pesticide Beta-BHC at 0.5' in depth, unless otherwise noted. Values in µg/Kg.

<b>TITLE:</b> Close-up of 23836 Saklan Road Soil Excavation Areas, Showing Selected Sample Results			
<b>LOCATION:</b> 23830 & 23836 Saklan Road and 24137 Eden Avenue, Hayward, California			
<b>TETRA TECH</b>	CHECKED:	TC	<b>FIGURE:</b>  <span style="font-size: 2em;">9</span>
	DRAFTED:	KEM	
	FILE:	117-7059010	
	DATE:	11/4/2013	



**Legend:**

- 36-GS18 ▲ Initial and follow-up surface soil sample location (February/March 2013)
- Soil Excavation Area - 2013
- Soil Excavation Area - Managed as Hazardous - 2013
- ▲ - Confirmation Soil Sample Location - 2013
- + + - Air Monitoring Station \ Dust Monitoring Station 2013
- ▲ Additional Shallow Soil Sample Location - March 27, 2014
- ▲ Excavation Confirmation Sample Location - May 2014
- SW-18  
180 Note: Values displayed for the pesticide Beta-BHC at 0.5' in depth, unless otherwise noted. Values in µg/Kg.
- Final Excavation Areas - June 2014

<b>TITLE: Close-up of 23836 Saklan Road Soil Excavation Areas and Soil Sample Locations, Showing Selected Sample Results</b>			
<b>LOCATION: 23830 &amp; 23836 Saklan Road and 24137 Eden Avenue, Hayward, California</b>		<b>FIGURE: 1</b>	
<b>TETRA TECH</b>	CHECKED:	TC	
	DRAFTED:	KEM	
	FILE:	117-7059010	
	DATE:	11/4/2013	

TABLE 2  
Analytical Results Summary - Surface Soil Samples  
23836 Saklan Road  
Hayward, California

