

**PHASE 2 ENVIRONMENTAL  
SITE ASSESSMENT**

**UCE WEST VILLAGE  
PROPERTY  
DAVIS,  
CALIFORNIA**

**WKA No.  
6915.02**



**WALLACE • KUHL & ASSOCIATES INC.**



**WALLACE • KUHL  
& ASSOCIATES INC.**

August 10, 2006

Geotechnical Engineering

Engineering Geology

Environmental Consulting

Remediation Services

Construction Inspection

Materials Testing

Mr. Rob DeWaters

West Village Community Partnership, LLC

1000 Sansome Street, Suite 180

San Francisco, California 94111

*Phase 2 Environmental Site Assessment Report*

**UCD WEST VILLAGE PROPERTY**

Vicinity of State Highway 113, between Hutchison Drive and Russell Boulevard

Davis, Yolo County, California

WKA No.: 6915.02

Dear Mr. DeWaters,

As you requested, Wallace-Kuhl & Associates (WKA) completed a Phase 2 investigation of the above referenced site. The site is defined by Yolo County Assessor's Parcel Numbers (APNs) 036-170-04 and -05, and is located west of Highway 113, south of Russell Boulevard and north of Hutchison Drive in Davis, California. The Phase 2 scope of work was developed based on the findings presented in WKAs December 15, 2005 *Phase 1 Environmental Site Assessment, UCD West Village Property, Davis, California*. The purpose of the assessment was to evaluate surficial soils on the subject property for evidence of potential persistent pesticide residuals.

To address potential persistent pesticide residuals, surface soil samples were collected for laboratory analysis as presented herein. Based on this information, WKA proposed and performed the following scope of work:

- Coordinated with the UCD Regional Notification Center to establish locations of subterranean structures on the site prior to hand sampling
- Collected one 4-point composite sample per each 25-acres (collect 32 discrete samples and composite into 8 for analysis)
- Collected four background samples to five feet below ground surface
- Collected discrete samples in the vicinity of the grain silos

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ROCKLIN OFFICE  
500 Menlo Drive  
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Rocklin, CA 95765  
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STOCKTON OFFICE  
3410 West Hammer Lane  
Suite F  
Stockton, CA 95219  
Tel 209.234.7722  
Fax 209.234.7727

- Analysis by a California-certified laboratory for *Organochlorine Pesticides, Lead and Arsenic* using EPA methods 8081A and 6010 for the soil samples retrieved from the property. The background samples were analyzed for arsenic and lead.

### **Sampling Activities**

On July 24, 2006, a representative from WKA collected a total of 32 discrete surficial soil samples (SS-1 through SS-32), and five discrete surficial soil samples from around the grain silos (Silo-1 through Silo-5). The 32 discrete soil samples were composited by the laboratory into eight 4-point composite samples for analysis. In addition, four background samples (BG-1 through BG-4) were collected from a depth of four to five feet below ground surface for analysis of arsenic and lead. The sampling and analysis strategy for the 225-acre site was based on recommendations presented in DTSC's August 2002 Interim Guidance for Sampling Agricultural Soils, Second Revision. The surficial sample was collected by hand excavating to a depth of four to six-inches below surface grade and filling a laboratory supplied glass jar with soil.

The background samples were collected by hand excavating to depths ranging from four and five feet below ground surface. The samples were submitted under chain-of-custody to California Laboratory Services (CLS), a California Department of Health Services accredited laboratory, for analysis. The soil samples were analyzed for Total Arsenic and Total Lead using EPA 6000/7000 series methods and for Organochlorine Pesticides using EPA method 8081A.

### **Results**

The soil samples were tested for Organochlorine Pesticides using EPA method 8081A and for Total Lead and Total Arsenic using EPA 6000/7000 series methods. Table 1 shows the concentrations of Dieldrin, DDT and its degradation compounds (DDE and DDD), Endosulfan I, Toxaphene, as well as arsenic and lead.

### **Composite Samples**

DDE was detected in three of the eight composite samples at concentrations ranging from 0.038 mg/kg to 0.076 mg/kg. DDT and DDD were not detected above laboratory reporting limits. Evaluating



concentrations of DDT, DDE and DDD for hazardous waste purposes requires a summation of their respective concentrations. Summation of DDT, DDD and DDE concentrations for soil samples obtained from the site ranged from <0.03 to 0.076 mg/kg. Dieldrin was detected in six of the eight samples at concentrations ranging from 0.0055 to 0.020 mg/kg. The highest concentration of Dieldrin was reported in composite sample SS-(17-20). Toxaphene was detected in seven of the eight composite samples at concentrations ranging from 0.11 mg/kg to 0.18 mg/kg. In addition, Endosulfan I was detected in one composite sample (SS-17-20) at a concentration of 0.11 mg/kg.

Arsenic was detected in each composite sample at concentrations ranging from 7.3 mg/kg to 8.0 mg/kg. Lead was detected in each sample at concentrations ranging from 5.2 mg/kg to 6.8 mg/kg. The highest concentration of arsenic was detected in composite sample SS-(13-16) and the highest concentration of lead was detected in sample SS-(5-8).

#### Silo Samples

DDT was detected in two of the five samples at concentrations ranging from 0.076 mg/kg to 0.090 mg/kg. DDE and DDD were not detected above laboratory reporting limits. Evaluating concentrations of DDT, DDE and DDD for hazardous waste purposes requires a summation of their respective concentrations. Summation of DDT, DDD and DDE concentrations for soil samples obtained from the site ranged from <0.075 to 0.090 mg/kg. Dieldrin, Toxaphene and Endosulfan I were not detected above laboratory reporting limits.

Arsenic was detected in each composite sample at concentrations ranging from 4.4 mg/kg to 5.1 mg/kg. Lead was detected in each sample at concentrations ranging from 11 mg/kg to 22 mg/kg.

#### Background Samples

In the four background samples collected (BG-1 through BG-4) arsenic was detected at concentrations ranging from 4.2 mg/kg to 6.1 mg/kg and lead was detected at concentrations ranging from 3.7 mg/kg to 5.4 mg/kg.

The complete analytical test results, chain-of-custody and laboratory quality control data for soil samples obtained from the site are included as Appendix A. The sample locations are shown on Figure 1.



## Conclusions and Recommendations

Arsenic and lead occur naturally in soil. Both arsenic and lead concentrations detected in surface soil samples collected at the site were below the range of the published regional background levels. A 1997 DTSC research paper, "Naturally Occurring Concentrations of Inorganic Chemicals in Soil," established background levels in shallow soils (less than 2.5 feet below surface grade) for naturally occurring arsenic and lead at 11 and 126 mg/kg, respectively. While the shallow arsenic levels fall below published regional background concentrations, they slightly exceeded the arsenic concentrations in the deeper "background" samples collected at the site.

Regulatory criteria for determining whether soils are to be classified as hazardous waste for disposal purposes based on their residual agricultural chemicals content are contained in Title 22, California Code of Regulations (CCR), Article 3, Section 66261.24, and are known as Total Threshold Limit Concentration (TTLC) values. The TTLC for arsenic is 500 mg/kg and for lead it is 1,000 mg/kg. The TTLC for the summation of DDT, DDD and DDE is 1.0 mg/kg. The TTLC for Dieldrin is 100 mg/kg, and 5.0 mg/kg for Toxaphene. Review of Table 1 reveals that the arsenic, lead, DDT/DDD/DDE, Dieldrin and Toxaphene concentrations are all below published Title 22, CCR levels. Based on these values, the soil would not be classified as hazardous waste if removal/relocation were required. However, a complete characterization (including additional soluble and total metals screening) would be required prior to undertaking a large-scale removal/relocation mitigation project.

The US EPA Region IX Residential Cancer-Based Preliminary Remedial Goal (PRG) for DDE and DDT is 1.7 mg/kg, and 2.4 mg/kg for DDD, while the PRG for Dieldrin is 0.03 mg/kg, 0.44 mg/kg for Toxaphene, and 370 mg/kg for Endosulfan I. Review of Table 1 reveals that the detected persistent pesticide residual concentrations for the samples were all below the health-based PRG value for residential development. Therefore, the levels of organochlorine pesticides detected in surface soils at the subject property should not require further assessment.

The US EPA Region IX Cancer-Based Preliminary Remedial Goal (PRG) for arsenic is 0.39 mg/kg, and 400 mg/kg for lead. PRGs are used as a screening tool to evaluate whether a particular site may require additional study or remediation due to potential chemicals of concern in soil. However, California has recently modified the PRG for lead to 150 mg/kg and for arsenic to 0.062 mg/kg (for the most restrictive residential land use). The difficulty with comparing sample result concentrations to



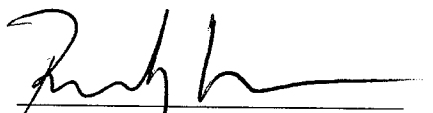
PRG values is that both federal and California-Modified PRGs are well below even naturally occurring levels for these metals.

