App. 4.2.2

California Environmental Protection Agency
Department of Toxic Substances Control
Environmental Chemistry Laboratory (Inorganic Section)
700 Heinz Ave., Suite 100, Berkeley, CA 94710
Phone: (510) 540-3003

ANALYTICAL LABORATORY REPORT - For Wet Analysis

Requestor's Name: Martin Snider
Address: 700 Heinz Ave., Suite 100
Berkeley, CA 94710
Site of Sampling: UCCERICHMOND FIELD STATION
1301 South 46th Street, Bldg 478
Richmond, CA 94804

Date Collected: 10/19/2006
Date Received: 2/23/2007
Date Extracted: 2/28/2007
Date Analyzed: 3/6/2007

Analytical Procedure: Samples are extracted with 0.2 M Citrate buffer, pH 5.0 with constant agitation for 48 hours, followed by filtration through a 0.45 micro membrane filter. Ratio of buffer to sample is 100 ml -> 10 g. Metal analysis of the extract is by ICPAES (EPA #6010B).

Method: ECL S.O.P. 910 California Waste Extraction Test Units: mg/L

ECL Number:	AQ01168	AQ01169	AQ01170	AQ01171	AQ01172	Method	Method
Col. Sample No.:	DFCONTROL-COMP1	DFCONTROL-COMP2	DFCONTROL-COMP3	DFCONTROL-COMP4	CADF-COMP1	Blank	Detection
Sample Type:	Wood	Wood	Wood	Wood	Wood		Limit
Analyte							
Arsenic-As	ND	ND	ND	ND	ND	ND	0.05
Barium-Ba	0.91	0.75	1.01	0.87	ND	ND	0.04
Beryllium-Be	ND	ND	ND	ND	ND	ND	0.01
Cadmium-Cd	ND	ND	ND	ND	ND	ND	0.02
Chromium-Cr	ND	ND	ND	ND	ND	ND	0.04
Cobalt-Co	ND	ND	ND	ND	ND	ND	0.03
Copper-Cu	ND	ND	ND	ND	213	ND	0.1
Lead-Pb	ND	ND	ND	ND	ND	ND	0.05
Molybdenum-Mo	ND	ND	ND	ND	ND	ND	0.05
Nickel-Ni	ND	ND	ND	ND	ND	ND	0.05
Selenium-Se	ND	ND	ND	ND	ND	ND	0.05
Thallium-Tl	ND	ND	ND	ND	ND	ND	0.04
Vanadium-V	ND	ND	ND	ND	ND	ND	0.02
Zinc-Zn	0.47	0.68	0.41	0.62	0.66	ND	0.04

comments: ND=Not Detected

Staff Chemist
Merlyn De Guzman
3/9/07 Date

Sample Prepared By
Zenaida Odion
3/9/07 Date

Section Lead Chemist
Jarnail Garcha
3/12/07 Date

source file: C:\pe\Administrator\Reports\6MAR07.csv

Cu mg/L WET
n=4
DFCONTROL $\bar{x}$ = ND s RSD
CA DF 218.0 ± 19.6 (9.0%)
CA ACQ-DF 364.5 ± 9.57 (2.63%)
CA HF 467.8 ± 31.76 (6.79%)

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Requestor's Name: Martin Snider
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Site of Sampling: UCCERICHMOND FIELD STATION
1301 South 46th Street, Bldg 478
Richmond, CA 94804

Date Collected: 10/19/2006
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Analytical Procedure: Samples are extracted with 0.2 M Citrate buffer, pH 5.0 with constant agitation for 48 hours, followed by filtration through a 0.45 micro membrane filter. Ratio of buffer to sample is 100 ml -> 10 g. Metal analysis of the extract is by ICPAES (EPA #6010B).

