

**ADDITIONAL PHASE 2
ENVIRONMENTAL
SITE ASSESSMENT**

**UCD WEST VILLAGE
PROPERTY
DAVIS, CALIFORNIA**

**WKA No.
6915.02**



WALLACE • KUHL & ASSOCIATES INC.



**WALLACE • KUHL
& ASSOCIATES INC.**

Geotechnical Engineering

Engineering Geology

Environmental Consulting

Remediation Services

Construction Inspection

Materials Testing

February 16, 2007

Mr. Rob DeWaters

West Village Community Partnership, LLC

1000 Sansome Street, Suite 180

San Francisco, California 94111

Additional 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 requested by Mr. Nolan Zail during our August 29, 2006 conference call, Wallace-Kuhl & Associates, Inc. (WKA) directed California Laboratory Services (CLS) to analyze all 32 discrete surficial soil samples for total arsenic. The purpose of the additional laboratory analyses was to assess the concentrations of arsenic within each discrete soil sample and compare those results with published California background concentrations for arsenic, as well as site-specific background samples collected for this purpose. The results of the initial soil sampling were reported in WKA's August 10, 2007 *Phase 2 Environmental Site Assessment Report, UCD West Village Property* (WKA No. 6915.02).

Sampling Results

The 32 discrete soil samples collected during WKA's July 2, 2006 Phase 2 investigation were analyzed by CLS for total arsenic by EPA Method 7060A. Results of the discrete soil sample analyses are presented in Table 1.

Arsenic levels reported in the 32 discrete surface samples ranged from 6.4 mg/kg to 11 mg/kg. By comparison, arsenic concentrations within the composite samples previously analyzed ranged from 7.3 mg/kg to 8.0 mg/kg. Arsenic concentrations in the four background samples ranged from 4.9 mg/kg to 6.1 mg/kg. The background samples were collected by hand excavating to depths ranging from four and five feet below ground surface.

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Conclusions and Recommendations

The results of analyses are compared to US EPA Region IX Preliminary Remediation Goals (PRGs), and California and site-specific background levels. These references are generally accepted screening criteria for preliminary data review. The PRGs are based on several specific scenarios (e.g. residential) of exposure to a single chemical in soil. These comparisons are intended for screening only and are ultraconservative.

The Region 9 US EPA California Modified Preliminary Remediation Goal (PRG) concentration value for arsenic risk is established as 0.062 mg/kg. Because this screening level is orders of magnitude below naturally occurring arsenic concentrations typical of California, it is very likely that any soil sample collected in the Central Valley will have an arsenic value above the published US EPA PRG for arsenic. Therefore the arsenic levels reported for the site are obviously above the PRGs.

When compared to naturally occurring arsenic concentrations in California, the average recorded arsenic concentration for the site is below the 95th upper confidence limit (11 mg/kg) identified in *Naturally Occurring Concentrations of Inorganic Chemicals in Ground Water and Soil at California Air Force Installations*, (Hunter, P.M., B.K. Davis, F. Roach 2005) as the best data on background levels of arsenic in California.

WKA further evaluated the arsenic data using the US EPA ProUCL program along with simple statistical analyses. Site arsenic concentrations were compared to background arsenic concentrations to determine whether one or two statistical population groups were indicated. Table 2 through Table 5 present the statistical evaluations discussed below.

On the basis of direct comparative statistical evaluation, WKA cannot screen out arsenic as a chemical of potential concern solely on the basis of a comparison of means, or comparison of site mean to background maximum concentration (a methodology employed by the California Department of Toxic Substances Control (DTSC)). The site mean (shown in Table 2) exceeds both the background mean and the background maximum concentration (Table 5). WKA therefore conducted additional screening evaluation.

Both the background and site concentrations were next evaluated together, as shown in Table 4. The resultant population distribution is determined to be normal, which supports the argument that background sample concentrations may simply be representative of the lower range of a single population group. Table 5 shows graphical views of the raw site data and the natural log transformed data. Graphical analysis of all arsenic samples taken together again supports normal distribution, suggesting that background and site concentrations can be interpreted as belonging

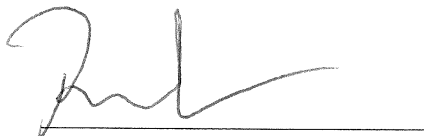
to a single statistical population. Given this interpretation, detected site arsenic appears generally related to ambient arsenic concentration, and therefore does not necessarily represent an anthropogenic arsenic source.