Because the samples revealed arsenic concentrations above the EPA PRGs and the results slightly exceeded site background concentrations, further assessment, dependent upon planned future land use and/or regulatory review, may be required. If the site continues to be used for agriculture, the site may not require immediate attention. However, sensitive land uses such as residential housing, schools or wildlife mitigation may result in a requirement to remediate or evaluate through a risk assessment, the elevated arsenic soils.

### Limitations

The statements and conclusions in this report are based upon the scope of work described above and on observations made on the date of our fieldwork as specified herein. Our work was performed using a degree of skill consistent with that of competent environmental consulting firms performing similar work in the area. No recommendation is made as to the suitability of the property for any purpose. The results of our investigation do not preclude the possibility that materials currently, or in the future, defined as hazardous are present on the property. This report is applicable only to the investigated property and should not be used for any other property. No warranty is expressed or implied.

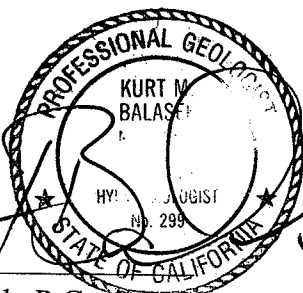
Wallace • Kuhl & Associates, Inc.

  
Randy L. Wheeler  
Senior Environmental Specialist

RLW:KMB:lmb

Attachments

N:\Dept7\6915.02 UCD West Village Phase 2

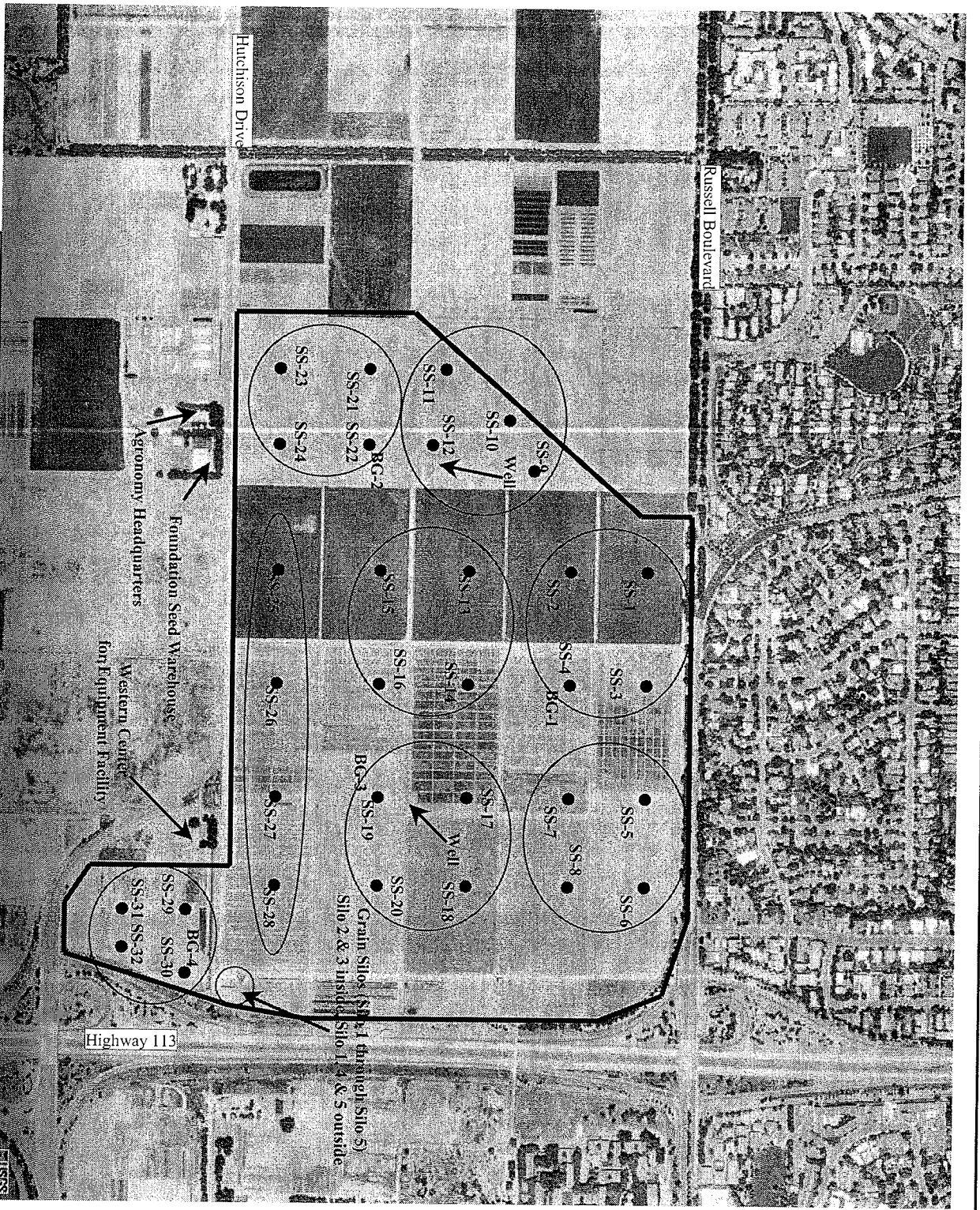
  
Kurt M. Balasek, P.G., C. H.G.  
Senior Hydrogeologist



**APPENDIX A**  
**LABORATORY DATA SHEET**



**WALLACE • KUHL  
& ASSOCIATES INC.**



● BG-2 Background Sample

○ Composite Samples.

Source: USGS Terraserver photograph



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# SAMPLE LOCATION MAP

UCD WEST VILLAGE PROPERTY  
Davis, California

FIGURE 1

DRAWN BY	RLW
CHECKED BY	RLW
PROJECT MGR	RLW
DATE	08/06

WKA NO. 6915.02



TABLE 1 SUMMARY OF SOIL ANALYSIS - 6915.02 UCD WEST VILLAGE PROPERTY											
EPA Method 8081A, Organochlorine Pesticides	Sample Identification									USEPA PRG* (Res)	DTSC Background**
	SS-(1-4)	SS-(5-8)	SS-(9-12)	SS-(13-16)	SS-(17-20)	SS-(21-24)	SS-(25-28)	SS-(29-32)	STLC/ TTL		
DDD	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.075	N/A	2.4	NA
DDE	<0.03	<b>0.038</b>	<0.03	<0.03	<b>0.072</b>	<0.03	<b>0.076</b>	<0.075	N/A	1.7	NA
DDT	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.075	N/A	1.7	NA
Sum of DDT, DDE and DDD	0.00	0.04	0.00	0.00	0.072	0.00	0.08	0.00	0.1 / 1.0	N/A	NA
Dieldrin	ND	<b>0.005</b>	<b>0.0042</b>	<b>0.012</b>	<b>0.020</b>	<b>0.014</b>	<b>0.0055</b>	<0.005	0.8 / 100	0.03	NA
Toxaphene	<b>0.150</b>	<b>0.130</b>	<b>0.130</b>	<b>0.170</b>	<b>0.140</b>	<b>0.110</b>	<b>0.180</b>	<0.10	0.5 / 5.0	0.44	NA
Endosulfan I	<0.03	<0.03	<0.03	<0.03	<b>0.110</b>	<0.03	<0.03	<0.075	N/A	370	NA
All other analytes	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	NA
Total Arsenic	8.0	7.9	7.3	8.0	7.4	7.8	7.6	7.4	5/500	0.39/0.062	11
Total Lead	5.2	6.8	6.0	5.4	6.0	6.6	6.2	6.5	5/1000	150	126

Notes: All concentrations in mg/kg except STLC, which is in mg/L

mg/kg and mg/L = parts per million, ppm

ND = not detected; N/A = not applicable

NA = not analyzed

\* October 2004 U.S. EPA *Memorandum* by Dr. Stan Smucker, "Preliminary Remedial Goals"; Residential

\*\*1997 Department of Toxic Substances Control (DTSC) research paper, "Naturally Occurring Concentrations of Inorganic Chemicals in Soil"

**TABLE 1**  
**SUMMARY OF SOIL ANALYSIS - 6915.02 UCD WEST VILLAGE PROPERTY**

EPA Method 8081A, Organochlorine Pesticides	Sample Identification										USEPA PRG* (Res)	DTSC Background**
	Silo 1	Silo 2	Silo 3	Silo 4	Silo 5	BG-1	BG-2	BG-3	BG-4	STLC/ TTLC		
DDD	<0.075	<0.075	<0.075	<0.075	<0.075	NA	NA	NA	NA	N/A	2.4	NA
DDE	<0.075	<0.075	<0.075	<0.075	<0.075	NA	NA	NA	NA	N/A	1.7	NA
DDT	<0.075	<b>0.076</b>	<0.075	<0.075	<b>0.090</b>	NA	NA	NA	NA	N/A	1.7	NA
Sum of DDT, DDE and DDD	0.00	0.08	0.00	0.00	0.090	0.00	0.00	0.00	0.00	0.1 / 1.0	N/A	NA
Dieldrin	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	0.8 / 100	0.03	NA
Toxaphene	<0.10	<0.10	<0.10	<0.10	<0.10	NA	NA	NA	NA	0.5 / 5.0	0.44	NA
Endosulfan I	<0.075	<0.075	<0.075	<0.075	<0.075	NA	NA	NA	NA	N/A	370	NA
All other analytes	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	NA
Total Arsenic	5.1	5	3.7	4.4	5.1	5.2	5.7	6.1	4.9	5/500	0.39/0.062	11
Total Lead	11	19	11	16.0	22	5.4	4.9	5.1	3.7	5/1000	150	126