Sample ID	Date	O.C. Pesticides 8081A (µg/Kg)							PCBs by EPA Method 8082A (µg/Kg)	CAM Metals by EPA Method 6010 (mg/Kg)					TPH 8015M (mg/Kg)	
		alpha-BHC	beta-BHC	delta-BHC	Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aroclor 1260	Cadmium	Chromium	Lead	Nickel	Zinc	Diesel	Oil
36-GS1-0.5'	02/27/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	---	---	---	---	---	---	---	---
36-GS2-0.5'	02/27/2013	< 40	< 200	< 200	< 400	< 300	< 300	< 300	---	---	---	---	---	---	---	---
36-GS3-0.5'	02/27/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	---	---	---	---	---	---	---	---
36-GS5-0.5'	02/27/2013	< 40	< 200	< 200	< 400	< 300	< 300	< 300	---	---	---	---	---	---	---	---
36-GS4-0.6'	02/27/2013	< 20	< 100	< 100	< 200	< 150	180	< 150	---	---	---	---	---	---	---	---
36-GS6-0.5'	02/27/2013	< 20	< 100	< 100	< 200	< 150	430	610	---	---	---	---	---	---	---	---
36-GS7-0.5'	02/27/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	---	---	---	---	---	---	---	---
36-GS8-0.5'	02/27/2013	< 20	<b>530</b>	< 100	< 200	< 150	1,000	1,300	---	---	---	---	---	---	---	---
36-GS8-1.5'	03/27/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	---	---	---	---	---	---	---	---
36-GS9-0.5'	02/27/2013	< 20	<b>290</b>	< 100	< 200	< 150	430	< 150	< 20	---	---	---	---	---	---	---
36-GS10-0.5'	02/27/2013	< 20	< 100	< 100	< 200	< 150	270	< 150	< 20	---	---	---	---	---	---	---
36-GS11-0.5'	02/27/2013	< 20	< 100	< 100	< 200	< 150	310	230	< 20	---	---	---	---	---	---	---
36-GS12-0.5'	02/27/2013	< 20	<b>310</b>	< 100	< 200	180	850	380	<b>640</b>	---	---	---	---	---	---	---
36-GS12-1.5'	03/27/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 20	---	---	---	---	---	---	---
36-GS13-0.5'	02/27/2013	< 20	<b>610</b>	< 100	< 200	< 150	650	590	< 20	---	---	---	---	---	---	---
36-GS13-1.5'	03/27/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	---	---	---	---	---	---	---	---
36-GS14-0.5'	02/27/2013	45	<b>1,200</b>	110	< 200	< 150	1,300	1,400	<b>1,400</b>	---	---	---	---	---	---	---
36-GS14-1.5'	03/27/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 20	---	---	---	---	---	---	---
36-GS15-0.5'	02/27/2013	< 20	< 100	< 100	< 200	< 150	320	170	< 20	---	---	---	---	---	---	---
36-GS16-0.5'	02/27/2013	< 20	220	< 100	< 200	< 150	1,400	610	<b>1,200</b>	< 1.0	100	21	39	120	< 1.0	14
36-GS16-1.5'	03/27/2013	---	---	---	---	---	---	---	< 20	---	---	---	---	---	---	---
36-GS17-0.5'	02/27/2013	< 20	110	< 100	< 200	< 150	240	< 150	< 20	---	---	---	---	---	---	---
36-GS18-0.5'	02/27/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 20	---	---	---	---	---	---	---
36-GS19-0.5'	02/27/2013	< 20	< 100	< 100	< 200	< 150	310	220	---	---	---	---	---	---	---	---
36-GS20-0.5'	02/27/2013	< 20	< 100	< 100	< 200	< 150	160	< 150	---	---	---	---	---	---	---	---
36-GS21-0.5'	03/27/2013	---	---	---	---	---	---	---	< 20	---	---	---	---	---	---	---
36-GS22-0.5'	03/27/2013	---	---	---	---	---	---	---	< 20	---	---	---	---	---	---	---
36-GS23-0.5'	03/27/2013	---	---	---	---	---	---	---	< 20	---	---	---	---	---	---	---
36-GS24-0.5'	03/27/2013	---	---	---	---	---	---	---	< 20	---	---	---	---	---	---	---
36-GS25-0.5'	03/27/2013	---	---	---	---	---	---	---	< 20	---	---	---	---	---	---	---
RSL		77	270	nv	1,600	2,000	1,400	1,700	220	70	120,000	400	1,500	23,000	nv	nv
TTLc		nv	nv	nv	2,500	1,000	1,000	1,000	50,000	100	2,500	1,000	2,000	5,000	nv	nv
CHHSL		nv	nv	nv	430	2,300	1,600	1,600	89	1.7	100,000	150	1,600	23,000	nv	nv
ESL		nv	nv	nv	440	2,400	1,700	1,700	220	1.2	750	80	150	600	83	500

Notes:

See laboratory analytical data sheets for list of compounds and reporting limits; Results in **BOLD** exceed agency screening criteria.

CAM California Assessment Manual

mg/Kg milligrams per kilograms or parts per million (ppm).

µg/Kg micrograms per kilograms or parts per billion (ppb).

--- Not analyzed.

CHHSL California Human Health Screening Level, Office of Environmental Health Hazard Assessment, Table 1, Residential Soil, September 2010. Soil screening numbers based on total exposure to contaminated soil: inhalation, ingestion, dermal absorption.

ESL Environmental Screening Level, RWQCB - San Francisco Region, Table A-1, Direct Exposure, Human Health, Shallow Soil Screening Levels, Residential Land Use, February 2013

nv no value.

TPH Petroleum Hydrocarbons

TTLc Total Threshold Limit Concentrations, Title 22; limit for off-site disposal as a hazardous waste.