Published reports indicate that soils in California frequently contain elevated levels of naturally occurring arsenic. Consequently, environmental regulatory agencies routinely do not require further action with respect to naturally occurring arsenic in soil for concentrations within an acceptable risk range. For example, in WKA's recent experience with State mandated cleanup actions, the DTSC has permitted arsenic concentrations above the 11 mg/kg maximum site concentration detected. The DTSC has accepted cleanup goals as high as 18 mg/kg (Plumas Ranch Elementary School, Yuba County (WKA 5490.14P)). Consequently, the levels of arsenic found at the site would not be expected to require further action based on current site conditions and background concentrations of arsenic. There is little likelihood that the DTSC would request further action on this site with respect to arsenic, and WKA recommends no further action with respect to this issue. In WKA's opinion, the environmental issues raised in the Phase 1 and Phase 2 reports performed by WKA with respect to this site have been satisfactorily resolved.

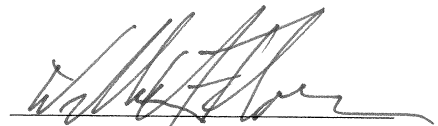
Limitations

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



William Flores, P.G.
Senior Geologist

RLW:WF:lmb

Attachments

N:\Dept7\6915.02 UCD West Village Phase 2 Additional

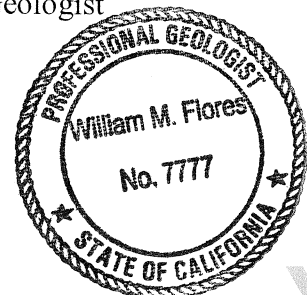


TABLE 1
SUMMARY OF DISCRETE ARSENIC SOIL ANALYSIS - 6915.02 UCD WEST VILLAGE PROPERTY

Sample Identification											
Discrete Sample No.	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	STLC/ TTLC	USEPA PRG* (Res)	DTSC Background**
Total Arsenic (mg/kg)	6.9	6.4	7.3	7.9	8.7	7.8	8.6	8.2	5/500	0.39/0.062	11
Discrete Sample No.	SS-9	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16			
Total Arsenic (mg/kg)	11.0	8.0	6.9	8.0	8.9	8.0	9.1	8.0	5/500	0.39/0.062	11
Discrete Sample No.	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23	SS-24			
Total Arsenic (mg/kg)	7.5	7.8	7.3	8.9	7.3	8.3	8.1	10.0	5/500	0.39/0.062	11
Discrete Sample No.	SS-25	SS-26	SS-27	SS-28	SS-29	SS-30	SS-31	SS-32			
Total Arsenic (mg/kg)	10.0	8.3	8.2	8.2	7.3	9.0	8.1	7.3	5/500	0.39/0.062	11

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
 ** "Naturally Occurring Concentrations of Inorganic Chemicals in Groundwater and Soil at California Air Force Installations. March 10, 2005