Method: ECL S.O.P. 910 California Waste Extraction Test Units: mg/L

ECL Number:	AQ01173	AQ01174	AQ01175	AQ01176	AQ01177	Method	Method
Col. Sample No.:	CADF-COMP2	CADF-COMP3	CADF-COMP4	ACQDF-COMP1	ACQDF-COMP2	Blank	Detection
Sample Type:	Wood	Wood	Wood	Wood	Wood		Limit
Analyte							
Arsenic-As	ND	ND	ND	ND	ND	ND	0.05
Barium-Ba	0.43	ND	0.40	0.45	ND	ND	0.04
Beryllium-Be	ND	ND	ND	ND	ND	ND	0.01
Cadmium-Cd	ND	ND	ND	ND	ND	ND	0.02
Chromium-Cr	ND	ND	ND	ND	ND	ND	0.04
Cobalt-Co	ND	ND	ND	ND	ND	ND	0.03
Copper-Cu	198	245	216	364	356	ND	0.1
Lead-Pb	ND	ND	ND	ND	ND	ND	0.05
Molybdenum-Mo	ND	ND	ND	ND	ND	ND	0.05
Nickel-Ni	ND	ND	ND	ND	ND	ND	0.05
Selenium-Se	ND	ND	ND	ND	ND	ND	0.05
Thallium-Tl	ND	ND	ND	ND	ND	ND	0.04
Vanadium-V	ND	ND	ND	ND	ND	ND	0.02
Zinc-Zn	0.65	0.65	0.74	1.23	1.09	ND	0.04

comments: ND=Not Detected

Merlyn de Guzman 3/9/07
Staff Chemist Date
Merlyn De Guzman

Zenaida Odion 3/9/07
Sample Prepared By Date
Zenaida Odion

JGarcha 3/12/07
Section Lead Chemist Date
Jamail Garcha

MDG (Rev.) 3/9/07

source file: C:\pe\AdministratorReports\6MAR07.csv

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Department of Toxic Substances Control
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700 Heinz Ave., Suite 100, Berkeley, CA 94710
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ANALYTICAL LABORATORY REPORT - For Wet Analysis

Requestor's Name: Martin Snider
Address: 700 Heinz Ave., Suite 100
Berkeley, CA 94710
Site of Sampling: UCCERICHMOND FIELD STATION
1301 South 46th Street, Bldg 478
Richmond, CA 94804

Date Collected: 10/19/2006
Date Received: 2/23/2007
Date Extracted: 2/28/2007
Date Analyzed: 3/6/2007

Analytical Procedure: Samples are extracted with 0.2 M Citrate buffer, pH 5.0 with constant agitation for 48 hours, followed by filtration through a 0.45 micro membrane filter. Ratio of buffer to sample is 100 ml -> 10 g. Metal analysis of the extract is by ICPAES (EPA #6010B).

Method: ECL S.O.P. 910 California Waste Extraction Test Units: mg/L

ECL Number:	AQ01178	AQ01179	AQ01180	AQ01181	AQ01182	Method	Method
Col. Sample No.:	ACQDF-COMP3	ACQDF-COMP4	CAHF-COMP1	CAHF-COMP2	CAHF-COMP3	Blank	Detection
Sample Type:	Wood	Wood	Wood	Wood	Wood		Limit
Analyte							
Arsenic-As	1.77	ND	ND	ND	ND	ND	0.05
Barium-Ba	ND	0.42	1.76	1.89	1.98	ND	0.04
Beryllium-Be	ND	ND	ND	ND	ND	ND	0.01
Cadmium-Cd	ND	ND	ND	ND	ND	ND	0.02
Chromium-Cr	ND	ND	ND	ND	ND	ND	0.04
Cobalt-Co	ND	ND	ND	ND	ND	ND	0.03
Copper-Cu	360	378	447	457	452	ND	0.1
Lead-Pb	ND	ND	ND	0.53	0.56	ND	0.05
Molybdenum-Mo	ND	ND	ND	ND	ND	ND	0.05
Nickel-Ni	ND	ND	ND	ND	ND	ND	0.05
Selenium-Se	ND	ND	ND	ND	ND	ND	0.05
Thallium-Tl	ND	ND	ND	ND	ND	ND	0.04
Vanadium-V	ND	ND	ND	ND	ND	ND	0.02
Zinc-Zn	5.17	1.16	1.36	1.33	1.52	ND	0.04

comments: ND=Not Detected

Merlyn de Guzman 3/9/07
Staff Chemist Date
Merlyn De Guzman

Zenaida Odion 3/9/07
Sample Prepared By Date
Zenaida Odion

JS Garcha 3/12/07
Section Lead Chemist Date
Jarnail Garcha

MGD (REV.) 3/9/07
source file: C:\pe\Administrator\Reports\6MAR07.csv

California Environmental Protection Agency
Department of Toxic Substances Control
Environmental Chemistry Laboratory (Inorganic Section)
700 Heinz Ave., Suite 100, Berkeley, CA 94710
Phone: (510) 540-3003

