PHASE 2 ENVIRONMENTAL SITE ASSESSMENT

UCE WEST VILLAGE PROPERTY DAVIS, CALIFORNIA

WKA No. 6915.02





August 10, 2006

Geotechnical Engineering

Mr. Rob DeWaters

Engineering Geology

West Village Community Partnership, LLC

1000 Sansome Street, Suite 180

San Francisco, California 94111

Remediation Services

Environmental Consulting

Phase 2 Environmental Site Assessment Report

Construction Inspection

Materials Testing

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.

CORPORATE OFFICE

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:

3050 Industrial Boulevard West Sacramento CA 95691 Tel 916.372.1434 Fax 916.372.2565

Coordinated with the UCD Regional Notification Center to establish locations of subterranean structures on the site prior to hand sampling

ROCKLIN OFFICE

Collected one 4-point composite sample per each 25-acres (collect 32 discrete samples and composite into 8 for analysis)

500 Menlo Drive Suite 100 Rocklin, CA 95765 Tel 916.435.9722 Fax 916.435.9822

Collected four background samples to five fee below ground surface

STOCKTON OFFICE

Collected discrete samples in the vicinity of the grain silos

3410 West Hammer Lane Suite F Stockton, CA 95219 Tel 209.234.7722 Fax 209.234.7727

Phase 2 Environmental Site Assessment
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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



основника выполня на применения выстра на применения выполня на пр	Phase 2 Environmental Site Assessment UCD West Village Property WKA No. 6915.02	Page 3 August 10, 2006
The second secon	concentrations of DDT, DDE and DDD for hazardous waste purposes require respective concentrations. Summation of DDT, DDD and DDE concentration obtained from the site ranged from <0.03 to 0.076 mg/kg. Dieldrin was detect samples at concentrations ranging from 0.0055 to 0.020 mg/kg. The highest of was reported in composite sample SS-(17-20). Toxaphene was detected in secomposite samples at concentrations ranging from 0.11 mg/kg to 0.18 mg/kg. I was detected in one composite sample (SS-17-20) at a concentration of 0.11	ns for soil samples ted in six of the eight concentration of Dieldrin wen of the eight In addition, Endosulfan
Processing the modern and processing the mod	Arsenic was detected in each composite sample at concentrations ranging from mg/kg. Lead was detected in each sample at concentrations ranging from 5.2 highest concentration of arsenic was detected in composite sample SS-(13-16) concentration of lead was detected in sample SS-(5-8).	mg/kg to 6.8 mg/kg. The
Nuceromeasaccount	Silo Samples	
	DDT was detected in two of the five samples at concentrations ranging from 0 mg/kg. DDE and DDD were not detected above laboratory reporting limits. For DDT, DDE and DDD for hazardous waste purposes requires a summation of concentrations. Summation of DDT, DDD and DDE concentrations for soil satisfied ranged from <0.075 to 0.090 mg/kg. Dieldrin, Toxaphene and Endosulfant above laboratory reporting limits.	Evaluating concentrations of their respective supplies obtained from the
**************************************	Arsenic was detected in each composite sample at concentrations ranging from mg/kg. Lead was detected in each sample at concentrations ranging from 11 m	1 4.4 mg/kg to 5.1 ng/kg to 22 mg/kg.
	Background Samples	
пенеминический размента	In the four background samples collected (BG-1 through BG-4) arsenic was de ranging from 4.2 mg/kg to 6.1 mg/kg and lead was detected at concentrations reto 5.4 mg/kg.	tected at concentrations anging from 3.7 mg/kg
- Commence of the Commence of	The complete analytical test results, chain-of-custody and laboratory quality co samples obtained from the site are included as Appendix A. The sample location 1.	ntrol data for soil ons are shown on Figure



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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 <u>disposal</u> 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



Phase 2 Environmental Site Assessment UCD West Village Property WKA No. 6915.02

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PRG values is that both federal and California-Modified PRGs are well below even <u>naturally</u> 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

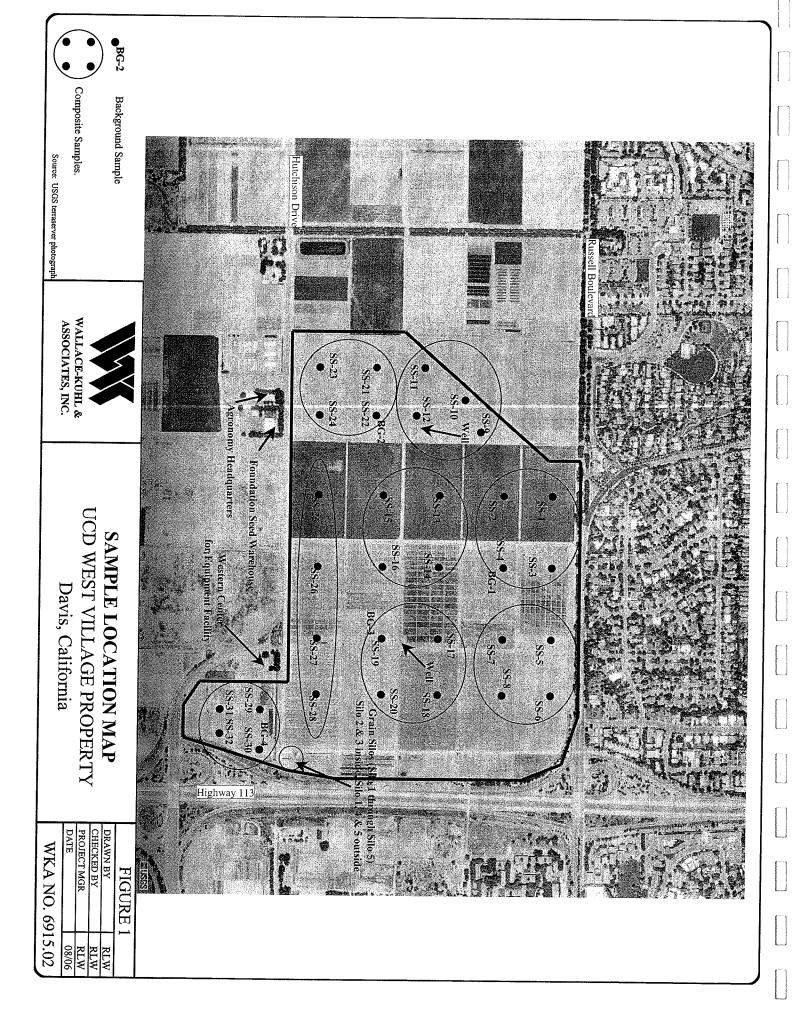
Kurt M. Balasek, P.G., C. HG.
Senior Hydrogeologist

WALLACE · KUHL & ASSOCIATES INC.