Notes: All concentrations in mg/kg except STLC, which is in mg/L  
 mg/kg and mg/L = parts per million, ppm  
 ND = not detected; N/A = not applicable  
 NA = not analyzed

\* October 2004 U.S. EPA *Memorandum* by Dr. Stan Smucker, "Preliminary Remedial Goals"; Residential

\*\*1997 Department of Toxic Substances Control (DTSC) research paper, "Naturally Occurring Concentrations of Inorganic Chemicals in Soil"

# CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

August 07, 2006

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

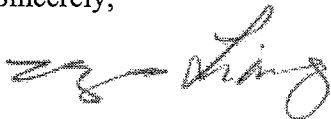
Randy Wheeler  
Wallace Kuhl & Associates- West Sacramento  
1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

**Project Name: UCD West Village**

Enclosed are the results of analyses for samples received by the laboratory on 07/25/06 14:30. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.  
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

# CALIFORNIA LABORATORY SERVICES

Page 2 of 24

08/07/06 08:41

Wallace Kuhl & Associates- West Sacramento  
1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

CLS - Labs		CHAIN OF CUSTODY		CLS ID No.: CP60796		LOG NO. 63658	
<b>REPORT TO:</b> NAME AND ADDRESS: WKA Phone: 6915-02 <b>PROJECT MANAGER:</b> PHONE# <b>PROJECT NAME:</b> UCP WWS Village <b>SAMPLED BY:</b> <b>JOB DESCRIPTION:</b>		<b>CLIENT JOB NUMBER:</b> 6915-02 <b>DESTINATION LABORATORY:</b> CLS (916) 538-7301 348 FITZGERALD RD. PACIFIC COASTAL, CA 95142 <input type="checkbox"/> OTHER		<b>ANALYSIS REQUESTED</b> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> UWS Composite  Aspenic  Lead </div>		<b>GEOTRACKER:</b> EDF REPORT <input type="checkbox"/> YES <input type="checkbox"/> NO <b>GLOBAL ID:</b> COMPOSITE: COMPOSITE 32 SAMPLES WWS For 8 SAMPLES For ANALYSIS <b>FIELD CONDITIONS:</b>	
<b>SITE LOCATION:</b>		<b>PRESERVATIVES</b> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> UWS Composite  Aspenic  Lead </div>		<b>TURN AROUND TIME</b> Day Day Day Day OR Alt ID:		<b>SPECIAL INSTRUCTIONS</b> OR Alt ID:	
DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	TYPE		
7-24-19	9:50	SS-13	Soil	3123	Soil	X	X
7-24-19	10:08	SS-14	Composite			4:1	
7-24-19	4:58	SS-15					
7-24-19	6:12	SS-16					
7-24-19	12:35	SS-17					
7-24-19	12:45	SS-18	Composite			4:1	
7-24-19	1:03	SS-19					
7-24-19	3:20	SS-20					
7-24-19	10:42	SS-21	Composite			4:1	
7-24-19	1:11	SS-22					
7-24-19	1:44	SS-23					
7-24-19	1:43	SS-24					
SUBMITTED COMMENTS:		PRESERVATIVES:		(1) HCL (2) HNO3	(3) H2O2 (4) NaOH	(5) H2SO4 (6) H2O2 (7) H2O	(8) H2O2 (9) H2O
RELINQUISHED BY (SIGN)		PRINT NAME / COMPANY		DATE / TIME		RECEIVED BY (SIGN)	
[Signature]		B. Thomas WKA		7-24-19 1700		[Signature]	
[Signature]		AS		7-25-19 0900		[Signature]	
[Signature]		[Signature]		7-25-19 1430		[Signature]	
RECD AT LAB BY:		DATE / TIME		SEND TO / COMMENTS			
[Signature]		7-25-19 1430					
SHIPPED BY:		FED X		UPS		OTHER	
						AIR BILL #	

CA DOHS ELAP Accreditation/Registration Number 1233

**3249 Fitzgerald Road Rancho Cordova, CA 95742**

**www.californialab.com**

**916-638-7301**

**Fax: 916-638-4510**

# CALIFORNIA LABORATORY SERVICES

Page 1 of 24

08/07/06 08:41

Wallace Kuhl & Associates- West Sacramento  
1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

CLS - Labs		Page 1 of 4		CHAIN OF CUSTODY		CLS ID No. CPG0796		LOG NO. 63657	
REPORT TO:			CLIENT JOB NUMBER		ANALYSIS REQUESTED			GEOTRACKER:	
NAME AND ADDRESS Wallace Kuhl Assoc. 3050 Industrial Blvd West Sacramento, CA Randy Wheeler UCD West Village Boyer Thomas Ph. 2 Sampling			6915.02					EDF REPORT <input type="checkbox"/> YES <input type="checkbox"/> NO	
FACILITY ADDRESS Randy Wheeler UCD West Village Boyer Thomas Ph. 2 Sampling			DESTINATION LABORATORY CLS (916) 836-7301 3445 FITZGERALD RD. RANCHO CORDOVA, CA 95742					GLOBAL ID:	
SITE LOCATION Davis			OTHER					COMPOSITE: COMPOSITE 32 Field Samples to 8 samples in Lab for analysis	
DATE			TIME		PRESERVATIVES			FIELD CONDITIONS	
2/24/06			11:5		SS-1			TURNAROUND TIME	
11:9			SS-2		SS-2			SPECIAL INSTRUCTIONS	
1:30			SS-3		SS-3			OR	
1:35			SS-4		SS-4			ALT. ID:	
12:12			SS-5		SS-5				
12:35			SS-6		SS-6				
12:15			SS-7		SS-7				
12:30			SS-8		SS-8				
10:41			SS-9		SS-9				
10:30			SS-10		SS-10				
10:35			SS-11		SS-11				
10:40			SS-12		SS-12				
SUSPECTED CONTAMINANTS			PRESERVATIVES		OTHER			OTHER	
RELINQUISHED BY (SIGN)			PRINT NAME / COMPANY		DATE / TIME			RECEIVED BY (SIGN)	
Boyer Thomas			WKA		7/24/06 11:5			Boyer Thomas	
Boyer Thomas			R2P		7/25/06 14:30			Boyer Thomas	
RECEIVED AT LAB BY			DATE / TIME		CONDITIONS / COMMENTS			AIR BILL #	
Joni			7-25-06 14:30						
SHIPPED BY			FED X		UPS			OTHER	

CA DOHS ELAP Accreditation/Registration Number 1233

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Fax: 916-638-4510



# CALIFORNIA LABORATORY SERVICES

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08/07/06 08:41

Wallace Kuhl & Associates- West Sacramento  
1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

**CLS - Labs** *P 344* **CHAIN OF CUSTODY** **CLS ID No.: CPG0796** **LOG NO. 63659**

<b>REPORT TO:</b> NAME AND ADDRESS <i>WKA P.O. Box 344</i>		<b>CLIENT JOB NUMBER</b>		<b>ANALYSIS REQUESTED</b>		<b>GEOTRACKER:</b> EDF REPORT <input type="checkbox"/> YES <input type="checkbox"/> NO GLOBAL ID:	
<b>PROJECT MANAGER</b> <i>WKA</i>		<b>DESTINATION LABORATORY</b> <input type="checkbox"/> CLS (916) 638-7301 3249 FITZGERALD RD RANCHO CORDOVA, CA 95742 <input type="checkbox"/> OTHER		<b>PRESERVATIVES</b> <i>As per project 700</i>		<b>COMPOSITE (WHEEL)</b> <i>52 SAMPLES OF 41-1 FOR 3 SAMPLES FOR ANALYSIS</i>	
<b>PROJECT NAME</b> <i>UCD West Village</i>		<b>DATE</b>		<b>TURN AROUND TIME</b>		<b>SPECIAL INSTRUCTIONS</b>	
<b>SAMPLED BY</b>		<b>TIME</b>		<b>DATE</b>		<b>ALT.</b>	
<b>JOB DESCRIPTION</b>		<b>IDENTIFICATION</b>		<b>MATRIX</b>		<b>ID</b>	
<b>SITE LOCATION</b>		<b>SAMPLE</b>		<b>CONTAINER</b>		<b>DATE</b>	
		<b>NO.</b>		<b>TYPE</b>		<b>DATE</b>	
		<b>DATE</b>		<b>TIME</b>		<b>DATE</b>	
		<b>TIME</b>		<b>DATE</b>		<b>DATE</b>	
		<b>DATE</b>		<b>TIME</b>		<b>DATE</b>	
		<b>TIME</b>		<b>DATE</b>		<b>DATE</b>	
		<b>DATE</b>		<b>TIME</b>		<b>DATE</b>	
		<b>TIME</b>		<b>DATE</b>		<b>DATE</b>	
		<b>DATE</b>		<b>TIME</b>		<b>DATE</b>	
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		<b>DATE</b>		<b>TIME</b>		<b>DATE</b>	
		<b>TIME</b>		<b>DATE</b>		<b>DATE</b>	
		<b>DATE</b>		<b>TIME</b>		<b>DATE</b>	
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		<b>DATE</b>		<b>TIME</b>		<b>DATE</b>	
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# CALIFORNIA LABORATORY SERVICES