Table 2
UCD West Village
Site Arsenic

Data File		Variable: Site Arsenic	
Raw Statistics		Normal Distribution Test	
Number of Valid Samples	32	Shapiro-Wilk Test Statistic	0.939366
Number of Unique Samples	17	Shapiro-Wilk 5% Critical Value	0.93
Minimum	6.4	Data are normal at 5% significance level	
Maximum	11		
Mean	8.165625	95% UCL (Assuming Normal Distribution)	
Median	8.05	Student	8.454984
Standard Deviation	0.965405		
Variance	0.932006	Gamma Distribution Test	
Coefficient of Variation	0.118228	A-D Test Statistic	0.54183
Skewness	0.929729	A-D 5% Critical Value	0.744954
		K-S Test Statistic	0.146586
Gamma Statistics		K-S 5% Critical Value	0.155007
k hat	77.4689	Data follow gamma distribution	
k star (bias corrected)	70.22703	at 5% significance level	
Theta hat	0.105405		
Theta star	0.116275	95% UCLs (Assuming Gamma Distribution)	
nu hat	4958.01	Approximate Gamma UCL	8.456969
nu star	4494.53	Adjusted Gamma UCL	8.472798
Approx. Chi Square Value (.05)	4339.692		
Adjusted Level of Significance	0.0416	Lognormal Distribution Test	
Adjusted Chi Square Value	4331.585	Shapiro-Wilk Test Statistic	0.965415
		Shapiro-Wilk 5% Critical Value	0.93
Log-transformed Statistics		Data are lognormal at 5% significance level	
Minimum of log data	1.856298		
Maximum of log data	2.397895	95% UCLs (Assuming Lognormal Distribution)	
Mean of log data	2.093465	95% H-UCL	8.457665
Standard Deviation of log data	0.114456	95% Chebyshev (MVUE) UCL	8.886479
Variance of log data	0.0131	97.5% Chebyshev (MVUE) UCL	9.19883
		99% Chebyshev (MVUE) UCL	9.812385
		95% Non-parametric UCLs	
		CLT UCL	8.446337
		Adj-CLT UCL (Adjusted for skewness)	8.476308
		Mod-t UCL (Adjusted for skewness)	8.459659
		Jackknife UCL	8.454984
		Standard Bootstrap UCL	8.43806
		Bootstrap-t UCL	8.458993
RECOMMENDATION		Hall's Bootstrap UCL	8.526661
Data are normal (0.05)		Percentile Bootstrap UCL	8.44375
		BCA Bootstrap UCL	8.475
Use Student's-t UCL		95% Chebyshev (Mean, Sd) UCL	8.909519
		97.5% Chebyshev (Mean, Sd) UCL	9.231403
		99% Chebyshev (Mean, Sd) UCL	9.863681

Table 3
UCD West Village
Background Arsenic

Data File		Variable: Background Arsenic	
Raw Statistics		Normal Distribution Test	
Number of Valid Samples	4	Shapiro-Wilk Test Statistic	0.973869
Number of Unique Samples	4	Shapiro-Wilk 5% Critical Value	0.748
Minimum	4.9	Data are normal at 5% significance level	
Maximum	6.1		
Mean	5.475	95% UCL (Assuming Normal Distribution)	
Median	5.45	Student	6.100415
Standard Deviation	0.531507		
Variance	0.2825	Gamma Distribution Test	
Coefficient of Variation	0.097079	A-D Test Statistic	0.2357
Skewness	0.198134	A-D 5% Critical Value	0.65652
		K-S Test Statistic	0.219155
Gamma Statistics		K-S 5% Critical Value	0.39399
k hat	141.8063	Data follow gamma distribution	
k star (bias corrected)	35.61823	at 5% significance level	
Theta hat	0.038609		
Theta star	0.153713	95% UCLs (Assuming Gamma Distribution)	
nu hat	1134.45	Approximate Gamma UCL	6.320177
nu star	284.9459	Adjusted Gamma UCL	N/A
Approx. Chi Square Value (.05)	246.8409		
Adjusted Level of Significance	N/A	Lognormal Distribution Test	
Adjusted Chi Square Value	N/A	Shapiro-Wilk Test Statistic	0.9755
		Shapiro-Wilk 5% Critical Value	0.748
Log-transformed Statistics		Data are lognormal at 5% significance level	
Minimum of log data	1.589235		
Maximum of log data	1.808289	95% UCLs (Assuming Lognormal Distribution)	
Mean of log data	1.696662	95% H-UCL	N/A
Standard Deviation of log data	0.096995	95% Chebyshev (MVUE) UCL	6.631547
Variance of log data	0.009408	97.5% Chebyshev (MVUE) UCL	7.131996
		99% Chebyshev (MVUE) UCL	8.115032
		95% Non-parametric UCLs	
		CLT UCL	5.912126
		Adj-CLT UCL (Adjusted for skewness)	5.940257
		Mod-t UCL (Adjusted for skewness)	6.104803
		Jackknife UCL	6.100415
		Standard Bootstrap UCL	N/R
		Bootstrap-t UCL	N/R
RECOMMENDATION		Hall's Bootstrap UCL	N/R
Data are normal (0.05)		Percentile Bootstrap UCL	N/R
		BCA Bootstrap UCL	N/R
Use Student's-t UCL		95% Chebyshev (Mean, Sd) UCL	6.633393
		97.5% Chebyshev (Mean, Sd) UCL	7.134631
		99% Chebyshev (Mean, Sd) UCL	8.119215
Recommended UCL exceeds the maximum observation			