APPENDIX A

LABORATORY DATA SHEET





		SUMMAR	RY OF SOI	L ANALY:	TABL SIS - 6915.0		FST VII I	AGE PROI	DEDTX		
					ple Identifica		EST VILL	AGETRO	TERLY		
EPA Method 8081A, Organochlorine Pesticides	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/ TTLC	USEPA PRG* (Res)	DTSC Background**
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	0.038	< 0.03	<0.03	0.072	<0.03	0.076	<0.075	N/A	1.7	
DDT	< 0.03	< 0.03	< 0.03	<0.03	<0.03	<0.03	<0.03	<0.075			NA
Sum of DDT, DDE and DDD	0.00	0.04	0.00	0.00	0.072	0.00	0.08	0.00	N/A 0.1 / 1.0	1.7 N/A	NA NA
Dieldrin	ND	0.005	0.0042	0.012	0.020	0.014	0.0055	<0.005	0.8 / 100	0.03	
Toxaphene	0.150	0.130	0.130	0.170	0.140	0.110	0.180	<0.10	0.5 / 5.0	0.03	NA NA
Endosulfan I	<0.03	<0.03	<0.03	<0.03	0.110	<0.03	<0.03	<0.075	N/A	370	
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					NA NA
Total Lead	5.2	6.8	6.0				7.6	7.4	5/500	0.39/0.062	11
		0.0	0.0	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												
	Sample Identification												
EPA Method 8081A, Organochlorine Pesticides	Silo 1	Silo 2	Silo 3	Silo 4	Silo 5	BG-1	BG-2	BG-3	BG-4	STLC/ TTLC	USEPA PRG* (Res)	DTSC Background**	
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 NA	
DDT	<0.075	0.076	< 0.075	< 0.075	0.090	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 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 NA	
Endosulfan I	<0.075	<0.075	<0.075	<0.075	<0.075	NA	NA	NA	NA	N/A	370	NA NA	
All other analytes	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	NA 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."

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

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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

REPORT TO: WE AND ADDRESS OUTER PROVE TO BE	CLIENT JOE NUMBER 6-7-7-7-0-2 DESTINATION LABORATORY Y CLS (915) 638-7301 234 STZGERUD PID PARSON CONDOLA CA	ANALYSIS REQUESTED	GEOTRACI EDF REPO GLOBAL ID	HT □YES □NC		
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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

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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

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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

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08/07/06 08:41

Wallace Kuhl & Associates- West Sacramento

1401 Halyard Drive, Suite 140 West Sacramento, CA 95691 Project Number: 6915.02

Project: UCD West Village

CLS Work Order #: CPG0796

Project Manager

Project Manager: Randy Wheeler

COC #: 63657,58,59,60

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Rep	porting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-(1-4) Composite (CPG0796-05) Soil	Sampled: 0'	7/24/06	б́0:00	Received	1: 07/25/06	14:30				
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	
SS-(5-8) Composite (CPG0796-10) Soil	Sampled: 0'	7/24/06	00:00	Received	1: 07/25/06	14:30				
Arsenic	7.9		1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	6.8		2.5	**	1	н	H	07/31/06	EPA 6010B	
SS-(9-12) Composite (CPG0796-15) Soil	Sampled: (07/24/06	00:00	Receive	d: 07/25/0	6 14:30				
Arsenic	7.3		1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	6.0		2.5	**	1	17	I†	07/31/06	EPA 6010B	
SS-(13-16) Composite (CPG0796-20) Soil	Sampled:	07/24/0	6 00:0	0 Receiv	ed: 07/25/0	06 14:30				
Arsenic	8.0		1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	5.4		2.5	11	1	"	"	07/31/06	EPA 6010B	
SS-(17-20) Composite (CPG0796-25) Soil	Sampled:	07/24/0	6 00:0	0 Receiv	ed: 07/25/0	06 14:30				
Arsenic	7.4		1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	6.0		2.5	"	1	**	11	07/31/06	EPA 6010B	
SS-(21-24) Composite (CPG0796-30) Soil	Sampled:	07/24/0	6 00:00	Receiv	ed: 07/25/0	06 14:30				
Arsenic	7.8		1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	6.6		2.5	"	1	II	n	07/31/06	EPA 6010B	
SS-(25-28) Composite (CPG0796-35) Soil	Sampled:	07/24/0	6 00:00	Receiv	ed: 07/25/(6 14:30				
Arsenic	7.6		1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	6.2		2.5	11	1	11	11	07/31/06	EPA 6010B	

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Wallace Kuhl & Associates- West Sacramento

1401 Halyard Drive, Suite 140 West Sacramento, CA 95691

Project Number: 6915.02

Project: UCD West Village

Project Manager: Randy Wheeler

CLS Work Order #: CPG0796

COC #: 63657,58,59,60

Metals by EPA 6000/7000 Series Methods

i									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-(29-32) Composite (Cl	PG0796-40) Soil Sampled	: 07/24/06 00:00	0 Receiv	ed: 07/25/	06 14:30				••
Arsenic	7.4	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	·
Lead	6.5	2.5	11	1	It	11	07/31/06	EPA 6010B	
Silo-1 (CPG0796-41) Soil	Sampled: 07/24/06 10:55	Received: 07/	25/06 14:	30					
Arsenic	5.1	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	11	2.5	11	1	11	II	07/31/06	EPA 6010B	
Silo-2 (CPG0796-42) Soil	Sampled: 07/24/06 11:00	Received: 07/2	25/06 14:	30					
Arsenic	5.1	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	19	2.5	"	1	11	11	07/31/06	EPA 6010B	
Silo-3 (CPG0796-43) Soil	Sampled: 07/24/06 11:05	Received: 07/2	25/06 14::	30					
Arsenic	3.7	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	11	2.5	11	1	\$1	11	07/31/06	EPA 6010B	
Silo-4 (CPG0796-44) Soil	Sampled: 07/24/06 11:10	Received: 07/2	25/06 14:3	30					
Arsenic	4.4	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	16	2.5	"	1	11	If	07/31/06	EPA 6010B	
Silo-5 (CPG0796-45) Soil	Sampled: 07/24/06 11:15	Received: 07/2	25/06 14:3	30					
Arsenic	5.1	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	22	2.5	n	1	n	*1	07/31/06	EPA 6010B	
BG-1 (CPG0796-46) Soil	Sampled: 07/24/06 09:42	Received: 07/2	5/06 14:3	0					
Arsenic	5.2	1.0	mg/kg	4	CP05683	07/31/06	08/01/06	EPA 7060A	
Lead	5.4	2.5	n	1	"	11	08/01/06	EPA 6010B	