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Wallace Kuhl & Associates- West Sacramento  
1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

CLS - Labs		CHAIN OF CUSTODY		CLS ID No.: CPG0796		LOG NO. 63660	
REPORT TO:		CLIENT JOB NUMBER		ANALYSIS REQUESTED		GEOTRACKER:	
NAME AND ADDRESS		6915.02				EDF REPORT <input type="checkbox"/> YES <input type="checkbox"/> NO	
Page 4 of 4		DESTINATION LABORATORY				GLOBAL ID:	
PROJECT MANAGER		CLS (916) 838-7301				COMPOSITE:	
PROJECT NAME		3249 FITZGERALD RD.				FIELD CONDITIONS:	
SAMPLED BY		RANCHO CORDOVA, CA				TURN AROUND TIME	
JOB DESCRIPTION		OTHER				SPECIAL INSTRUCTIONS	
SITE LOCATION						OR	
DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	TYPE	ALT.	ID
7/24/06	9:42	BG-1	Soil	1	9/100		
	14:21	BG-2					
	13:10	BG-3					
	11:45	BG-4					
SUSPECTED CONTAMINANTS		PRESERVATIVES		(1) NCL (2) INV.		(3) COLL (4) NASH	
FURNISHED BY (SIGN)		PRINT NAME / COMPANY		DATE / TIME		RECEIVED BY (SIGN)	
B. Thomas		WKA		7-24-06 1:00		Contract 07/24	
[Signature]		CLS		7/24/06 14:00			
RECEIVED AT LAB BY		DATE		CONDITIONS / COMMENTS			
Joni R		7-25-06 14:30					
SHIPPED BY		<input type="checkbox"/> FED X <input type="checkbox"/> UPS <input checked="" type="checkbox"/> OTHER		AIR BILL #			

CA DOHS ELAP Accreditation/Registration Number 1233

3249 Fitzgerald Road Rancho Cordova, CA 95742

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# CALIFORNIA LABORATORY SERVICES

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1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-(1-4) Composite (CPG0796-05) Soil Sampled: 07/24/06 00:00 Received: 07/25/06 14:30</b>									
Arsenic	8.0	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	5.2	2.5	"	1	"	"	07/31/06	EPA 6010B	
<b>SS-(5-8) Composite (CPG0796-10) Soil Sampled: 07/24/06 00:00 Received: 07/25/06 14:30</b>									
Arsenic	7.9	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	6.8	2.5	"	1	"	"	07/31/06	EPA 6010B	
<b>SS-(9-12) Composite (CPG0796-15) Soil Sampled: 07/24/06 00:00 Received: 07/25/06 14:30</b>									
Arsenic	7.3	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	6.0	2.5	"	1	"	"	07/31/06	EPA 6010B	
<b>SS-(13-16) Composite (CPG0796-20) Soil Sampled: 07/24/06 00:00 Received: 07/25/06 14:30</b>									
Arsenic	8.0	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	5.4	2.5	"	1	"	"	07/31/06	EPA 6010B	
<b>SS-(17-20) Composite (CPG0796-25) Soil Sampled: 07/24/06 00:00 Received: 07/25/06 14:30</b>									
Arsenic	7.4	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	6.0	2.5	"	1	"	"	07/31/06	EPA 6010B	
<b>SS-(21-24) Composite (CPG0796-30) Soil Sampled: 07/24/06 00:00 Received: 07/25/06 14:30</b>									
Arsenic	7.8	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	6.6	2.5	"	1	"	"	07/31/06	EPA 6010B	
<b>SS-(25-28) Composite (CPG0796-35) Soil Sampled: 07/24/06 00:00 Received: 07/25/06 14:30</b>									
Arsenic	7.6	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	6.2	2.5	"	1	"	"	07/31/06	EPA 6010B	

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1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-(29-32) Composite (CPG0796-40) Soil Sampled: 07/24/06 00:00 Received: 07/25/06 14:30</b>									
Arsenic	7.4	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	6.5	2.5	"	1	"	"	07/31/06	EPA 6010B	
<b>Silo-1 (CPG0796-41) Soil Sampled: 07/24/06 10:55 Received: 07/25/06 14:30</b>									
Arsenic	5.1	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	11	2.5	"	1	"	"	07/31/06	EPA 6010B	
<b>Silo-2 (CPG0796-42) Soil Sampled: 07/24/06 11:00 Received: 07/25/06 14:30</b>									
Arsenic	5.1	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	19	2.5	"	1	"	"	07/31/06	EPA 6010B	
<b>Silo-3 (CPG0796-43) Soil Sampled: 07/24/06 11:05 Received: 07/25/06 14:30</b>									
Arsenic	3.7	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	11	2.5	"	1	"	"	07/31/06	EPA 6010B	
<b>Silo-4 (CPG0796-44) Soil Sampled: 07/24/06 11:10 Received: 07/25/06 14:30</b>									
Arsenic	4.4	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	16	2.5	"	1	"	"	07/31/06	EPA 6010B	
<b>Silo-5 (CPG0796-45) Soil Sampled: 07/24/06 11:15 Received: 07/25/06 14:30</b>									
Arsenic	5.1	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	22	2.5	"	1	"	"	07/31/06	EPA 6010B	
<b>BG-1 (CPG0796-46) Soil Sampled: 07/24/06 09:42 Received: 07/25/06 14:30</b>									
Arsenic	5.2	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	5.4	2.5	"	1	"	"	08/01/06	EPA 6010B	

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1401 Halyard Drive, Suite 140  
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Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BG-2 (CPG0796-47) Soil</b> Sampled: 07/24/06 14:21    Received: 07/25/06 14:30									
Arsenic	5.7	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	4.9	2.5	"	1	"	"	08/01/06	EPA 6010B	
<b>BG-3 (CPG0796-48) Soil</b> Sampled: 07/24/06 13:10    Received: 07/25/06 14:30									
Arsenic	6.1	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	5.1	2.5	"	1	"	"	08/01/06	EPA 6010B	
<b>BG-4 (CPG0796-49) Soil</b> Sampled: 07/24/06 11:45    Received: 07/25/06 14:30									
Arsenic	4.9	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	3.7	2.5	"	1	"	"	08/01/06	EPA 6010B	

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Wallace Kuhl & Associates- West Sacramento  
1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-(1-4) Composite (CPG0796-05) Soil</b> Sampled: 07/24/06 00:00 Received: 07/25/06 14:30									
Aldrin	ND	2.0	µg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
alpha-BHC	ND	16	"	"	"	"	"	"	
beta-BHC	ND	20	"	"	"	"	"	"	
delta-BHC	ND	20	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	20	"	"	"	"	"	"	
Chlordane	ND	40	"	"	"	"	"	"	
4,4'-DDD	ND	30	"	"	"	"	"	"	
4,4'-DDE	ND	30	"	"	"	"	"	"	
4,4'-DDT	ND	30	"	"	"	"	"	"	
Dieldrin	ND	2.0	"	"	"	"	"	"	
Endosulfan I	ND	30	"	"	"	"	"	"	
Endosulfan II	ND	30	"	"	"	"	"	"	
Endosulfan sulfate	ND	30	"	"	"	"	"	"	
Endrin	ND	30	"	"	"	"	"	"	
Endrin aldehyde	ND	30	"	"	"	"	"	"	
Heptachlor	ND	20	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.0	"	"	"	"	"	"	
Kepone	ND	20	"	"	"	"	"	"	
Methoxychlor	ND	30	"	"	"	"	"	"	
Mirex	ND	20	"	"	"	"	"	"	
<b>Toxaphene</b>	<b>150</b>	<b>40</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	

Surrogate: Tetrachloro-meta-xylene

97.1 %

46-139

"

"

"

"

Surrogate: Decachlorobiphenyl

101 %

52-141

"

"

"

"