RSL EPA Regional Screening Levels, Summary Table, Residential Soil, November 2012

**TABLE 5**  
**Analytical Results Summary - Confirmation Soil Samples**  
**23836 Saklan Road**  
**Hayward, California**

Sample ID	Date	O.C. Pesticides 8081A (µg/Kg)								PCBs by EPA Method 8082A (µg/Kg)
		alpha-BHC	beta-BHC	delta-BHC	gamma-BHC	Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aroclor 1260
					(Lindane)					
F-1	8/28/2013	< 17	< 17	< 17	< 17	< 33	< 33	< 33	< 33	< 20
F-2	8/28/2013	< 17	54	< 17	< 17	< 33	< 33	65	41	< 20
F-3	8/28/2013	< 17	< 17	< 17	< 17	< 33	< 33	55	< 33	---
F-4	8/28/2013	< 17	73	< 17	< 17	< 33	< 33	< 33	< 33	< 20
F-5	8/28/2013	< 17	< 17	< 17	< 17	< 33	< 33	< 33	< 33	---
F-6	8/28/2013	< 17	< 17	< 17	< 17	< 33	< 33	< 33	< 33	---
SW-1	8/28/2013	< 17	96	< 17	< 17	< 33	< 33	140	69	< 20
SW-2	8/28/2013	< 17	18	< 17	< 17	< 33	< 33	550	270	< 20
SW-3	8/28/2013	< 17	< 17	< 17	< 17	< 33	< 33	65	43	< 20
SW-4	8/28/2013	< 17	190	< 17	< 17	< 33	< 33	470	350	< 20
SW-5	8/28/2013	< 17	<b>400</b>	< 17	< 17	< 33	< 33	400	360	< 20
SW-6	8/28/2013	< 17	100	< 17	< 17	< 33	< 33	33	< 33	< 20
SW-7	8/28/2013	< 17	<b>440</b>	< 17	< 17	< 33	< 33	310	330	---
SW-8	8/28/2013	< 17	170	< 17	< 17	< 33	< 33	560	330	< 20
SW-9	8/28/2013	< 17	<b>340</b>	< 17	26	< 33	150	1,300	960	< 20
SW-10	8/28/2013	< 17	190	< 17	< 17	< 33	40	980	720	< 20
SW-11	8/28/2013	< 17	< 17	< 17	< 17	< 33	< 33	33	< 33	---
SW-12	8/28/2013	< 17	25	< 17	< 17	< 33	< 33	82	< 33	---
SW-13	8/28/2013	< 17	< 17	< 17	< 17	< 33	< 33	110	56	---
SW-14	8/28/2013	< 17	28	< 17	< 17	< 33	< 33	190	100	---
SW-15	8/28/2013	< 17	83	< 17	< 17	< 33	< 33	190	50	---
SW-16	8/28/2013	< 17	< 17	< 17	< 17	< 33	< 33	< 33	< 33	---
SW-17	9/10/2013	< 20	<b>380</b>	< 100	< 100	< 200	< 150	240	240	---
SW-18	9/10/2013	< 20	180	< 100	< 100	< 200	< 150	900	780	---
SO-SW-5-5'	9/10/2013	< 20	<b>510</b>	< 100	< 100	< 200	< 150	570	630	---
SO-SW-5-10'	9/10/2013	< 40	<b>300</b>	< 200	< 200	< 400	< 300	430	350	---
SO-SW-5-15'	9/30/2013	< 20	240	< 100	< 100	< 200	< 200	1,200	840	<b>8,000</b>
SO-SW-5-20'	9/30/2013	< 20	< 100	230	< 100	< 200	< 150	1,200	730	---
SO-SW-7-5'	9/10/2013	< 20	190	< 100	< 100	< 200	< 150	< 150	< 150	---
SO-SW-9-5'	9/10/2013	< 20	<b>390</b>	< 100	< 100	< 200	< 150	170	160	---
SO-SW-9-10'	9/30/2013	< 20	< 100	< 100	< 100	< 200	< 150	< 150	< 150	---
SO-SW-17-5'	9/10/2013	< 40	< 200	< 200	< 200	< 400	< 300	540	320	---
RSL		77	270	nv	520	1,600	2,000	1,400	1,700	220
TTLIC		nv	nv	nv	400	2,500	1,000	1,000	1,000	50,000
CHHSL		nv	nv	nv	500	430	2,300	1,600	1,600	89
ESL		nv	nv	nv	21,000	440	2,400	1,700	1,700	220