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

Project: UCD West Village Project Number: 6915.02

CLS Work Order #: CPG0796

West Sacramento, CA 95691 Project Manager: Randy Wheeler

COC #: 63657,58,59,60

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
BG-2 (CPG0796-47) Soil	Sampled: 07/24/06 14:21	Received: 07/2	25/06 14:3	0					
Arsenic Lead	5.7 4.9	1.0 2.5	mg/kg	4 1	CP05683	07/31/06	08/01/06 08/01/06	EPA 7060A EPA 6010B	
BG-3 (CPG0796-48) Soil	Sampled: 07/24/06 13:10	Received: 07/2	5/06 14:30	0					
Arsenic Lead	6.1 5.1	1.0 2.5	mg/kg	4	CP05683	07/31/06	08/01/06 08/01/06	EPA 7060A EPA 6010B	
BG-4 (CPG0796-49) Soil	Sampled: 07/24/06 11:45	Received: 07/2	5/06 14:30)					
Arsenic Lead	4.9 3.7	1.0 2.5	mg/kg	4 1	CP05683	07/31/06	08/01/06 08/01/06	EPA 7060A 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
SS-(1-4) Composite (CPG0796-05) Soil	Sampled: 07/2	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	11	n	U	"	"	LI A SUSIA	
beta-BHC	ND	20	11	н	n	11	Ħ	11	
delta-BHC	ND	20	u	11	11	"	11	"	
gamma-BHC (Lindane)	ND	20	n	n	11	17		"	
Chlordane	ND	40	11	11	11	lt .	"	"	
4,4'-DDD	ND	30	n	**	11	11	11	**	
4,4'-DDE	ND	30	**	**	ıı	11	"		
4,4'-DDT	ND	30	"	**	IT	n	18	17	
Dieldrin	ND	2.0	**	"	11	11		"	
Endosulfan I	ND	30	**	H	11	11	11		
Endosulfan II	ND	30	**	,,	ti	"	"	"	
Endosulfan sulfate	ND	30	11	**	11	,,	"	н	
Endrin	ND	30	п	11	11			II	
Endrin aldehyde	ND	30	"	n	"	"	11	ri .	
Heptachlor	ND	20	If	11	 It		"	"	
Heptachlor epoxide	ND	8.0		"	" H	"	II.	"	
Kepone	ND	20	n	IT.	11		11	11	
Methoxychlor	ND	30	11			11	0	11	
Mirex	ND	20	"		11	11	ti	"	
Toxaphene	150	40	ir tr	n	11	"	11	"	
_									
Surrogate: Tetrachloro-meta-xylene		97.1 %	46-139)	"	"	"	"	
durrogate: Decachlorobiphenyl		101 %	52-141		"	"	"	"	
S-(5-8) Composite (CPG0796-10) Soil	Sampled: 07/24	4/06 00:00	Received: 0'	7/25/06 1	4:30				
Aldrin	ND	2.0	μg/kg			07/27/06	08/01/06	ED 4 0001 4	
lpha-BHC	ND	16	"	<u></u>	"	"	11	EPA 8081A	
eta-BHC	ND	20	11	11	п	IT	H		
elta-BHC	ND	20	11	11	п	II	"		
amma-BHC (Lindane)	ND	20	11	11	11	11	"		
hlordane	ND	40	11	**	11	"	".	11	
4'-DDD	ND	30	11	tı	"	11		n	
4' DDE						11	15	11	
4'-DDE	38	30	TF .	11	85	11	n	Ħ	

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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
SS-(5-8) Composite (CPG0796-10) Soil	Sampled: 07/2	4/06 00:00	Received	07/25/06	14:30				
Dieldrin	5.0	2.0	μg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
Endosulfan I	ND	30	"	H	11	"	11	EIA OUOIA	
Endosulfan II	ND	30	11	Ħ	**	11	n	n	
Endosulfan sulfate	ND	30	n .	11	Ħ			n	
Endrin	ND	30	**	lr .	11	**	**	11	
Endrin aldehyde	ND	30	**	11	#	51	11	11	
Heptachlor	ND	20	11	"	"	TT .	25	"	
Heptachlor epoxide	ND	8.0	"	**	n	11	IT	**	
Kepone	ND	20	11	**	11	"	"	"	
Methoxychlor	ND	30	u u	11	n	11	n	"	
Mirex	ND	20	11	n	n	**	n	,,	
Toxaphene	130	40	n	н	n	11	u .	ш	
Surrogate: Tetrachloro-meta-xylene		97.1 %	46.1	20	"				
Surrogate: Decachlorobiphenyl		97.1 % 99.0 %	46-1		"	"	"	"	
^ *			<i>52-1</i> -	41	"	"	"	"	
SS-(9-12) Composite (CPG0796-15) Soil	Sampled: 07/2	4/06 00:00	Received	: 07/25/06	14:30				
Aldrin	3.775								
	ND	2.0	μg/kg	2	CP05612	07/27/06	08/01/06	EDA 9091 A	
alpha-BHC	ND ND	2.0 16	μg/kg "	2	CP05612	07/27/06	08/01/06	EPA 8081A	
alpha-BHC beta-BHC								tt	
alpha-BHC beta-BHC delta-BHC	ND	16	11	"	tt	"	11		
alpha-BHC beta-BHC	ND ND	16 20 20	11	"	11	11	11	11 11	
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Chlordane	ND ND ND	16 20	11 11	11 11	tt 11	11 11	11	11 11 11	
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Chlordane 4,4'-DDD	ND ND ND ND	16 20 20 20	11 11 11	11 11 11	11 11 11	11 11 11	11 11	11 11 11	
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Chlordane 4,4'-DDD	ND ND ND ND ND	16 20 20 20 40	11 11 11 11	11 11 11 11	11 11 11	11 11 11	11 11 11	11 11 11 11	
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT	ND ND ND ND ND ND ND	16 20 20 20 40 30	11 11 11 11	11 11 11 11	11 11 11 11 11	11 11 11 11	11 11 11 11	11 11 11 11 11 11	
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Chlordane 4,4'-DDD	ND ND ND ND ND ND ND	16 20 20 20 40 30 30 30	11 11 11 11 11	" " " " "	11 11 11 11 11 11	" " " " " " "	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11	
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT	ND N	16 20 20 20 40 30 30 30 2.0	11 11 11 11 11 11 11 11 11	" " " " " " "	11 11 11 11 11 11 11	11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11	
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin	ND	16 20 20 20 40 30 30 30 2.0	11 11 11 11 11 11 11 11 11 11 11	" " " " " " " " "	11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11	
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I	ND N	16 20 20 20 40 30 30 30 2.0 30	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11	
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I	ND N	16 20 20 20 40 30 30 30 2.0 30 30	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11		11 11 11 11 11 11 11 11	
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan sulfate	ND N	16 20 20 20 40 30 30 30 2.0 30 30 30	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11			11 11 11 11 11 11 11 11	
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan II Endosulfan sulfate Endrin	ND N	16 20 20 40 30 30 30 2.0 30 30 30 30 30		" " " " " " " " " " " " " " "			11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11	
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan II Endosulfan sulfate Endrin Endrin Endrin Endrin	ND N	16 20 20 20 40 30 30 30 2.0 30 30 30		" " " " " " " " " " " " "	11 11 11 11 11 11 11 11 11 11 11 11 11			11 11 11 11 11 11 11 11	