### SS-(5-8) Composite (CPG0796-10) Soil Sampled: 07/24/06 00:00 Received: 07/25/06 14:30

Aldrin	ND	2.0	µg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
alpha-BHC	ND	16	"	"	"	"	"	"	
beta-BHC	ND	20	"	"	"	"	"	"	
delta-BHC	ND	20	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	20	"	"	"	"	"	"	
Chlordane	ND	40	"	"	"	"	"	"	
4,4'-DDD	ND	30	"	"	"	"	"	"	
4,4'-DDE	38	30	"	"	"	"	"	"	
4,4'-DDT	ND	30	"	"	"	"	"	"	

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1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-(5-8) Composite (CPG0796-10) Soil</b> Sampled: 07/24/06 00:00 Received: 07/25/06 14:30									
<b>Dieldrin</b>	<b>5.0</b>	2.0	µg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
Endosulfan I	ND	30	"	"	"	"	"	"	
Endosulfan II	ND	30	"	"	"	"	"	"	
Endosulfan sulfate	ND	30	"	"	"	"	"	"	
Endrin	ND	30	"	"	"	"	"	"	
Endrin aldehyde	ND	30	"	"	"	"	"	"	
Heptachlor	ND	20	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.0	"	"	"	"	"	"	
Kepone	ND	20	"	"	"	"	"	"	
Methoxychlor	ND	30	"	"	"	"	"	"	
Mirex	ND	20	"	"	"	"	"	"	
<b>Toxaphene</b>	<b>130</b>	40	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene

97.1 %

46-139

"

"

"

"

Surrogate: Decachlorobiphenyl

99.0 %

52-141

"

"

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"

## SS-(9-12) Composite (CPG0796-15) Soil Sampled: 07/24/06 00:00 Received: 07/25/06 14:30

Aldrin	ND	2.0	µg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
alpha-BHC	ND	16	"	"	"	"	"	"	
beta-BHC	ND	20	"	"	"	"	"	"	
delta-BHC	ND	20	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	20	"	"	"	"	"	"	
Chlordane	ND	40	"	"	"	"	"	"	
4,4'-DDD	ND	30	"	"	"	"	"	"	
4,4'-DDE	ND	30	"	"	"	"	"	"	
4,4'-DDT	ND	30	"	"	"	"	"	"	
<b>Dieldrin</b>	<b>4.2</b>	2.0	"	"	"	"	"	"	
Endosulfan I	ND	30	"	"	"	"	"	"	
Endosulfan II	ND	30	"	"	"	"	"	"	
Endosulfan sulfate	ND	30	"	"	"	"	"	"	
Endrin	ND	30	"	"	"	"	"	"	
Endrin aldehyde	ND	30	"	"	"	"	"	"	
Heptachlor	ND	20	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.0	"	"	"	"	"	"	
Kepone	ND	20	"	"	"	"	"	"	

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1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-(9-12) Composite (CPG0796-15) Soil Sampled: 07/24/06 00:00 Received: 07/25/06 14:30</b>									
Methoxychlor	ND	30	µg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
Mirex	ND	20	"	"	"	"	"	"	
Toxaphene	130	40	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		98.1 %	46-139	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		96.2 %	52-141	"	"	"	"	"	
<b>SS-(13-16) Composite (CPG0796-20) Soil Sampled: 07/24/06 00:00 Received: 07/25/06 14:30</b>									
Aldrin	ND	2.0	µg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
alpha-BHC	ND	16	"	"	"	"	"	"	
beta-BHC	ND	20	"	"	"	"	"	"	
delta-BHC	ND	20	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	20	"	"	"	"	"	"	
Chlordane	ND	40	"	"	"	"	"	"	
4,4'-DDD	ND	30	"	"	"	"	"	"	
4,4'-DDE	ND	30	"	"	"	"	"	"	
4,4'-DDT	ND	30	"	"	"	"	"	"	
Dieldrin	12	2.0	"	"	"	"	"	"	
Endosulfan I	ND	30	"	"	"	"	"	"	
Endosulfan II	ND	30	"	"	"	"	"	"	
Endosulfan sulfate	ND	30	"	"	"	"	"	"	
Endrin	ND	30	"	"	"	"	"	"	
Endrin aldehyde	ND	30	"	"	"	"	"	"	
Heptachlor	ND	20	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.0	"	"	"	"	"	"	
Kepone	ND	20	"	"	"	"	"	"	
Methoxychlor	ND	30	"	"	"	"	"	"	
Mirex	ND	20	"	"	"	"	"	"	
Toxaphene	170	40	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		88.5 %	46-139	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		96.2 %	52-141	"	"	"	"	"	

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1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-(17-20) Composite (CPG0796-25) Soil</b> <b>Sampled: 07/24/06 00:00</b> <b>Received: 07/25/06 14:30</b>									
Aldrin	ND	2.0	µg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
alpha-BHC	ND	16	"	"	"	"	"	"	
beta-BHC	ND	20	"	"	"	"	"	"	
delta-BHC	ND	20	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	20	"	"	"	"	"	"	
Chlordane	ND	40	"	"	"	"	"	"	
4,4'-DDD	ND	30	"	"	"	"	"	"	
4,4'-DDE	72	70	"	10	"	"	"	"	
4,4'-DDT	ND	30	"	2	"	"	"	"	
Dieldrin	20	2.0	"	"	"	"	"	"	
Endosulfan I	110	100	"	10	"	"	"	"	
Endosulfan II	ND	30	"	2	"	"	"	"	
Endosulfan sulfate	ND	30	"	"	"	"	"	"	
Endrin	ND	30	"	"	"	"	"	"	
Endrin aldehyde	ND	30	"	"	"	"	"	"	
Heptachlor	ND	20	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.0	"	"	"	"	"	"	
Kepone	ND	20	"	"	"	"	"	"	
Methoxychlor	ND	30	"	"	"	"	"	"	
Mirex	ND	20	"	"	"	"	"	"	
Toxaphene	140	40	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene

101 %    46-139

"    "    "    "

Surrogate: Decachlorobiphenyl

105 %    52-141

"    "    "    "

### SS-(21-24) Composite (CPG0796-30) Soil    **Sampled: 07/24/06 00:00**    **Received: 07/25/06 14:30**

Aldrin	ND	2.0	µg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
alpha-BHC	ND	16	"	"	"	"	"	"	
beta-BHC	ND	20	"	"	"	"	"	"	
delta-BHC	ND	20	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	20	"	"	"	"	"	"	
Chlordane	ND	40	"	"	"	"	"	"	
4,4'-DDD	ND	30	"	"	"	"	"	"	
4,4'-DDE	ND	30	"	"	"	"	"	"	
4,4'-DDT	ND	30	"	"	"	"	"	"	

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1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-(21-24) Composite (CPG0796-30) Soil</b> Sampled: 07/24/06 00:00 Received: 07/25/06 14:30									
<b>Dieldrin</b>	<b>14</b>	2.0	µg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
Endosulfan I	ND	30	"	"	"	"	"	"	
Endosulfan II	ND	30	"	"	"	"	"	"	
Endosulfan sulfate	ND	30	"	"	"	"	"	"	
Endrin	ND	30	"	"	"	"	"	"	
Endrin aldehyde	ND	30	"	"	"	"	"	"	
Heptachlor	ND	20	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.0	"	"	"	"	"	"	
Kepone	ND	20	"	"	"	"	"	"	
Methoxychlor	ND	30	"	"	"	"	"	"	
Mirex	ND	20	"	"	"	"	"	"	
<b>Toxaphene</b>	<b>110</b>	40	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene

109 %

46-139

"

"

"

"

Surrogate: Decachlorobiphenyl

103 %

52-141

"

"

"

"

## SS-(25-28) Composite (CPG0796-35) Soil Sampled: 07/24/06 00:00 Received: 07/25/06 14:30

Aldrin	ND	2.0	µg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
alpha-BHC	ND	16	"	"	"	"	"	"	
beta-BHC	ND	20	"	"	"	"	"	"	
delta-BHC	ND	20	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	20	"	"	"	"	"	"	
Chlordane	ND	40	"	"	"	"	"	"	
4,4'-DDD	ND	30	"	"	"	"	"	"	
<b>4,4'-DDE</b>	<b>76</b>	70	"	20	"	"	"	"	
4,4'-DDT	ND	30	"	2	"	"	"	"	
<b>Dieldrin</b>	<b>5.5</b>	2.0	"	"	"	"	"	"	
Endosulfan I	ND	30	"	"	"	"	"	"	
Endosulfan II	ND	30	"	"	"	"	"	"	
Endosulfan sulfate	ND	30	"	"	"	"	"	"	
Endrin	ND	30	"	"	"	"	"	"	
Endrin aldehyde	ND	30	"	"	"	"	"	"	
Heptachlor	ND	20	"	"	"	"	"	"	
Heptachlor epoxide	ND	8.0	"	"	"	"	"	"	
Kepone	ND	20	"	"	"	"	"	"	