**Notes:**

- See laboratory analytical data sheets for list of compounds and reporting limits; **Results in BOLD exceed agency screening criteria.**
- mg/Kg milligrams per kilograms or parts per million (ppm).
- µg/Kg micrograms per kilograms or parts per billion (ppb).
- Not analyzed.
- CHHSL California Human Health Screening Level, Office of Environmental Health Hazard Assessment, Table 1, Residential Soil, September 2010. Soil screening numbers based on total exposure.
- ESL Environmental Screening Level, RWQCB - San Francisco Region, Table A-1, Direct Exposure, Human Health, Shallow Soil Screening Levels, Residential Land Use, May 2013
- nv no value.
- TTLIC Total Threshold Limit Concentrations, Title 22; limit for off-site disposal as a hazardous waste.
- RSL EPA Regional Screening Levels, Summary Table, Residential Soil, May 2013

TABLE 4  
Analytical Results Summary - Disposal Profile Soil Samples  
23836 Saklan Road  
Hayward, California

Sample ID	Sample Date	Pesticides (O.C.) 8081A (µg/Kg)											CAM Metals by EPA Method 6010 (mg/Kg)													STLC			8015M (mg/Kg)						
		alpha-BHC	beta-BHC	4,4'-DDD	4,4'-DDE	4,4'-DDT	Chlordane	delta-BHC	Dieldrin	gamma-BHC (Lindane)	Heptachlor epoxide	Methoxychlor	PCBs by EPA Method 8082A (µg/Kg)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Chromium	BTEX by 8260B (µg/Kg)	Gasoline	Diesel	Motor Oil
Pile 1	8/28/2013	< 17	99	< 33	230	180	< 33	< 17	< 30	< 17	< 17	< 170	< 2.5	3.4	190	0.53	< 0.50	64	11	26	18	< 0.10	< 1.0	46	< 2.5	< 0.50	< 1.0	45	81	NA	ND	< 0.20	< 1.0	23	
Pile 2	8/28/2013	< 17	48	< 33	140	44	< 33	< 17	< 30	< 17	< 170	< 170	< 2.5	3.8	160	< 0.50	0.52	61	10	28	44	< 0.10	< 1.0	41	< 2.5	< 0.50	< 1.0	44	100	0.87	ND	< 0.20	< 1.0	26	
Pile 3-1	8/28/2013	< 17	43	< 33	120	81	< 33	< 17	< 30	< 17	< 170	< 170	< 2.5	3.4	160	< 0.50	0.63	58	9.5	27	30	< 0.10	< 1.0	38	< 2.5	< 0.50	< 1.0	42	110	0.65	ND	< 0.20	< 1.0	39	
Pile 3-2	8/28/2013	< 17	110	< 33	260	200	< 33	< 17	< 30	< 17	< 170	< 170	< 2.5	3.5	150	< 0.50	0.60	72	9.7	28	23	0.14	< 1.0	40	< 2.5	< 0.50	< 1.0	43	100	2.5	ND	< 0.20	< 1.0	29	
TTL		nv	nv	1,000	1,000	1,000	2,500	nv	8,000	400	nv	nv	---	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000	500	---	nv	nv	nv
STLC		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5 (mg/L)	---	nv	nv	nv

Notes:

- See laboratory analytical data sheets for list of compounds and reporting limits.
- SGT Silica Gel Treatment (to remove naturally occurring lipids and fats that may cause false positive results).
- mg/Kg milligrams per kilograms or parts per million (ppm).
- µg/Kg micrograms per kilograms or parts per billion (ppb).
- mg/L milligrams per liter
- TTL Total Threshold Limit Concentration, CCR, Title 22, Chapter 11, Article 3; limit for off-site disposal as a hazardous waste.
- STLC Soluble Total Threshold Limit Concentration, CCR, Title 22, Chapter 11, Article 3; limit for off-site disposal as a hazardous waste.
- ND Non Detected
- NA Not Analyzed
- nv no value