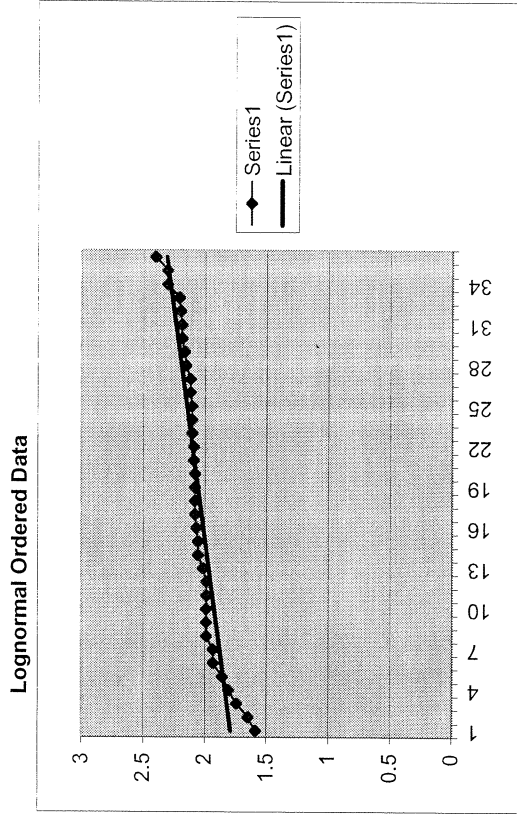
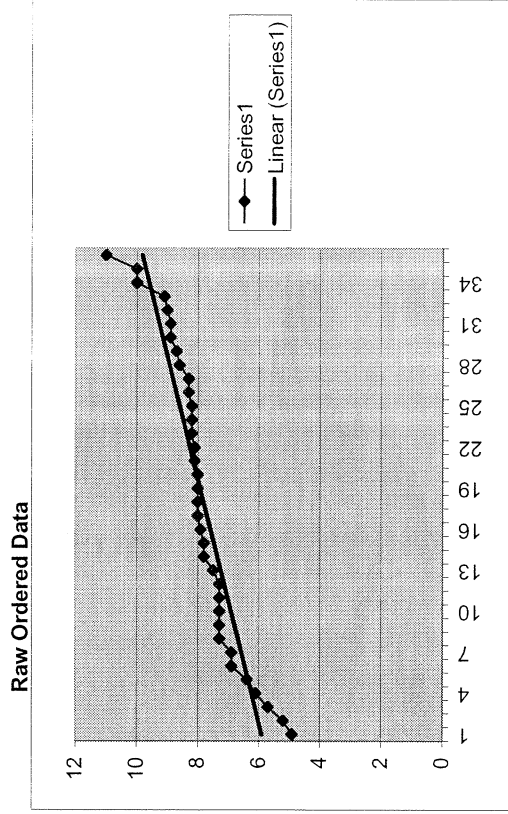
Table 4
UCD West Village
Site and Background Arsenic