For ECL No.: AQ01168
to AQ01184
Authorization No.: 06EC0174
Page 4
of 4

ANALYTICAL LABORATORY REPORT - For Wet Analysis

Requestor's Name: Martin Snider
Address: 700 Heinz Ave., Suite 100
Berkeley, CA 94710
Site of Sampling: UCCERICHMOND FIELD STATION
1301 South 46th Street, Bldg 478
Richmond, CA 94804

Date Collected: 10/19/2006
Date Received: 2/23/2007
Date Extracted: 2/28/2007
Date Analyzed: 3/6/2007

Analytical Procedure: Samples are extracted with 0.2 M Citrate buffer, pH 5.0 with constant agitation for 48 hours, followed by filtration through a 0.45 micro membrane filter. Ratio of buffer to sample is 100 ml -> 10 g. Metal analysis of the extract is by ICPAES (EPA #6010B).

Method: ECL S.O.P. 910 California Waste Extraction Test Units: mg/L

ECL Number:	AQ01183	*MB - Wood				Method	Method
Col. Sample No.:	CAHF-COMP4	Composite				Blank	Detection
Sample Type:	Wood	Wood					Limit
Analyte							
Arsenic-As	ND	ND				ND	0.05
Barium-Ba	1.81	0.60				ND	0.04
Beryllium-Be	ND	ND				ND	0.01
Cadmium-Cd	ND	ND				ND	0.02
Chromium-Cr	ND	ND				ND	0.04
Cobalt-Co	ND	ND				ND	0.03
Copper-Cu	515	ND				ND	0.1
Lead-Pb	ND	ND				ND	0.05
Molybdenum-Mo	ND	ND				ND	0.05
Nickel-Ni	ND	ND				ND	0.05
Selenium-Se	ND	ND				ND	0.05
Thallium-Tl	ND	ND				ND	0.04
Vanadium-V	ND	ND				ND	0.02
Zinc-Zn	1.49	0.44				ND	0.04

comments: ND=Not Detected
*Composite of AQ01184 to AQ01196.

Merlyn De Guzman 3/9/07
Staff Chemist Date
Merlyn De Guzman

Zenaida Odion 3/9/07
Sample Prepared By Date
Zenaida Odion

JGarcha 3/12/07
Section Lead Chemist Date
Jarnail Garcha
MDG (Rev.) 3/9/07

source file: C:\pe\Administrator\Reports\6MAR07.csv

California Department of Toxic Substances Control
Environmental Chemistry Laboratory
Inorganic Section

ECL Number: AQ01168 to AQ01184

Page 1 of 3

Quality Control Report for Metals by ICP

Element	Liquid Lab QC Sample mg/kg known	found	%	Continuing Calibration Verification mg/L known	found	%	Duplicate Spiked Sample Spike results mg/kg MS	MSD	RPD	ECL No.: AQ01174 Unspiked Result(mg/l)	Spike Added (mg/kg)	Matrix: Extract % Recovery MS	MSD	Control Limits Mean Rec. Min %	Max %	RPD %
Arsenic-As				10.0	10.6	106	62.4	62.6	0	ND	50.0	125	125	70.0	130	20.0
Barium-Ba				10.0	9.81	98.1	51.0	51.2	0	ND	50.0	102	102	70.0	130	20.0
Beryllium-Be				10.0	10.0	100	10.4	10.4	0	ND	10.0	104	104	70.0	130	20.0
Cadmium-Cd				10.0	10.2	102	53.1	53.4	0.94	ND	50.0	106	107	70.0	130	20.0
Chromium-Cr				10.0	9.89	98.9	52.0	52.1	0	ND	50.0	104	104	70.0	130	20.0
Cobalt-Co				10.0	10.1	101	52.5	52.7	0	ND	50.0	105	105	70.0	130	20.0
Copper-Cu				10.0	9.88	98.8	294	296	4.00	245	50.0	98.0	102	70.0	130	20.0
Lead-Pb				10.0	9.87	98.7	51.4	52.2	0.97	ND	50.0	103	104	70.0	130	20.0
Molybdenum-Mo				10.0	9.95	99.5	54.1	54.3	0.92	ND	50.0	108	109	70.0	130	20.0
Nickel-Ni				10.0	9.96	99.6	52.6	52.8	0.95	ND	50.0	105	106	70.0	130	20.0
Selenium-Se				10.0	10.6	106	70.8	70.9	0	ND	50.0	142	142	70.0	130	20.0
Thallium-Tl				10.0	9.79	97.9	55.5	56.0	0.90	ND	50.0	111	112	70.0	130	20.0
Vanadium-V				10.0	9.86	98.6	52.7	52.7	0	ND	50.0	105	105	70.0	130	20.0
Zinc-Zn				10.0	10.5	105	56.1	56.4	0.90	0.65	50.0	111	112	70.0	130	20.0