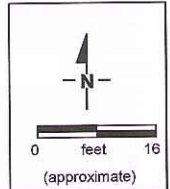
**TABLE 1**  
**Analytical Results Summary - Confirmation Soil Samples - March and May 2014**  
**23836 Saklan Road**  
**Hayward, California**

Confirmation Sample ID	Excavation Reference	Sample Area	Sample Date	O.C. Pesticides 8081A (µg/Kg)								PCBs by EPA Method 8082A (µg/Kg)		
				alpha-BHC	beta-BHC	delta-BHC	gamma-BHC (Lindane)	Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Aroclor 1260	
<b>23836 Saklan Road</b>														
Conf-1	36-GS-8	East	3/27/2014	< 20	< 100	< 100	< 100	< 200	< 150	< 150	< 150	< 10	---	
Conf-2	36-GS-9	East	3/27/2014	< 20	160	< 100	< 100	< 200	< 150	190	< 150	< 10	---	
Conf-3	36-GS-13\36-GS-14	North	3/27/2014	45	<b>610</b>	< 100	< 100	< 200	< 150	790	1400	< 10	< 20	
SO-Conf-3-1	36-GS-13\36-GS-14	West	5/27/2014	< 20	< 100	< 100	< 100	< 200	< 150	< 150	< 150	< 10	---	
SO-Conf-3-2	36-GS-13\36-GS-14	East	5/27/2014	< 20	180	< 100	< 100	< 200	< 150	< 150	< 150	< 10	---	
Conf-4	36-GS-14	East	3/27/2014	< 20	140	< 100	< 100	< 200	< 150	< 150	< 150	< 10	< 20	
Conf-5	36-GS-16	East	3/27/2014	< 20	< 100	< 100	< 100	< 200	< 150	320	230	< 10	< 20	
<b>24137 Eden Avenue</b>														
Conf-6	37-GS-15	North	3/27/2014	< 20	< 100	< 100	< 100	< 200	< 150	< 150	< 150	< 10	---	
Conf-7	37-GS-15	West	3/27/2014	< 20	< 100	< 100	< 100	< 200	< 150	< 150	< 150	< 10	---	
Conf-8	37-GS-15	West	3/27/2014	< 20	< 100	< 100	< 100	< 200	< 150	< 150	< 150	10	---	
RSL				77	270	nv	520	1,600	2,000	1,400	1,700	40	220	
TTLC				nv	nv	nv	4,000	2,500	1,000	1,000	1,000	8,000	50,000	
CHHSL				nv	nv	nv	500	430	2,300	1,600	1,600	35	89	
ESL				nv	nv	nv	21,000	440	2,400	1,700	1,700	34	220	

**Notes:**

- mg/Kg                    See laboratory analytical data sheets for list of compounds and reporting limits; **Results in BOLD exceed agency screening criteria.**
- µg/Kg                   milligrams per kilograms or parts per million (ppm).
- 
- kilograms or parts
- Not analyzed.
- CHHSL                   California Human Health Screening Level, Office of Environmental Health Hazard Assessment, Table 1, Residential Soil, September 2010. Soil screening numbers based on total exposure to contaminated soil: inhalation, ingestion, dermal absorption.
- ESL                        Environmental Screening Level, RWQCB - San Francisco Region, Table A-1, Direct Exposure, Human Health, Shallow Soil Screening Levels, Residential Land Use, December 2013
- nv                         no value.
- TTLC                     Total Threshold Limit Concentrations, Title 22; limit for off-site disposal as a hazardous waste.
- RSL                        EPA Regional Screening Levels, Summary Table, Residential Soil, November 2013





- 37-GS16 Initial surface soil sample location (February 2013)
- 37-GS22 Follow-up surface soil sample location (September – October 2013)

- Soil Excavation Area
- Air Monitoring Station
- Dust Monitoring Station

Additional Shallow Soil Sample Location – March 27, 2014

Conf-7 < 200 Note: Values displayed for the pesticide Chlordane at 0.5' in depth, unless otherwise noted. Values in µg/Kg.