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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

CLS Work Order #: CPG0796

Project Manager: Randy Wheeler

COC #: 63657,58,59,60

Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-(9-12) Composite (CPG0796-15) Soil	Sampled: 07	/24/06 00:00	Receive	d: 07/25/0	6 14:30				
Methoxychlor	ND	30	μg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
Mirex	ND	20	"	H	17	**	17	II.	
Toxaphene	130	40		11				lt .	
Surrogate: Tetrachloro-meta-xylene		98.1 %	46-	139	"	"	"	n .	
Surrogate: Decachlorobiphenyl		96.2 %	52-	141	"	"	"	"	
SS-(13-16) Composite (CPG0796-20) Soil	Sampled: 0	7/24/06 00:00	Receiv	ed: 07/25/0	06 14:30				
Aldrin	ND	2.0	μg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
alpha-BHC	ND	16	11	"	11	11	tt	H	
beta-BHC	ND	20	17	n	n	11	11	11	
delta-BHC	ND	20	**	11	11	n	11	Ħ	
gamma-BHC (Lindane)	ND	20	U	n	**	tr	11	**	
Chlordane	ND	40	Ħ	11	**	п	11	II .	
4,4'-DDD	ND	30	u	11	n	11	11	11	
4,4'-DDE	ND	30	**	н	17	II .	11	u .	
4,4'-DDT	ND	30	11	Ħ	11	"	tt .	n	
Dieldrin	12	2.0	11	**	u	11	n	**	
Endosulfan I	ND	30	11	11	11	**	**	n	
Endosulfan II	ND	30	11	17	11	tt	"	11	
Endosulfan sulfate	ND	30	11	11	97	n	**	II .	
Endrin	ND	30	n	17	11	11	"	11	
Endrin aldehyde	ND	30	**	Ħ	11	н	**	H	
Heptachlor	ND	20	n	11	11	"	11	11	
Heptachlor epoxide	ND	8.0	H	. 11	n n	"	17	11	
Kepone	ND	20	11	11	**	"	11	11	
Methoxychlor	ND	30	11	11	11	11	er .	11	
Mirex	ND	20	11	11	11	n	11	PT	
Toxaphene	170	40	11		11	11	n	11	
Surrogate: Tetrachloro-meta-xylene		88.5 %	46-1	30	"	"	"	"	
Surrogate: Decachlorobiphenyl		96.2 %	52-I		n	"	"	n	

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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
SS-(17-20) Composite (CPG0796-25) Soil	Sampled: 0	7/24/06 00:00	Receiv	ed: 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	11	11	**	ıı	IT	"	
beta-BHC	ND	20	n	н	11	Ħ	11	H	
delta-BHC	ND	20	H	11	Ħ	11	Ħ	11	
gamma-BHC (Lindane)	ND	20	**	n	11	n	n	fr	
Chlordane	ND	40	**	н	11	н	n	11	
4,4′-DDD	ND	30	**	77	17	n	n n	11	
4,4'-DDE	72	70	11	10	11	11	tr .	11	
4,4'-DDT	ND	30	11	2	11	H	**	n	
Dieldrin	20	2.0	Ħ	. "	u	11	11	u	
Endosulfan I	110	100	11	10	If	п	11	n	
Endosulfan II	ND	30	Ħ	2	11	"	11	IT.	
Endosulfan sulfate	ND	30	n	n	. 11	11	11	11	
Endrin	ND	30	tt	11	11	II.	"	п	
Endrin aldehyde	ND	30	"	n	17	**	Ħ	11	
Heptachlor	ND	20	n	**	n	11	n	If .	
Heptachlor epoxide	ND	8.0	17		**	11	11	11	
Kepone	ND	20	11	**	11	17	n	If	
Methoxychlor	ND	30	12	n	18	16	11	11	
Mirex	ND	20	11	11	11	11	11	,,	
Foxaphene	140	40	"	"	**	11	11	II.	
Surrogate: Tetrachloro-meta-xylene		101 %	46.1	20	"	"			
Surrogate: Decachlorobiphenyl			46-1		"		"	"	
urrogute. Decucnior obsphenys		105 %	52-1	41	"	"	"	"	
SS-(21-24) Composite (CPG0796-30) Soil	Sampled: 07	/24/06 00:00	Receive	d: 07/25/0	6 14:30				
Aldrin	ND	2.0	μg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
lpha-BHC	ND	16		n	#	"	"	BIN GOOTA	
peta-BHC	ND	20	U	11	11	II .	п	11	
lelta-BHC	ND	20	"	#	"	11	11	n	
amma-BHC (Lindane)	ND	20	**	11	rt .	H	n.	11	
Chlordane			11	#	11	tr	17	"	
Mordane	ND	40							
,4'-DDD	ND ND	40 30	Ħ	n	ŧr.	ft	11		
	ND ND ND	30 30			11				