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Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-(25-28) Composite (CPG0796-35) Soil</b> <b>Sampled: 07/24/06 00:00</b> <b>Received: 07/25/06 14:30</b>									
Methoxychlor	ND	30	µg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
Mirex	ND	20	"	"	"	"	"	"	
Toxaphene	180	40	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		98.1 %	46-139	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		97.1 %	52-141	"	"	"	"	"	
<b>SS-(29-32) Composite (CPG0796-40) Soil</b> <b>Sampled: 07/24/06 00:00</b> <b>Received: 07/25/06 14:30</b>									
Aldrin	ND	5.0	µg/kg	5	CP05630	07/28/06	07/31/06	EPA 8081A	
alpha-BHC	ND	40	"	"	"	"	"	"	
beta-BHC	ND	50	"	"	"	"	"	"	
delta-BHC	ND	50	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	
Chlordane	ND	100	"	"	"	"	"	"	
4,4'-DDD	ND	75	"	"	"	"	"	"	
4,4'-DDE	ND	75	"	"	"	"	"	"	
4,4'-DDT	ND	75	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	75	"	"	"	"	"	"	
Endosulfan II	ND	75	"	"	"	"	"	"	
Endosulfan sulfate	ND	75	"	"	"	"	"	"	
Endrin	ND	75	"	"	"	"	"	"	
Endrin aldehyde	ND	75	"	"	"	"	"	"	
Heptachlor	ND	50	"	"	"	"	"	"	
Heptachlor epoxide	ND	20	"	"	"	"	"	"	
Kepone	ND	50	"	"	"	"	"	"	
Methoxychlor	ND	75	"	"	"	"	"	"	
Mirex	ND	50	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		71.2 %	46-139	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		75.5 %	52-141	"	"	"	"	"	

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1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Silo-1 (CPG0796-41) Soil Sampled: 07/24/06 10:55 Received: 07/25/06 14:30</b>									
Aldrin	ND	5.0	µg/kg	5	CP05630	07/28/06	07/31/06	EPA 8081A	
alpha-BHC	ND	40	"	"	"	"	"	"	
beta-BHC	ND	50	"	"	"	"	"	"	
delta-BHC	ND	50	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	
Chlordane	ND	100	"	"	"	"	"	"	
4,4'-DDD	ND	75	"	"	"	"	"	"	
4,4'-DDE	ND	75	"	"	"	"	"	"	
4,4'-DDT	ND	75	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	75	"	"	"	"	"	"	
Endosulfan II	ND	75	"	"	"	"	"	"	
Endosulfan sulfate	ND	75	"	"	"	"	"	"	
Endrin	ND	75	"	"	"	"	"	"	
Endrin aldehyde	ND	75	"	"	"	"	"	"	
Heptachlor	ND	50	"	"	"	"	"	"	
Heptachlor epoxide	ND	20	"	"	"	"	"	"	
Kepone	ND	50	"	"	"	"	"	"	
Methoxychlor	ND	75	"	"	"	"	"	"	
Mirex	ND	50	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene

91.3 % 46-139

" " " "

Surrogate: Decachlorobiphenyl

83.7 % 52-141

" " " "

### Silo-2 (CPG0796-42) Soil Sampled: 07/24/06 11:00 Received: 07/25/06 14:30

Aldrin	ND	5.0	µg/kg	5	CP05630	07/28/06	07/31/06	EPA 8081A	
alpha-BHC	ND	40	"	"	"	"	"	"	
beta-BHC	ND	50	"	"	"	"	"	"	
delta-BHC	ND	50	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	
Chlordane	ND	100	"	"	"	"	"	"	
4,4'-DDD	ND	75	"	"	"	"	"	"	
4,4'-DDE	ND	75	"	"	"	"	"	"	
4,4'-DDT	76	75	"	"	"	"	"	"	

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Wallace Kuhl & Associates- West Sacramento  
1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Silo-2 (CPG0796-42) Soil Sampled: 07/24/06 11:00 Received: 07/25/06 14:30</b>									
Dieldrin	ND	5.0	µg/kg	5	CP05630	07/28/06	07/31/06	EPA 8081A	
Endosulfan I	ND	75	"	"	"	"	"	"	
Endosulfan II	ND	75	"	"	"	"	"	"	
Endosulfan sulfate	ND	75	"	"	"	"	"	"	
Endrin	ND	75	"	"	"	"	"	"	
Endrin aldehyde	ND	75	"	"	"	"	"	"	
Heptachlor	ND	50	"	"	"	"	"	"	
Heptachlor epoxide	ND	20	"	"	"	"	"	"	
Kepone	ND	50	"	"	"	"	"	"	
Methoxychlor	ND	75	"	"	"	"	"	"	
Mirex	ND	50	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene

100 % 46-139

" " " "

Surrogate: Decachlorobiphenyl

168 % 52-141

" " " "

QS-4

### Silo-3 (CPG0796-43) Soil Sampled: 07/24/06 11:05 Received: 07/25/06 14:30

Aldrin	ND	5.0	µg/kg	5	CP05630	07/28/06	07/31/06	EPA 8081A	
alpha-BHC	ND	40	"	"	"	"	"	"	
beta-BHC	ND	50	"	"	"	"	"	"	
delta-BHC	ND	50	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	
Chlordane	ND	100	"	"	"	"	"	"	
4,4'-DDD	ND	75	"	"	"	"	"	"	
4,4'-DDE	ND	75	"	"	"	"	"	"	
4,4'-DDT	ND	75	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	75	"	"	"	"	"	"	
Endosulfan II	ND	75	"	"	"	"	"	"	
Endosulfan sulfate	ND	75	"	"	"	"	"	"	
Endrin	ND	75	"	"	"	"	"	"	
Endrin aldehyde	ND	75	"	"	"	"	"	"	
Heptachlor	ND	50	"	"	"	"	"	"	
Heptachlor epoxide	ND	20	"	"	"	"	"	"	
Kepone	ND	50	"	"	"	"	"	"	

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1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Silo-3 (CPG0796-43) Soil Sampled: 07/24/06 11:05 Received: 07/25/06 14:30</b>									
Methoxychlor	ND	75	µg/kg	5	CP05630	07/28/06	07/31/06	EPA 8081A	
Mirex	ND	50	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene 96.2 % 46-139 " " " "

Surrogate: Decachlorobiphenyl 92.8 % 52-141 " " " "

**Silo-4 (CPG0796-44) Soil Sampled: 07/24/06 11:10 Received: 07/25/06 14:30**

QRL-5

Aldrin	ND	20	µg/kg	20	CP05630	07/28/06	07/31/06	EPA 8081A	
alpha-BHC	ND	90	"	"	"	"	"	"	
beta-BHC	ND	200	"	"	"	"	"	"	
delta-BHC	ND	200	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	200	"	"	"	"	"	"	
Chlordane	ND	400	"	"	"	"	"	"	
4,4'-DDD	ND	300	"	"	"	"	"	"	
4,4'-DDE	ND	300	"	"	"	"	"	"	
4,4'-DDT	ND	300	"	"	"	"	"	"	
Dieldrin	ND	20	"	"	"	"	"	"	
Endosulfan I	ND	240	"	"	"	"	"	"	
Endosulfan II	ND	110	"	"	"	"	"	"	
Endosulfan sulfate	ND	300	"	"	"	"	"	"	
Endrin	ND	300	"	"	"	"	"	"	
Endrin aldehyde	ND	300	"	"	"	"	"	"	
Heptachlor	ND	110	"	"	"	"	"	"	
Heptachlor epoxide	ND	50	"	"	"	"	"	"	
Kepone	ND	200	"	"	"	"	"	"	
Methoxychlor	ND	300	"	"	"	"	"	"	
Mirex	ND	200	"	"	"	"	"	"	
Toxaphene	ND	400	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene 52.4 % 46-139 " " " "

Surrogate: Decachlorobiphenyl 91.3 % 52-141 " " " "

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1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Silo-5 (CPG0796-45) Soil Sampled: 07/24/06 11:15 Received: 07/25/06 14:30									
Aldrin	ND	5.0	µg/kg	5	CP05630	07/28/06	07/31/06	EPA 8081A	
alpha-BHC	ND	40	"	"	"	"	"	"	
beta-BHC	ND	50	"	"	"	"	"	"	
delta-BHC	ND	50	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	
Chlordane	ND	100	"	"	"	"	"	"	
4,4'-DDD	ND	75	"	"	"	"	"	"	
4,4'-DDE	ND	75	"	"	"	"	"	"	
4,4'-DDT	90	75	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	75	"	"	"	"	"	"	
Endosulfan II	ND	75	"	"	"	"	"	"	
Endosulfan sulfate	ND	75	"	"	"	"	"	"	
Endrin	ND	75	"	"	"	"	"	"	
Endrin aldehyde	ND	75	"	"	"	"	"	"	
Heptachlor	ND	50	"	"	"	"	"	"	
Heptachlor epoxide	ND	20	"	"	"	"	"	"	
Kepone	ND	50	"	"	"	"	"	"	
Methoxychlor	ND	75	"	"	"	"	"	"	
Mirex	ND	50	"	"	"	"	"	"	
Toxaphene	ND	100	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		88.9 %	46-139		"	"	"	"	
Surrogate: Decachlorobiphenyl		84.6 %	52-141		"	"	"	"	