TITLE: <b>Close-up of 24137 Eden Avenue Soil Excavation Areas and Soil Sample Locations, Showing Selected Sample Results</b>		
LOCATION: <b>23830 &amp; 23836 Saklan Road and 24137 Eden Avenue, Hayward, California</b>		
CHECKED:	TC	FIGURE: <b>2</b>
DRAFTED:	KEM	
FILE:	117-7059010	
DATE:	11/4/2013	



TABLE 3  
Analytical Results Summary - Surface Soil Samples  
24137 Eden Avenue  
Hayward, California

Sample ID	Date	O.C. Pesticides 8081A (µg/Kg)									CAM Metals by EPA Method 6010 (mg/Kg)					TPH 8015M (mg/Kg)	
		alpha-BHC	beta-BHC	delta-BHC	Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Heptachlor epoxide	Cadmium	Chromium	Lead	Nickel	Zinc	Diesel	Oil
37-GS1-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS2-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS3-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS4-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS5-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS6-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS7-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS8-1.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 10	< 20	< 1.0	42	< 10	43	51	< 1.0	89
37-GS9-0.5'	2/26/2013	< 20	< 100	< 100	340	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS10-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS11-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS12-0.5'	2/26/2013	< 20	< 100	< 100	< 200	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS13-0.5'	2/26/2013	< 20	< 100	< 100	200	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS14-0.5'	2/26/2013	< 20	< 100	< 100	260	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS15-0.5'	2/26/2013	< 20	< 100	< 100	<b>460</b>	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS15-1.5'	9/30/2013	< 20	< 100	< 100	210	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS16-0.5'	9/30/2013	< 20	< 100	< 100	<b>1,700</b>	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS17-0.5'	9/30/2013	< 20	< 100	< 100	<b>1,100</b>	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS18-0.5'	9/30/2013	< 20	< 100	< 100	<b>1,000</b>	< 150	< 150	< 150	< 10	< 20	---	---	---	---	---	---	
37-GS19-0.5'	10/10/2013	< 17	< 17	< 17	<b>930</b>	< 33	79	120	<b>52</b>	<b>22</b>	---	---	---	---	---	---	
37-GS20-0.5'	10/10/2013	< 17	< 17	< 17	120	< 33	< 33	< 33	< 30	< 17	---	---	---	---	---	---	
37-GS21-0.5'	10/10/2013	< 17	< 17	< 17	150	< 33	< 33	< 33	< 30	< 17	---	---	---	---	---	---	
37-GS22-0.5'	10/10/2013	< 17	< 17	< 17	< 33	< 33	< 33	< 33	< 30	< 17	---	---	---	---	---	---	
RSL		77	270	nv	1,600	2,000	1,400	1,700	30	53	70	120,000	400	1,500	23,000	nv	nv
TTL		nv	nv	nv	2,500	1,000	1,000	1,000	8,000	nv	100	2,500	1,000	2,000	5,000	nv	nv
CHHSL		nv	nv	nv	430	2,300	1,600	1,600	35	nv	1.7	100,000	80	1,600	23,000	nv	nv
ESL		nv	nv	nv	440	2,400	1,700	1,700	2.3	14	1.2	750	80	150	600	100	500

**Notes:**

- See laboratory analytical data sheets for list of compounds and reporting limits; **Results in BOLD exceed agency screening criteria.**
- CAM California Assessment Manual
- mg/Kg milligrams per kilograms or parts per million (ppm).
- µg/Kg micrograms per kilograms or parts per billion (ppb).
- Not analyzed.
- CHHSL California Human Health Screening Level, Office of Environmental Health Hazard Assessment, Table 1, Residential Soil, September 2010. Soil screening numbers based on total exposure to contaminated soil: inhalation, ingestion, dermal absorption.
- ESL Environmental Screening Level, RWQCB - San Francisco Region, Table A-1, Direct Exposure, Human Health, Shallow Soil Screening Levels, Residential Land Use, May 2013.
- nv no value.
- TPH Total Petroleum Hydrocarbons
- TTL Total Threshold Limit Concentrations, Title 22; limit for off-site disposal as a hazardous waste.
- RSL EPA Regional Screening Levels, Summary Table, Residential Soil, May 2013
- O.C. Organochlorine