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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	Note:
SS-(21-24) Composite (CPG0796-30) Soil	Sampled: 07	//24/06 00:00	Receive	ed: 07/25/	06 14:30				
Dieldrin	14	2.0	μg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
Endosulfan I	ND	30	11	11	"	# H	U0/U1/UU II	EFA 6U6IA	
Endosulfan II	ND	30	Ħ	11	11	11	11	**	
Endosulfan sulfate	ND	30	n	11	71	ti	н	11	
Endrin	ND	30	n	11		11	If	II.	
Endrin aldehyde	ND	30	n	11	**	"	11	11	
Heptachlor	ND	20	н		н	11	,,	n	
Heptachlor epoxide	ND	8.0	R	n n	11	11	11	H	
Kepone	ND	20	**	n	n	**	11		
Methoxychlor	ND	30	#1	**	**	11	11	11	
Mirex	ND	20	**	**	**	n	11	"	
Toxaphene	110	40	rı .		u ·	11	n	"	
Surrogate: Tetrachloro-meta-xylene		100.07		20					
Surrogate: Decachlorobiphenyl		109 %	46-1		"	"	"	"	
		103 %	52-1	41	"	"	"	"	
SS-(25-28) Composite (CPG0796-35) Soil	Sampled: 07/	24/06 00:00	Receive	d: 07/25/0	6 14:30				
Aldrin	ND	2.0	μg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
alpha-BHC	ND	16	"	11	"	11	"	EI A SUSIA	
beta-BHC	ND	20	11	"		**	11		
delta-BHC				"	11	***	17	11	
	ND	20	11	"	11	"	"	9 H	
gamma-BHC (Lindane)	ND ND	20 20	"					п	
gamma-BHC (Lindane) Chlordane		_ -		"	"	"	**		
	ND	20	"	"	u n	n n	11 11	11	
Chlordane	ND ND	20 40	"	" " " " " " " " " " " " " " " " " " " "	11 11	n n	11 11	11 11	
Chlordane 4,4'-DDD	ND ND ND	20 40 30	11 11	" " 20	11 11	11 11 11	11 11 11	11 11 11	
Chlordane 4,4'-DDD 4,4'- DD E	ND ND ND 76	20 40 30 70	11 11	" " " " " " " " " " " " " " " " " " " "	11 11 11	11 11 11	11 11 11 11	11 11 11 11	
Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT	ND ND ND 76 ND	20 40 30 70 30 2.0	n n n	" " 20 2	11 11 11 11 11	11 11 11 11	11 11 11 11	n n n	
Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin	ND ND 76 ND 5.5	20 40 30 70 30	n n n	20 2	11 11 11 11	11 11 11 11 11	11 11 11 11 11 11	11 11 11 11 11	
Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I	ND ND 76 ND 5.5 ND	20 40 30 70 30 2.0 30	n n n n	20 2 "	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11	" " " " " " " " " " "	11 11 11 11 11 11	
Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II	ND ND 76 ND 5.5 ND	20 40 30 70 30 2.0 30 30 30	n n n n	20 2 "	11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	" " " " " " " " " " " " " "	11 11 11 11 11 11 11 11 11 11 11 11 11	
Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate	ND ND 76 ND 5.5 ND ND ND ND ND	20 40 30 70 30 2.0 30 30 30 30	n n n n n n n n n n n n n n n n n n n	20 2 "	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	
Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan SI Endosulfan SI Endosulfan SU	ND ND 76 ND 5.5 ND ND ND ND ND ND ND	20 40 30 70 30 2.0 30 30 30 30 30	n n n n n n n n n n n n n n n n n n n	20 2 "	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11		
Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate Endrin Endrin	ND ND 76 ND 5.5 ND ND ND ND ND	20 40 30 70 30 2.0 30 30 30 30	" " " " " " " " " " " "	20 2 "	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	

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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
SS-(25-28) Composite (CPG0796-35) Soil	Sampled: 0	7/24/06 00:00	Receiv	/ed: 07/25/	06 14:30		-		
Methoxychlor	ND	30	μg/kg	2	CP05612	07/27/06	08/01/06	EPA 8081A	
Mirex	ND	20	"	11	"	"	"	EPA 8081A	
Toxaphene	180	40		11	11	11	"	II	
Surrogate: Tetrachloro-meta-xylene		98.1 %	16	139	"	"	"		
Surrogate: Decachlorobiphenyl		97.1 %	52-		"	"	"	"	
SS-(29-32) Composite (CPG0796-40) Soil	Sampled: 0	7/24/06 00:00	Receiv	ed: 07/25/0	06 14:30				
Aldrin	ND	5.0	μg/kg	5	CP05630	07/28/06	07/31/06	ED L COOL	
alpha-BHC	ND	40	11	"	"	"	07/21/00	EPA 8081A	
beta-BHC	ND	50	11	"1	n	11	11	"	
delta-BHC	ND	50	n	"	II.	11	n	"	
gamma-BHC (Lindane)	ND	50	17	**	It	11	11	"	
Chlordane	ND	100	n	11	m	11	**	"	
1,4′-DDD	ND	75	11	lt .	11	11		., n	
1,4'-DDE	ND	75	u .	11	**	"	11	"	
1,4'-DDT	ND	75	п	II .	**	ır		"	
Dieldrin	ND	5.0	11	11	11			"	
Endosulfan I	ND	75	**	"	**	"	" II	"	
Endosulfan II	ND	75	11	**	11	II	"	."	
Endosulfan sulfate	ND	75	11	**	11	II.	"	**	
Indrin	ND	75	11	11	11	#	"	"	
indrin aldehyde	ND	75	11	tr	D	it	"	"	
leptachlor	ND	50	n	n	11		"		
Ieptachlor epoxide	ND	20	n	H	tı			11	
Lepone	ND	50	11	**	n		"	n 	
l ethoxychlor	ND	75	1t	**	11	,,	"	11	
lirex	ND	50	11	**	,,	"	17	11	
oxaphene	ND	100	11	71	11	"	"	n n	
urrogate: Tetrachloro-meta-xylene		71.20/	46.1	20					
urrogate: Decachlorobiphenyl		71.2 % 75.5 %	46-1.	-	"	"	"	"	
G		13.3 %	52-14	71	"	"	"	"	