Data File		Variable: Site and Background Arsenic	
Raw Statistics		Normal Distribution Test	
Number of Valid Samples	36	Shapiro-Wilk Test Statistic	0.965082
Number of Unique Samples	21	Shapiro-Wilk 5% Critical Value	0.935
Minimum	4.9	Data are normal at 5% significance level	
Maximum	11		
Mean	7.866667	95% UCL (Assuming Normal Distribution)	
Median	8	Student's-t UCL	8.221202
Standard Deviation	1.259025		
Variance	1.585143	Gamma Distribution Test	
Coefficient of Variation	0.160045	A-D Test Statistic	0.793432
Skewness	-0.146713	A-D 5% Critical Value	0.745672
		K-S Test Statistic	0.150163
Gamma Statistics		K-S 5% Critical Value	0.146436
k hat	37.87769	Data do not follow gamma distribution	
k star (bias corrected)	34.73973	at 5% significance level	
Theta hat	0.207686		
Theta star	0.226446	95% UCLs (Assuming Gamma Distribution)	
nu hat	2727.194	Approximate Gamma UCL	8.246523
nu star	2501.261	Adjusted Gamma UCL	8.264135
Approx. Chi Square Value (.05)	2386.046		
Adjusted Level of Significance	0.0428	Lognormal Distribution Test	
Adjusted Chi Square Value	2380.961	Shapiro-Wilk Test Statistic	0.937821
		Shapiro-Wilk 5% Critical Value	0.935
Log-transformed Statistics		Data are lognormal at 5% significance level	
Minimum of log data	1.589235		
Maximum of log data	2.397895	95% UCLs (Assuming Lognormal Distribution)	
Mean of log data	2.049376	95% H-UCL	8.27014
Standard Deviation of log data	0.168537	95% Chebyshev (MVUE) UCL	8.840019
Variance of log data	0.028405	97.5% Chebyshev (MVUE) UCL	9.259337
		99% Chebyshev (MVUE) UCL	10.083
		95% Non-parametric UCLs	
		CLT UCL	8.211819
		Adj-CLT UCL (Adjusted for skewness)	8.206336
		Mod-t UCL (Adjusted for skewness)	8.220347
		Jackknife UCL	8.221202
		Standard Bootstrap UCL	8.205635
		Bootstrap-t UCL	8.20277
RECOMMENDATION		Hall's Bootstrap UCL	8.248901
Data are normal (0.05)		Percentile Bootstrap UCL	8.205556
		BCA Bootstrap UCL	8.2
Use Student's-t UCL		95% Chebyshev (Mean, Sd) UCL	8.781327
		97.5% Chebyshev (Mean, Sd) UCL	9.177101
		99% Chebyshev (Mean, Sd) UCL	9.954523

Table 5
UCD West Village Arsenic

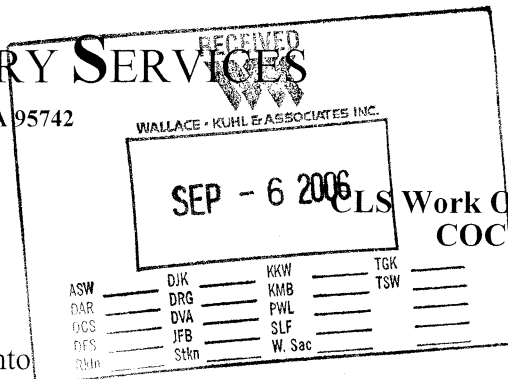
Arsenic Concentrations (mg/kg)

Sample ID	Raw	Raw Ordered	Ln Transformed
BG-1	5.2	4.9	1.589235205
BG-2	5.7	5.2	1.648658626
BG-3	6.1	5.7	1.740466175
BG-4	4.9	6.1	1.808288771
SS-1	6.9	6.4	1.85629799
SS-2	6.4	6.9	1.931521412
SS-3	7.3	6.9	1.931521412
SS-4	7.9	7.3	1.987874348
SS-5	8.7	7.3	1.987874348
SS-6	7.8	7.3	1.987874348
SS-7	8.6	7.3	1.987874348
SS-8	8.2	7.3	1.987874348
SS-9	11.0	7.5	2.014903021
SS-10	8.0	7.8	2.054123734
SS-11	6.9	7.8	2.054123734
SS-12	8.0	7.9	2.066862759
SS-13	8.9	8.0	2.079441542
SS-14	8.0	8.0	2.079441542
SS-15	9.1	8.0	2.079441542
SS-16	8.0	8.0	2.079441542
SS-17	7.5	8.1	2.091864062
SS-18	7.8	8.1	2.091864062
SS-19	7.3	8.2	2.104134154
SS-20	8.9	8.2	2.104134154
SS-21	7.3	8.2	2.104134154
SS-22	8.3	8.3	2.116255515
SS-23	8.1	8.3	2.116255515
SS-24	10.0	8.6	2.151762203
SS-25	10.0	8.7	2.163323026
SS-26	8.3	8.9	2.186051277
SS-27	8.2	8.9	2.186051277
SS-28	8.2	9.0	2.197224577
SS-29	7.3	9.1	2.208274414
SS-30	9.0	10.0	2.302585093
SS-31	8.1	10.0	2.302585093
SS-32	7.3	11.0	2.397895273



CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742



August 31, 2006

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 08/29/06 17:21. 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

Work Order #CPH1035

The final report package for work order #CPH1035 is an extension of the original work order # CPG0796. The original chain of custody was returned with the original report package.

CALIFORNIA LABORATORY SERVICES

08/31/06 14:23

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 #: CPH1034 COC #: 63657,58,59,60
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Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-1 (CPH1034-01) Soil	Sampled: 07/24/06 09:15 Received: 08/29/06 17:21								
Arsenic	6.9	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-2 (CPH1034-02) Soil	Sampled: 07/24/06 09:19 Received: 08/29/06 17:21								
Arsenic	6.4	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-3 (CPH1034-03) Soil	Sampled: 07/24/06 09:30 Received: 08/29/06 17:21								
Arsenic	7.3	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-4 (CPH1034-04) Soil	Sampled: 07/24/06 09:35 Received: 08/29/06 17:21								
Arsenic	7.9	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-5 (CPH1034-06) Soil	Sampled: 07/24/06 12:12 Received: 08/29/06 17:21								
Arsenic	8.7	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-6 (CPH1034-07) Soil	Sampled: 07/24/06 12:25 Received: 08/29/06 17:21								
Arsenic	7.8	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-7 (CPH1034-08) Soil	Sampled: 07/24/06 12:15 Received: 08/29/06 17:21								
Arsenic	8.6	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-8 (CPH1034-09) Soil	Sampled: 07/24/06 12:30 Received: 08/29/06 17:21								
Arsenic	8.2	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-9 (CPH1034-11) Soil	Sampled: 07/24/06 10:24 Received: 08/29/06 17:21								
Arsenic	11	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-10 (CPH1034-12) Soil	Sampled: 07/24/06 10:30 Received: 08/29/06 17:21								
Arsenic	8.0	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-11 (CPH1034-13) Soil	Sampled: 07/24/06 10:35 Received: 08/29/06 17:21								
Arsenic	6.9	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-12 (CPH1034-14) Soil	Sampled: 07/24/06 10:40 Received: 08/29/06 17:21								
Arsenic	8.0	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-13 (CPH1034-16) Soil	Sampled: 07/24/06 09:50 Received: 08/29/06 17:21								
Arsenic	8.9	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-14 (CPH1034-17) Soil	Sampled: 07/24/06 10:08 Received: 08/29/06 17:21								
Arsenic	8.0	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-15 (CPH1034-18) Soil	Sampled: 07/24/06 09:58 Received: 08/29/06 17:21								
Arsenic	9.1	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-16 (CPH1034-19) Soil	Sampled: 07/24/06 10:12 Received: 08/29/06 17:21								

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

08/31/06 14:23

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 #: CPH1034
COC #: 63657,58,59,60