**TABLE 1**  
**Analytical Results Summary - Confirmation Soil Samples - March and May 2014**  
**23836 Saklan Road**  
**Hayward, California**

Confirmation Sample ID	Excavation Reference	Sample Area	Sample Date	O.C. Pesticides 8081A (µg/Kg)								PCBs by EPA Method 8082A (µg/Kg)	
				alpha-BHC	beta-BHC	delta-BHC	gamma-BHC (Lindane)	Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Aroclor 1260
<b>23836 Saklan Road</b>													
Conf-1	36-GS-8	East	3/27/2014	< 20	< 100	< 100	< 100	< 200	< 150	< 150	< 150	< 10	---
Conf-2	36-GS-9	East	3/27/2014	< 20	160	< 100	< 100	< 200	< 150	190	< 150	< 10	---
Conf-3	36-GS-13\36-GS-14	North	3/27/2014	45	<b>610</b>	< 100	< 100	< 200	< 150	790	1400	< 10	< 20
SO-Conf-3-1	36-GS-13\36-GS-14	West	5/27/2014	< 20	< 100	< 100	< 100	< 200	< 150	< 150	< 150	< 10	---
SO-Conf-3-2	36-GS-13\36-GS-14	East	5/27/2014	< 20	180	< 100	< 100	< 200	< 150	< 150	< 150	< 10	---
Conf-4	36-GS-14	East	3/27/2014	< 20	140	< 100	< 100	< 200	< 150	< 150	< 150	< 10	< 20
Conf-5	36-GS-16	East	3/27/2014	< 20	< 100	< 100	< 100	< 200	< 150	320	230	< 10	< 20
<b>24137 Eden Avenue</b>													
Conf-6	37-GS-15	North	3/27/2014	< 20	< 100	< 100	< 100	< 200	< 150	< 150	< 150	< 10	---
Conf-7	37-GS-15	West	3/27/2014	< 20	< 100	< 100	< 100	< 200	< 150	< 150	< 150	< 10	---
Conf-8	37-GS-15	West	3/27/2014	< 20	< 100	< 100	< 100	< 200	< 150	< 150	< 150	10	---
<b>RSL</b>				<b>77</b>	<b>270</b>	<b>nv</b>	<b>520</b>	<b>1,600</b>	<b>2,000</b>	<b>1,400</b>	<b>1,700</b>	<b>40</b>	<b>220</b>
<b>TTL</b>				<b>nv</b>	<b>nv</b>	<b>nv</b>	<b>4,000</b>	<b>2,500</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>8,000</b>	<b>50,000</b>
<b>CHHSL</b>				<b>nv</b>	<b>nv</b>	<b>nv</b>	<b>500</b>	<b>430</b>	<b>2,300</b>	<b>1,600</b>	<b>1,600</b>	<b>35</b>	<b>89</b>
<b>ESL</b>				<b>nv</b>	<b>nv</b>	<b>nv</b>	<b>21,000</b>	<b>440</b>	<b>2,400</b>	<b>1,700</b>	<b>1,700</b>	<b>34</b>	<b>220</b>

**Notes:**

See laboratory analytical data sheets for list of compounds and reporting limits; **Results in BOLD exceed agency screening criteria.**

mg/Kg      milligrams per kilograms or parts per million (ppm).  
µg/Kg      kilograms or parts  
---      Not analyzed.

CHHSL      California Human Health Screening Level, Office of Environmental Health Hazard Assessment, Table 1, Residential Soil, September 2010. Soil screening numbers based on total exposure to contaminated soil: inhalation, ingestion, dermal absorption.