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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
Silo-1 (CPG0796-41) Soil	Sampled: 07/24/06 10:55	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	**	HT .	11	n	tr.	n	
beta-BHC	ND	50	11	#	11	11	71	n	
delta-BHC	ND	50	n	,,,	n	II	**	n	
gamma-BHC (Lindane)	ND	50	Ħ	#	ıı	"	n	***	
Chlordane	ND	100	11	11	**	п	**	п	
4,4'-DDD	ND	75	11	Ħ	"	11	n	"	
4,4'-DDE	ND	75	n	11	#	11	**	ii .	
4,4'-DDT	ND	75	11	11	n	n	11	**	
Dieldrin	ND	5.0	н	**	11	11	**	a a	
Endosulfan I	ND	75	11	II .	71	u	11	**	
Endosulfan II	ND	75	11	**	17	**	**	*1	
Endosulfan sulfate	ND	75	17	11	11	n	**	"	
Endrin	ND	75	11	11	11	It	**	rr .	
Endrin aldehyde	ND	75	0	11	**	11	**	11	
Heptachlor	ND	50	11	"	11	11	н	11	
Heptachlor epoxide	ND	20	11	**	11	11	11	u	
Kepone	ND	50	11	11	11	11		11	
Methoxychlor	ND	75		11	n	**	n	11	
Mirex	ND	50	11	ti	**	n	**	"	
Toxaphene	ND	100	11	n	17	II .	11	"	
Surrogate: Tetrachloro-meta		01204			"	"			
Surrogate: Decachlorobiphe		91.3 %	46-				"	"	
_		83.7 %	52-1		"	"	"	"	
Silo-2 (CPG0796-42) Soil	Sampled: 07/24/06 11:00	Received: 07/	25/06 14:3	30					
Aldrin	ND	5.0	μg/kg	5	CP05630	07/28/06	07/31/06	EPA 8081A	
alpha-BHC	ND	40	11	"	Ħ	17	n	11	
beta-BHC	ND	50	It		11	11	n	11	
delta-BHC	ND	50	11	H	п	n	н	11	
gamma-BHC (Lindane)	ND	50	II .	11	n	11	11	n	
Chlordane	ND	100	11	п	11	11	"	"	
4,4′-DDD	ND	75	It	11	11	m	u	n	
4,4'-DDE	ND	75	11	11	11	n	ıı	71	
4,4'-DDT	76	75	11	н	п	**	75	11	
1,4 -UUI	76	75	11	п	"	Ħ	71	17	

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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
Silo-2 (CPG0796-42) Soil	Sampled: 07/24/06 11:00	Received: 07/	/25/06 14:	30					
Dieldrin	ND	5.0	μg/kg	5	CP05630	07/28/06	07/31/06	EPA 8081A	
Endosulfan I	ND	75	n	11	н	n	IT	11	
Endosulfan II	ND	75	**	11	17	11	n	n	
Endosulfan sulfate	ND	75	п	11	11	11	*	n	
Endrin	ND	75	н	n	11	n	n	TT .	
Endrin aldehyde	ND	75	11	11	**	It	"	u ·	
Heptachlor	ND	50	**	n	Ħ	71	•	11	
Heptachlor epoxide	ND	20	п	u	n	II .	tt	n	
Kepone	ND	50	Ħ	71	**	11	11	n	
Methoxychlor	ND	75	17	11	11	H	TT .	11	
Mirex	ND	50	11	11	11	11	11	11	
Toxaphene	ND	100		"		It	11	11	
Surrogate: Tetrachloro-meta-	-xylene	100 %	46-1	139	n	"	"	"	
Surrogate: Decachlorobipher	nyl	168 %	52-1		"	n .	"	"	QS-4
Silo-3 (CPG0796-43) Soil	Sampled: 07/24/06 11:05	Received: 07/							Q3-4
Aldrin	ND	5.0	μg/kg	5	CP05630	07/28/06	07/31/06	EPA 8081A	
alpha-BHC	ND	40	"	"	"	11/20/00	07/31/00	EFA 6061A	
beta-BHC	ND	50	"	11					
delta-BHC	ND				17	11	11	n	
gamma-BHC (Lindane)		50	11	11	"	11	11	"	
	ND ND	50 50	11					n n	
Chlordane	ND	50		11	ti .	IT	"	II .	
Chlordane 4,4´-DDD	ND ND		11	11	tt	11 11	"	11	
	ND ND ND	50 100 75	11	11 11	11 11	n n	11 11	11 11 11	
4,4'-DDD 4,4'-DDE	ND ND ND ND	50 100 75 75	11 11	11 11	11 11 11	11 11 11	11 11 11	11 10 11	
4,4'-DDD 4,4'-DDE 4,4'-DDT	ND ND ND ND ND	50 100 75 75 75	11 11 11	11 11 11	11 11	11 11 11	11 11 11	11 11 11	
4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin	ND ND ND ND ND ND	50 100 75 75 75 5.0	11 11 11 11	11 11 11 11	11 11 11 11 11	n n n n	11 11 11 11	11 U 11 11 11	
4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I	ND ND ND ND ND ND ND	50 100 75 75 75 75 5.0 75	11 11 11 11	11 11 11 11	11 11 11 11 11	n n n n n	11 11 11 11 11	0 U N U U U U	
4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II	ND ND ND ND ND ND ND	50 100 75 75 75 75 5.0 75 75	11 11 11 11 11 11 11 11 11	n n n n n n n n n n n n n n n n n n n	11 11 11 11 11 11	n n u u n	# # # # # # # # # # # # # # # # # # #	11 U 11 11 11	
4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate	ND ND ND ND ND ND ND ND	50 100 75 75 75 5.0 75 75 75	11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	0 11 11 11 11 11	# # # # # # # # # # # # # # # # # # #	# # # # # # # # # # # # # # # # # # #	0 0 0 0 0 0 0 0	
4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate Endrin	ND ND ND ND ND ND ND ND ND	50 100 75 75 75 75 5.0 75 75 75	11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	# # # # # # # # # # # # # # # # # # #	# # # # # # # # # # # # # # # # # # #	0 0 0 0 0 0 0 0	
4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate Endrin Endrin	ND N	50 100 75 75 75 75 5.0 75 75 75 75	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	# # # # # # # # # # # # # # # # # # #	# # # # # # # # # # # # # # # # # # #	11 11 11 11 11 11 11 11 11 11 11 11 11	
4,4'-DDD	ND ND ND ND ND ND ND ND ND	50 100 75 75 75 75 5.0 75 75 75	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	# # # # # # # # # # # # # # # # # # #	# # # # # # # # # # # # # # # # # # #	11 11 11 11 11 11 11 11 11 11 11 11	