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1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch CP05683 - EPA 3050B</b>										
<b>Blank (CP05683-BLK1)</b>										
				Prepared & Analyzed: 07/31/06						
Lead	ND	2.5	mg/kg							
Arsenic	ND	1.0	"							
<b>LCS (CP05683-BS1)</b>										
				Prepared & Analyzed: 07/31/06						
Lead	10.2	2.5	mg/kg	10.0		102	75-125		25	
Arsenic	9.40	1.0	"	10.0		94.0	75-125		25	
<b>LCS Dup (CP05683-BSD1)</b>										
				Prepared & Analyzed: 07/31/06						
Lead	9.94	2.5	mg/kg	10.0		99.4	75-125	2.58	25	
Arsenic	9.56	1.0	"	10.0		95.6	75-125	1.69	25	
<b>Matrix Spike (CP05683-MS1)</b>										
			Source: CPG0796-05		Prepared & Analyzed: 07/31/06					
Lead	14.3	2.5	mg/kg	10.0	5.2	91.0	75-125		30	
Arsenic	15.5	1.0	"	10.0	8.0	75.0	75-125		30	
<b>Matrix Spike Dup (CP05683-MSD1)</b>										
			Source: CPG0796-05		Prepared & Analyzed: 07/31/06					
Lead	15.0	2.5	mg/kg	10.0	5.2	98.0	75-125	4.78	30	
Arsenic	15.1	1.0	"	10.0	8.0	71.0	75-125	2.61	30	QM-5

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West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch CP05612 - LUFT-DHS GCNV

#### Blank (CP05612-BLK1)

Prepared: 07/27/06 Analyzed: 08/01/06

Aldrin	ND	1.0	µg/kg
alpha-BHC	ND	8.0	"
beta-BHC	ND	10	"
delta-BHC	ND	10	"
gamma-BHC (Lindane)	ND	10	"
Chlordane	ND	20	"
4,4'-DDD	ND	15	"
4,4'-DDE	ND	15	"
4,4'-DDT	ND	15	"
Dieldrin	ND	1.0	"
Endosulfan I	ND	15	"
Endosulfan II	ND	15	"
Endosulfan sulfate	ND	15	"
Endrin	ND	15	"
Endrin aldehyde	ND	15	"
Heptachlor	ND	10	"
Heptachlor epoxide	ND	4.0	"
Kepone	ND	10	"
Methoxychlor	ND	15	"
Mirex	ND	10	"
Toxaphene	ND	20	"

Surrogate: Tetrachloro-meta-xylene

9.30

"

8.33

112

46-139

Surrogate: Decachlorobiphenyl

9.44

"

8.33

113

52-141

#### LCS (CP05612-BS1)

Prepared: 07/27/06 Analyzed: 08/01/06

Aldrin	16.5	1.0	µg/kg	16.7	98.8	47-132	30
gamma-BHC (Lindane)	17.1	10	"	16.7	102	56-133	30
4,4'-DDT	18.9	15	"	16.7	113	46-137	30
Dieldrin	16.4	1.0	"	16.7	98.2	44-143	30
Endrin	17.3	15	"	16.7	104	30-147	30
Heptachlor	13.6	10	"	16.7	81.4	33-148	30

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Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch CP05612 - LUFT-DHS GCNV

#### LCS (CP05612-BS1)

Prepared: 07/27/06 Analyzed: 08/01/06

Surrogate: Tetrachloro-meta-xylene	8.70		µg/kg	8.33		104	46-139			
Surrogate: Decachlorobiphenyl	9.50		"	8.33		114	52-141			

#### LCS Dup (CP05612-BS1)

Prepared: 07/27/06 Analyzed: 08/01/06

Aldrin	17.2	1.0	µg/kg	16.7		103	47-132	4.15	30	
gamma-BHC (Lindane)	17.8	10	"	16.7		107	56-133	4.01	30	
4,4'-DDT	20.1	15	"	16.7		120	46-137	6.15	30	
Dieldrin	17.1	1.0	"	16.7		102	44-143	4.18	30	
Endrin	18.2	15	"	16.7		109	30-147	5.07	30	
Heptachlor	14.2	10	"	16.7		85.0	33-148	4.32	30	
Surrogate: Tetrachloro-meta-xylene	9.07		"	8.33		109	46-139			
Surrogate: Decachlorobiphenyl	9.78		"	8.33		117	52-141			

#### Matrix Spike (CP05612-MS1)

Source: CPG0778-13

Prepared: 07/27/06 Analyzed: 08/01/06

Aldrin	15.6	5.0	µg/kg	16.7	ND	93.4	47-138		35	
gamma-BHC (Lindane)	16.4	50	"	16.7	ND	98.2	38-144		35	
4,4'-DDT	14.2	75	"	16.7	ND	85.0	41-157		35	
Dieldrin	15.3	5.0	"	16.7	ND	91.6	46-155		35	
Endrin	18.5	75	"	16.7	ND	111	34-149		35	
Heptachlor	11.8	50	"	16.7	ND	70.7	36-155		35	
Surrogate: Tetrachloro-meta-xylene	21.1		"	20.8		101	46-139			
Surrogate: Decachlorobiphenyl	20.9		"	20.8		100	52-141			

#### Matrix Spike Dup (CP05612-MS1)

Source: CPG0778-13

Prepared: 07/27/06 Analyzed: 08/01/06

Aldrin	15.9	5.0	µg/kg	16.7	ND	95.2	47-138	1.90	35	
gamma-BHC (Lindane)	16.1	50	"	16.7	ND	96.4	38-144	1.85	35	
4,4'-DDT	14.1	75	"	16.7	ND	84.4	41-157	0.707	35	
Dieldrin	15.0	5.0	"	16.7	ND	89.8	46-155	1.98	35	
Endrin	18.2	75	"	16.7	ND	109	34-149	1.63	35	
Heptachlor	11.7	50	"	16.7	ND	70.1	36-155	0.851	35	
Surrogate: Tetrachloro-meta-xylene	20.9		"	20.8		100	46-139			

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1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch CP05612 - LUFT-DHS GCNV

#### Matrix Spike Dup (CP05612-MSD1)

Source: CPG0778-13

Prepared: 07/27/06 Analyzed: 08/01/06

Surrogate: Decachlorobiphenyl	20.9	µg/kg	20.8	100	52-141
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### Batch CP05630 - LUFT-DHS GCNV

#### Blank (CP05630-BLK1)

Prepared & Analyzed: 07/28/06

Aldrin	ND	1.0	µg/kg							
alpha-BHC	ND	8.0	"							
beta-BHC	ND	10	"							
delta-BHC	ND	10	"							
gamma-BHC (Lindane)	ND	10	"							
Chlordane	ND	20	"							
4,4'-DDD	ND	15	"							
4,4'-DDE	ND	15	"							
4,4'-DDT	ND	15	"							
Dieldrin	ND	1.0	"							
Endosulfan I	ND	15	"							
Endosulfan II	ND	15	"							
Endosulfan sulfate	ND	15	"							
Endrin	ND	15	"							
Endrin aldehyde	ND	15	"							
Heptachlor	ND	10	"							
Heptachlor epoxide	ND	4.0	"							
Kepone	ND	10	"							
Methoxychlor	ND	15	"							
Mirex	ND	10	"							
Toxaphene	ND	20	"							
Surrogate: Tetrachloro-meta-xylene	7.02	"	8.33	84.3	46-139					
Surrogate: Decachlorobiphenyl	6.89	"	8.33	82.7	52-141					

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Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch CP05630 - LUFT-DHS GCNV

#### LCS (CP05630-BS1)

Prepared & Analyzed: 07/28/06

Aldrin	15.6	1.0	µg/kg	16.7		93.4	47-132		30	
gamma-BHC (Lindane)	15.1	10	"	16.7		90.4	56-133		30	
4,4'-DDT	19.3	15	"	16.7		116	46-137		30	
Dieldrin	15.8	1.0	"	16.7		94.6	44-143		30	
Endrin	16.7	15	"	16.7		100	30-147		30	
Heptachlor	16.6	10	"	16.7		99.4	33-148		30	
Surrogate: Tetrachloro-meta-xylene	8.16		"	8.33		98.0	46-139			
Surrogate: Decachlorobiphenyl	8.22		"	8.33		98.7	52-141			