ESL      Environmental Screening Level, RWQCB - San Francisco Region, Table A-1, Direct Exposure, Human Health, Shallow Soil Screening Levels, Residential Land Use, December 2013

nv      no value.

TTL      Total Threshold Limit Concentrations, Title 22; limit for off-site disposal as a hazardous waste.

RSL      EPA Regional Screening Levels, Summary Table, Residential Soil, November 2013

# ATTACHMENT 4

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# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willett

Client Project ID: 350058-51/Robles Property/PO#23187  
Sample Descript: Water, RW36  
Analysis Method: EPA 8080  
Lab Number: 105-1319

Sampled: May 9, 1991  
Received: May 9, 1991  
Extracted: May 10, 1991  
Analyzed: May 10, 1991  
Reported: May 14, 1991

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit µg/L	Sample Results µg/L
Aldrin.....	0.025	N.D.
alpha-BHC.....	0.025	N.D.
beta-BHC.....	0.025	N.D.
delta-BHC.....	0.025	N.D.
gamma-BHC (Lindane).....	0.025	N.D.
4,4'-DDD.....	0.15	N.D.
4,4'-DDE.....	0.050	N.D.
4,4'-DDT.....	0.15	N.D.
PCB-1016.....	0.50	N.D.
PCB-1221.....	2.0	N.D.
PCB-1232.....	0.50	N.D.
PCB-1242.....	0.50	N.D.
PCB-1248.....	0.50	N.D.
PCB-1254.....	0.50	N.D.
PCB-1260.....	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague  
Project Manager



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willett

Client Project ID: 350058-51/Robles Property/PO#23187  
Sample Descript: Water, R36S  
Analysis Method: EPA 8080  
Lab Number: 105-1320

Sampled: May 9, 1991  
Received: May 9, 1991  
Extracted: May 10, 1991  
Analyzed: May 10, 1991  
Reported: May 14, 1991

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit $\mu\text{g/L}$	Sample Results $\mu\text{g/L}$
Aldrin.....	0.025	N.D.
alpha-BHC.....	0.025	N.D.
beta-BHC.....	0.025	N.D.
delta-BHC.....	0.025	N.D.
gamma-BHC (Lindane).....	0.025	N.D.
4,4'-DDD.....	0.15	N.D.
4,4'-DDE.....	0.050	N.D.
4,4'-DDT.....	0.15	N.D.
PCB-1016.....	0.50	N.D.
PCB-1221.....	2.0	N.D.
PCB-1232.....	0.50	N.D.
PCB-1242.....	0.50	N.D.
PCB-1248.....	0.50	N.D.
PCB-1254.....	0.50	N.D.
PCB-1260.....	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague  
Project Manager





# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Exceltech  
41674 Christy Street  
Fremont, CA 94538  
Attention: Jeff Willett

Client Project ID: 350058-51/Robles Property/PO#23187  
Sample Descript: Water, R-30  
Analysis Method: EPA 8080  
Lab Number: 105-1321

Sampled: May 9, 1991  
Received: May 9, 1991  
Extracted: May 10, 1991  
Analyzed: May 10, 1991  
Reported: May 14, 1991

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit µg/L	Sample Results µg/L
Aldrin.....	0.025	N.D.
alpha-BHC.....	0.025	N.D.
beta-BHC.....	0.025	N.D.
delta-BHC.....	0.025	N.D.
gamma-BHC (Lindane).....	0.025	N.D.
4,4'-DDD.....	0.15	N.D.
4,4'-DDE.....	0.050	N.D.
4,4'-DDT.....	0.15	N.D.
PCB-1016.....	0.50	N.D.
PCB-1221.....	2.0	N.D.
PCB-1232.....	0.50	N.D.
PCB-1242.....	0.50	N.D.
PCB-1248.....	0.50	N.D.
PCB-1254.....	0.50	N.D.
PCB-1260.....	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Vickie Tague  
Project Manager