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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
Silo-3 (CPG0796-43) Soil	Sampled: 07/24/06 11:05	Received: 07/	25/06 14:	30					
Methoxychlor	ND	75	μg/kg	5	CP05630	07/28/06	07/31/06	EPA 8081A	
Mirex	ND	50	11	"	IŢ	tt .	"	II	
Toxaphene	ND	100	. 11	"	11	11	17	11	
Surrogate: Tetrachloro-meta	ı-xylene	96.2 %	46-	139	"	"	"	"	
Surrogate: Decachlorobiphe	nyl	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	Ħ	11	n	11	rr ·	II .	
beta-BHC	ND	200	11	n.	11	n .	11	n	
delta-BHC	ND	200	Ħ	31	n	0	11	U	
gamma-BHC (Lindane)	ND	200	n	"	H	H	11	n	
Chlordane	ND	400	"	11	11	it	**	11	
4,4'-DDD	ND	300	11	n	H	Ħ	n	**	
4,4'-DDE	ND	300	n	11	11	It	**	II .	
4,4'-DDT	ND	300	II .	11	H	11	11	rr .	
Dieldrin	ND	20	71	n	11	n	1T	ft.	
Endosulfan I	ND	240	п	**	11	**	11	11	
Endosulfan II	ND	110	ti	11	n	II	11	II .	
Endosulfan sulfate	ND	300	If	11	Ħ	n	**	11	
Endrin	ND	300	**	ıı	11	Ħ		If	
Endrin aldehyde	ND	300	If	11	**	11	11	n	
Heptachlor	ND	110	11	11	n	Ħ	п	11	
Heptachlor epoxide	ND	50	н	н	**	n .	"	ri .	
Kepone	ND	200	**	11	"	11	"	11	
Methoxychlor	ND	300	#1	11		u u	n	17	
Mirex	ND	200	Ħ	н	11	11	11	11	
Toxaphene	ND	400		11	11	11	ti	11	
Gurrogate: Tetrachloro-meta-	-xylene	52.4 %	46-1	39	n	"	"	"	
urrogate: Decachlorobiphen		91.3 %	52-I		"	n	n	"	

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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
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	"	11	n	11	"	EIA GOOIA	
beta-BHC	ND	50	**	17	17	17	"	11	
delta-BHC	ND	50	It	n	n	11		11	
gamma-BHC (Lindane)	ND	50	11	**	Ħ	11	#f	tr	
Chlordane	ND	100	11	11	97	"	11	11	
4,4'-DDD	ND	75	11	н	n	tt .		11	
4,4'-DDE	ND	75	11	**	11	II	n	н	
4,4'-DDT	90	75	11	17	n	11	**	"	
Dieldrin	ND	5.0	17		11	u	11		
Endosulfan I	ND	75		11	it.	Ħ	n	п	
Endosulfan II	ND	75	11	11	11	17	17	**	
Endosulfan sulfate	ND	75	#	11	н	11	17	11	
Endrin	ND	75	n	11	17	11	n	o o	
Endrin aldehyde	ND	75	**	**	11	11	11	**	
Heptachlor	ND	50	n	11	11	ΪĪ	*	"	
Heptachlor epoxide	ND	20	0 .	n	57	11	It	11	
Kepone	ND	50	11	11	ti	ıı	11	**	
Methoxychlor	ND	75	н	11	н	11	11	**	
Mirex	ND	50	"	o o	n	11	n	11	
Toxaphene	ND	100	"	11	11	11	n	11	
Surrogate: Tetrachloro-meta	-xylene	88.9 %	46-1	139	"	"	"	,,	
Surrogate: Decachlorobiphe.		84.6 %	52-1		"	"	"	"	

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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

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
Batch CP05683 - EPA 3050B										
Blank (CP05683-BLK1)				Prepared	& Analyz	ed: 07/31/	06			
Lead	ND	2.5	mg/kg		co i mary za	ou. 07/31/	00			
Arsenic	ND	1.0	ıı							
LCS (CP05683-BS1)				Prepared a	& Analyze	ed: 07/31/0	06			
Lead	10.2	2.5	mg/kg	10.0		102	75-125		25	
Arsenic	9.40	1.0	11	10.0		94.0	75-125		25	
LCS Dup (CP05683-BSD1)				Prepared a	& Analyze	ed: 07/31/0	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	
Matrix Spike (CP05683-MS1)	Sou	rce: CPG07	96-05	Prepared &	& Analyze	d: 07/31/0	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	
Matrix Spike Dup (CP05683-MSD1)	Sou	rce: CPG07	96-05	Prepared &	& Analyze	d: 07/31/0)6			
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

CALIFORNIA LABORATORY SERVICES

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RPD

Wallace Kuhl & Associates- West Sacramento

1401 Halyard Drive, Suite 140 West Sacramento, CA 95691

Project Number: 6915.02

Project: UCD West Village

Spike

Source

CLS Work Order #: CPG0796

Project Manager: Randy Wheeler

COC #: 63657,58,59,60

%REC

Organochlorine Pesticides by EPA Method 8081A - Quality Control

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch CP05612 - LUFT-DHS GC	NV				-					
Blank (CP05612-BLK1)				Prepared:	07/27/06	Analyzec	l: 08/01/06			
Aldrin	ND	1.0	μg/kg							
alpha-BHC	ND	8.0	17							
beta-BHC	ND	10	78							
delta-BHC	ND	10	11							
gamma-BHC (Lindane)	ND	10	11							
Chlordane	ND	20	0							
4,4'-DDD	ND	15	**							
4,4'-DDE	ND	15	Ħ							
4,4'-DDT	ND	15	11							
Dieldrin	ND	1.0	n							
Endosulfan I	ND	15	11							
Endosulfan II	ND	15	**							
Endosulfan sulfate	ND	15	tt.							
Endrin	ND	15	11							
Endrin aldehyde	ND	15	u .							
Heptachlor	ND	10	ii .							
Heptachlor epoxide	ND	4.0	11							
Kepone	ND	10	11							
Methoxychlor	ND	15	11							
Mirex	ND	10	It							
Toxaphene	ND	20	11							
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	Analvzed:	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	11	16.7		113	46-137		30	
Dieldrin	16.4	1.0	"	16.7		98.2	44-143		30	
Endrin	17.3	15	11	16.7		104	30-147		30	
Heptachlor	13.6	10	17	16.7		81.4	33-148		30	