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-16 (CPH1034-19) Soil	Sampled: 07/24/06 10:12		Received: 08/29/06 17:21						
Arsenic	8.0	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-17 (CPH1034-21) Soil	Sampled: 07/24/06 12:38		Received: 08/29/06 17:21						
Arsenic	7.5	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-18 (CPH1034-22) Soil	Sampled: 07/24/06 12:45		Received: 08/29/06 17:21						
Arsenic	7.8	1.0	mg/kg	4	CP06629	08/30/06	08/30/06	EPA 7060A	
SS-19 (CPH1034-23) Soil	Sampled: 07/24/06 13:03		Received: 08/29/06 17:21						
Arsenic	7.3	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	
SS-20 (CPH1034-24) Soil	Sampled: 07/24/06 13:20		Received: 08/29/06 17:21						
Arsenic	8.9	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	
SS-21 (CPH1034-26) Soil	Sampled: 07/24/06 14:42		Received: 08/29/06 17:21						
Arsenic	7.3	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	
SS-22 (CPH1034-27) Soil	Sampled: 07/24/06 14:11		Received: 08/29/06 17:21						
Arsenic	8.3	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	
SS-23 (CPH1034-28) Soil	Sampled: 07/24/06 14:48		Received: 08/29/06 17:21						
Arsenic	8.1	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	
SS-24 (CPH1034-29) Soil	Sampled: 07/24/06 14:35		Received: 08/29/06 17:21						
Arsenic	10	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	
SS-25 (CPH1034-31) Soil	Sampled: 07/24/06 14:05		Received: 08/29/06 17:21						
Arsenic	10	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	
SS-26 (CPH1034-32) Soil	Sampled: 07/24/06 14:00		Received: 08/29/06 17:21						
Arsenic	8.3	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	
SS-27 (CPH1034-33) Soil	Sampled: 07/24/06 13:45		Received: 08/29/06 17:21						
Arsenic	8.2	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	
SS-28 (CPH1034-34) Soil	Sampled: 07/24/06 13:40		Received: 08/29/06 17:21						
Arsenic	8.2	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	
SS-29 (CPH1034-36) Soil	Sampled: 07/24/06 11:30		Received: 08/29/06 17:21						
Arsenic	7.3	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	
SS-30 (CPH1034-37) Soil	Sampled: 07/24/06 11:35		Received: 08/29/06 17:21						
Arsenic	9.0	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	
SS-31 (CPH1034-38) Soil	Sampled: 07/24/06 11:20		Received: 08/29/06 17:21						

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CALIFORNIA LABORATORY SERVICES

08/31/06 14:23

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 #: CPH1034
COC #: 63657,58,59,60

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-31 (CPH1034-38) Soil Sampled: 07/24/06 11:20 Received: 08/29/06 17:21									
Arsenic	8.1	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	
SS-32 (CPH1034-39) Soil Sampled: 07/24/06 11:25 Received: 08/29/06 17:21									
Arsenic	7.3	1.0	mg/kg	4	CP06641	08/30/06	08/30/06	EPA 7060A	

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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 CP06629 - EPA 3050B										
Blank (CP06629-BLK1)				Prepared & Analyzed: 08/30/06						
Arsenic	ND	1.0	mg/kg							
LCS (CP06629-BS1)				Prepared & Analyzed: 08/30/06						
Arsenic	5.26	1.0	mg/kg	5.00		105	75-125		25	
LCS Dup (CP06629-BSD1)				Prepared & Analyzed: 08/30/06						
Arsenic	5.32	1.0	mg/kg	5.00		106	75-125	1.13	25	
Matrix Spike (CP06629-MS1)				Source: CPH1041-05		Prepared & Analyzed: 08/30/06				
Arsenic	8.06	1.0	mg/kg	5.00	4.6	69.2	75-125		30	QM-5
Matrix Spike Dup (CP06629-MSD1)				Source: CPH1041-05		Prepared & Analyzed: 08/30/06				
Arsenic	6.86	1.0	mg/kg	5.00	4.6	45.2	75-125	16.1	30	QM-5
Batch CP06641 - EPA 3050B										
Blank (CP06641-BLK1)				Prepared & Analyzed: 08/30/06						
Arsenic	ND	1.0	mg/kg							
LCS (CP06641-BS1)				Prepared & Analyzed: 08/30/06						
Arsenic	5.04	1.0	mg/kg	5.00		101	75-125		25	
LCS Dup (CP06641-BSD1)				Prepared & Analyzed: 08/30/06						
Arsenic	5.04	1.0	mg/kg	5.00		101	75-125	0.00	25	
Matrix Spike (CP06641-MS1)				Source: CPH1034-23		Prepared & Analyzed: 08/30/06				
Arsenic	12.4	1.0	mg/kg	5.00	7.3	102	75-125		30	

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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
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Batch CP06641 - EPA 3050B

Matrix Spike Dup (CP06641-MSD1)

Source: CPH1034-23

Prepared & Analyzed: 08/30/06

Arsenic	12.6	1.0	mg/kg	5.00	7.3	106	75-125	1.60	30	
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Notes and Definitions

- 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