#### LCS Dup (CP05630-BS1)

Prepared & Analyzed: 07/28/06

Aldrin	16.7	1.0	µg/kg	16.7		100	47-132	6.81	30	
gamma-BHC (Lindane)	16.0	10	"	16.7		95.8	56-133	5.79	30	
4,4'-DDT	20.5	15	"	16.7		123	46-137	6.03	30	
Dieldrin	16.7	1.0	"	16.7		100	44-143	5.54	30	
Endrin	17.7	15	"	16.7		106	30-147	5.81	30	
Heptachlor	17.6	10	"	16.7		105	33-148	5.85	30	
Surrogate: Tetrachloro-meta-xylene	8.77		"	8.33		105	46-139			
Surrogate: Decachlorobiphenyl	8.70		"	8.33		104	52-141			

#### Matrix Spike (CP05630-MS1)

Source: CPG0804-01

Prepared & Analyzed: 07/28/06

Aldrin	12.1	5.0	µg/kg	16.7	ND	72.5	47-138		35	
gamma-BHC (Lindane)	12.1	50	"	16.7	ND	72.5	38-144		35	
4,4'-DDT	15.7	75	"	16.7	3.4	73.7	41-157		35	
Dieldrin	12.3	5.0	"	16.7	ND	73.7	46-155		35	
Endrin	13.2	75	"	16.7	ND	79.0	34-149		35	
Heptachlor	12.8	50	"	16.7	ND	76.6	36-155		35	
Surrogate: Tetrachloro-meta-xylene	18.2		"	20.8		87.5	46-139			
Surrogate: Decachlorobiphenyl	16.7		"	20.8		80.3	52-141			

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1401 Halyard Drive, Suite 140  
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Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

CLS Work Order #: CPG0796  
COC #: 63657,58,59,60

## Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch CP05630 - LUFT-DHS GCNV

Matrix Spike Dup (CP05630-MSD1)	Source: CPG0804-01			Prepared & Analyzed: 07/28/06						
Aldrin	11.5	5.0	µg/kg	16.7	ND	68.9	47-138	5.08	35	
gamma-BHC (Lindane)	11.6	50	"	16.7	ND	69.5	38-144	4.22	35	
4,4'-DDT	14.4	75	"	16.7	3.4	65.9	41-157	8.64	35	
Dieldrin	11.7	5.0	"	16.7	ND	70.1	46-155	5.00	35	
Endrin	12.5	75	"	16.7	ND	74.9	34-149	5.45	35	
Heptachlor	12.2	50	"	16.7	ND	73.1	36-155	4.80	35	
Surrogate: Tetrachloro-meta-xylene	17.5		"	20.8		84.1	46-139			
Surrogate: Decachlorobiphenyl	15.6		"	20.8		75.0	52-141			

CA DOHS ELAP Accreditation/Registration Number 1233

3249 Fitzgerald Road Rancho Cordova, CA 95742

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916-638-7301

Fax: 916-638-4510

# CALIFORNIA LABORATORY SERVICES

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08/07/06 08:41

Wallace Kuhl & Associates- West Sacramento  
1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691

Project: UCD West Village  
Project Number: 6915.02  
Project Manager: Randy Wheeler

**CLS Work Order #: CPG0796**  
COC #: 63657,58,59,60

## Notes and Definitions

- QS-4 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QRL-5 The sample was diluted due to the presence of high levels of non-target analytes or matrix interference resulting in elevated reporting limits.
- QM-5 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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916-638-7301

Fax: 916-638-4510

24/4

CLP ID No.: \_\_\_\_\_

LOG NO. 63660

[illegible]

REPORT TO:		CLIENT JOB NUMBER		ANALYSIS REQUESTED		GEOTRACKER:				
NAME AND ADDRESS		6415.02				EDF REPORT <input type="checkbox"/> YES <input type="checkbox"/> NO				
PROJECT MANAGER		DESTINATION LABORATORY				GLOBAL ID: _____				
PROJECT NAME		<input checked="" type="checkbox"/> CLS (916) 638-7301 3249 FITZGERALD RD. RANCHO CORDOVA, CA. 95742				COMPOSITE: <i>Composite 32 Samples 4:1 For 8 Samples For Analysis</i>				
SAMPLED BY		<input type="checkbox"/> OTHER				FIELD CONDITIONS:				
JOB DESCRIPTION						TURN AROUND TIME				
SITE LOCATION						SPECIAL INSTRUCTIONS				
DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	TYPE	1 DAY	2 DAY	5 DAY	10 DAY	OR
7-24-06	950	SS-13	Soil	1	GLASS JAR	X	X	X		
	1008	SS-14								
	958	SS-15								
	1012	SS-16								
	1236	SS-17								
	1245	SS-18								
	1303	SS-19								
	1320	SS-20								
	1402	SS-21								
	1411	SS-22								
	1448	SS-23								
	1435	SS-24								
SUSPECTED CONSTITUENTS						PRESERVATIVES: (1) HCL (2) HNO <sub>3</sub> (3) = COLD (4) = NaOH (5) = H <sub>2</sub> SO <sub>4</sub> (6) = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (7) =				
RELINQUISHED BY (SIGN)		PRINT NAME / COMPANY		DATE / TIME		RECEIVED BY (SIGN)		PRINT NAME / COMPANY		
<i>[Signature]</i>		B. Thomas WKA		7-24-06 1700		<i>[Signature]</i>		Tom R. [Signature]		
				7/24/06 1700						
REC'D AT LAB BY:		DATE / TIME:		CONDITIONS / COMMENTS:						
SHIPPED BY:		<input type="checkbox"/> FED X <input type="checkbox"/> UPS <input type="checkbox"/> OTHER		AIR BILL #						



CLs - Labs

Page 1 of 4

## CHAIN OF CUSTODY

CLs ID No.:

LOG NO. 63657

## REPORT TO:

NAME AND ADDRESS

WALTON - KUM ASSOC.

3050 Millstone Blvd

W. Sacramento, CA

PROJECT MANAGER

PHONE#

PROJECT NAME

SAMPLED BY

JOB DESCRIPTION

SITE LOCATION

CLIENT JOB NUMBER

6915.02

DESTINATION LABORATORY



CLs (916) 638-7301

3249 FITZGERALD RD.  
RANCHO CORDOVA, CA.  
95742

OTHER

## ANALYSIS REQUESTED

PRESERVATIVES

Al 3008  
Pb 1700  
Cu 1700  
Mn 1700  
Zn 1700  
Cd 1700  
Co 1700  
Ni 1700  
Cr 1700  
Mg 1700  
Fe 1700  
Ca 1700  
Na 1700  
K 1700  
Si 1700  
Ti 1700  
V 1700  
W 1700  
Y 1700  
Zr 1700  
Nb 1700  
Mo 1700  
Ru 1700  
Rh 1700  
Pd 1700  
Ag 1700  
Au 1700  
Pt 1700  
Ba 1700  
Sr 1700  
La 1700  
Ce 1700  
Pr 1700  
Nd 1700  
Pm 1700  
Sm 1700  
Eu 1700  
Gd 1700  
Tb 1700  
Dy 1700  
Ho 1700  
Er 1700  
Tm 1700  
Yb 1700  
Lu 1700  
Hf 1700  
Ta 1700  
W 1700  
Re 1700  
Os 1700  
Ir 1700  
Pt 1700  
Au 1700  
Hg 1700  
Tl 1700  
Pb 1700  
Bi 1700  
Po 1700  
At 1700  
Rn 1700  
Fr 1700  
Ra 1700  
Ac 1700  
Th 1700  
Pa 1700  
U 1700  
Np 1700  
Pu 1700  
Am 1700  
Cm 1700  
Bk 1700  
Cf 1700  
Es 1700  
Fm 1700  
Md 1700  
No 1700  
Lr 1700

## GEOTRACKER:

EDF REPORT ☐ YES ☐ NO

GLOBAL ID: \_\_\_\_\_

COMPOSITE: Composite 32 Field Samples  
to 8 Samples in Lab for analysis

FIELD CONDITIONS:

## TURN AROUND TIME

## SPECIAL INSTRUCTIONS

1 DAY

2 DAY

5 DAY

10 DAY

OR

ALT.

ID:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER	
				NO.	TYPE
7/24/06	9:15	SS-1	Soil	1	Glass Jar
	9:19	SS-2			
	9:30	SS-3			
	9:35	SS-4			
	12:12	SS-5			
	12:25	SS-6			
	12:15	SS-7			
	12:30	SS-8			
	10:24	SS-9			
	10:30	SS-10			
	10:35	SS-11			
	10:40	SS-12			

SUSPECTED CONSTITUENTS

PRESERVATIVES:

(1) HCL  
(2) HNO<sub>3</sub>(3) = COLD  
(4) = NaOH(5) = H<sub>2</sub>SO<sub>4</sub>  
(6) = Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub>

(7) =

RELINQUISHED BY (SIGN)

PRINT NAME / COMPANY

DATE / TIME

RECEIVED BY (SIGN)

PRINT NAME / COMPANY

REC'D AT LAB BY:

DATE / TIME:

CONDITIONS / COMMENTS:

SHIPPED BY:



FED X



UPS



OTHER

AIR BILL #