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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 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP05612 - LUFT-DHS GCNV										
LCS (CP05612-BS1)				Prepared:	07/27/06	Analyzed	l: 08/01/06			
Surrogate: Tetrachloro-meta-xylene	8.70		μg/kg	8.33		104	46-139	1 1 1		
Surrogate: Decachlorobiphenyl	9.50		"	8.33		114	52-141			
LCS Dup (CP05612-BSD1)				Prepared:	07/27/06	Analyzed	l: 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	11	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	<i>9.78</i>		"	8.33		117	52-141			
Matrix Spike (CP05612-MS1)	So	urce: CPG07	78-13	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	п	16.7	ND	98.2	38-144		35	
4,4´-DDT	14.2	75	n	16.7	ND	85.0	41-157		35	
Dieldrin	15.3	5.0	11	16.7	ND	91.6	46-155		35	
Endrin	18.5	75	**	16.7	ND	111	34-149		35	
Heptachlor	11.8	50	ir	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-MSD1)	So	urce: CPG07	78-13	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	0	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	π.	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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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 - Quality Control

Analysis	D 1	Reporting	•••	Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch CP05612 - LUFT-DHS GCNV										
Matrix Spike Dup (CP05612-MSD1)	So	urce: CPG07	78-13	Prepared:	07/27/06	Analyzed	: 08/01/06			
Surrogate: Decachlorobiphenyl	20.9		μg/kg	20.8		100	52-141			
Batch CP05630 - LUFT-DHS GCNV										
Blank (CP05630-BLK1)				Prepared a	& Analyze	ed: 07/28/0)6			
Aldrin	ND	1.0	μg/kg							
alpha-BHC	ND	8.0	11							
beta-BHC	ND	10	H							
delta-BHC	ND	10	Ħ							
gamma-BHC (Lindane)	ND	10	"							
Chlordane	ND	20	11							
4,4′-DDD	ND	15	11							
4,4'-DDE	ND	15	H							
4,4′-DDT	ND	15	**							
Dieldrin	ND	1.0	11							
Endosulfan I	ND	15	п		,					
Endosulfan II	ND	15	11							
Endosulfan sulfate	ND	15	11							
Endrin	ND	15	11							
Endrin aldehyde	ND	15	11							
Heptachlor	ND	10	11							
Heptachlor epoxide	ND	4.0	II							
Kepone	ND	10	11							
Methoxychlor	ND	15	n							
Mirex	ND	10	11							
Гохарhene	ND	20	11							

6.89

Surrogate: Decachlorobiphenyl

8.33

82.7

52-141

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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 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP05630 - LUFT-DHS GCNV										
LCS (CP05630-BS1)				Prepared	& Analyz	ed: 07/28/	06			
Aldrin	15.6	1.0	μg/kg	16.7		93.4	47-132		30	
gamma-BHC (Lindane)	15.1	10	11	16.7		90.4	56-133		30	
4,4'-DDT	19.3	15	17	16.7		116	46-137		30	
Dieldrin	15.8	1.0	н	16.7		94.6	44-143		30	
Endrin	16.7	15	11	16.7		100	30-147		30	
Heptachlor	16.6	10	11	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-BSD1)				Prepared	& Analyz	ed: 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	n	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	11	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	VV-T-11111111111	n	8.33		105	46-139			
Surrogate: Decachlorobiphenyl	8.70		n	8.33		104	52-141			
Matrix Spike (CP05630-MS1)	Sou	rce: CPG08	04-01	Prepared a	& Analyze	ed: 07/28/0)6			
Aldrin	12.1	5.0	μg/kg	16.7	ND	72.5	47-138		35	
gamma-BHC (Lindane)	12.1	50	11	16.7	ND	72.5	38-144		35	
4,4´-DDT	15.7	75	11	16.7	3.4	73.7	41-157		35	
Dieldrin	12.3	5.0	n	16.7	ND	73.7	46-155		35	
Endrin	13.2	75	11	16.7	ND	79.0	34-149		35	
Heptachlor	12.8	50	11	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			

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

Organochlorine Pesticides by EPA Method 8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	N-4
Batch CP05630 - LUFT-DHS GCNV				20101	result	/MCC	Ziiilits	N.D	Limit	Notes
Matrix Spike Dup (CP05630-MSD1)	Sou	ırce: CPG08	04-01	Prepared	& Analyza	ed: 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	11	16.7	ND	69.5	38-144	4.22	35	
4,4'-DDT	14.4	75	11	16.7	3.4	65.9	41-157	8.64	35	
Dieldrin	11.7	5.0	11	16.7	ND	70.1	46-155	5.00	35	
Endrin	12.5	75	11	16.7	ND	74.9	34-149	5.45	35	
Heptachlor	12.2	50	11	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			

CALIFORNIA LABORATORY SERVICES

Page 24 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

Notes and Definitions

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. QS-4

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

Not Reported NR

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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AME AND A	_	WKA		691	5.01	Ne k						I							
	Paul	4 0 4		DESTIN	ATION LABO	DRATORY]												
				CLS	6 (916) 6	38-7301	뀨					∣GL	GLOBAL ID:						
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= TPAR 250 45 CLS - Labs CHAIN OF CUSTODY CLS ID No.;_____ LOG NO.63658 **REPORT TO: CLIENT JOB NUMBER ANALYSIS REQUESTED GEOTRACKER:** 6915.02 NAME AND ADDRESS WYA EDF REPORT ☐ YES ☐ NO **DESTINATION LABORATORY** Z = 4 PASI GLOBAL ID: **PRESERVATIVES** CLS (916) 638-7301 3249 FITZGERALD RD. PROJECT MANAGER COMPOSITE: COMPASSION ST. SAMPLE ST. RANCHO CORDOVA, CA. FUR & SAMPLY FOR AMPLES PROJECT NAME UCD will will age OTHER FIELD CONDITIONS: JOB DESCRIPTION **TURN AROUND TIME SPECIAL INSTRUCTIONS** SITE LOCATION OR - \$ | 2 | \$ | 5 DAY 10 SAMPLE CONTAINER DATE TIME **IDENTIFICATION** MATRIX TYPE ALT. ID: 7-24-4 450 55-13 9/188 30R Doil 4; f W08 55-14 " COMPOSE 958 55-15 55.16 W17 1735 55-17 1245 35-18 1303 55-19 55-20 370 1447 55-21 INVOICE TO: 41.1 55-22 12/11 10MDOSite 1-44 35.23 35. 24 1435 P.O. # QUOTE # SUSPECTED CONSTITUENTS PRESERVATIVES: (3) = COLD (5) = H₂SO₄ (6) = Na₂S₂O₃ **RELINQUISHED BY (SIGN)** PRINT NAME / COMPANY DATE / TIME RECEIVED BY (SIGN) PRINT NAME / COMPANY B. Thomas WEA 7.2406 1700 201 RAYS 18764 REC'D AT LAB BY: DATE / TIME: CONDITIONS / COMMENTS:

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