Element	Liquid Lab QC Sample mg/kg known	found	%	Initial Calibration Verification mg/L known	found	%	Duplicate Spiked Sample Spike results mg/kg MS	MSD	RPD	ECL No.: AQ01181 Unspiked Result(mg/l)	Spike Added (mg/kg)	Matrix: Extract % Recovery MS	MSD	Control Limits Mean Rec. Min %	Max %	RPD %
Arsenic-As				1.00	1.09	109	62.2	62.3	0.80	ND	50.0	124	125	70.0	130	20.0
Barium-Ba				1.00	1.01	101	53.2	53.3	0	1.89	50.0	103	103	70.0	130	20.0
Beryllium-Be				1.00	1.02	102	10.6	10.6	0	ND	10.0	106	106	70.0	130	20.0
Cadmium-Cd				1.00	1.04	104	53.3	53.4	0	ND	50.0	107	107	70.0	130	20.0
Chromium-Cr				1.00	1.03	103	52.4	52.3	0	ND	50.0	105	105	70.0	130	20.0
Cobalt-Co				1.00	1.05	105	52.6	52.4	0	ND	50.0	105	105	70.0	130	20.0
Copper-Cu				1.00	1.03	103	506	506	0	457	50.0	98.0	98.0	70.0	130	20.0
Lead-Pb				1.00	1.04	104	51.9	52.4	0.97	0.53	50.0	103	104	70.0	130	20.0
Molybdenum-Mo				1.00	1.01	101	54.4	54.3	0	ND	50.0	109	109	70.0	130	20.0
Nickel-Ni				1.00	1.04	104	52.7	52.8	0.95	ND	50.0	105	106	70.0	130	20.0
Selenium-Se				1.00	1.08	108	70.6	70.7	0	ND	50.0	141	141	70.0	130	20.0
Thallium-Tl				1.00	0.98	98.0	55.9	56.0	0	ND	50.0	112	112	70.0	130	20.0
Vanadium-V				1.00	1.02	102	53.1	52.9	0	ND	50.0	106	106	70.0	130	20.0
Zinc-Zn				1.00	1.07	107	57.2	57.0	0.90	1.33	50.0	112	111	70.0	130	20.0

Comments: ND=Not Detected

Staff Chemist: Merlyn De Guzman, Merlyn de Guzman Date: 3/9/07 Section Lead Chemist: Jarnail Garcha, J Garcha Date: 3/12/07

Sample Prepared By Zenaida Odion, Z. Odion Date: 3/9/07

California Environmental Protection Agency
Department of Toxic Substances Control
Environmental Chemistry Laboratory (Inorganic Section)
700 Heinz Ave., Suite 100, Berkeley, CA 94710
Phone: (510) 540-3003

ANALYTICAL LABORATORY REPORT - Replicate Analysis For Wet Metals

Requestor's Name: Martin Snider
Address: 700 Heinz Ave., Suite 100
Berkeley, CA 94710
Site of Sampling: UCCERICHMOND FIELD STATION
1301 South 46th Street, Bldg 478
Richmond, CA 94804

Date Collected: 10/19/2006
Date Received: 2/23/2007
Date Extracted: 2/28/2007
Date Analyzed: 3/6/2007

Analytical Procedure: Samples are extracted with 0.2 M Citrate buffer, pH 5.0 with constant agitation for 48 hours, followed by filtration through a 0.45 micro membrane filter. Ratio of buffer to sample is 100 ml -> 10 g. Metal analysis of the extract is by ICPAES (EPA #6010B).

Method: ECL S.O.P. 910 California Waste Extraction Test Units: mg/L

ECL Number:	AQ01173	AQ01173D	AQ01173T			Method	Method
Col. Sample No.:	CADF-COMP2	CADF-COMP3	CADF-COMP4	% RSD		Blank	Detection
Sample Type:	Wood	Wood	Wood				Limit
Analyte							
Arsenic-As	ND	ND	ND	0		ND	0.05
Barium-Ba	0.43	0.43	0.45	2.64		ND	0.04
Beryllium-Be	ND	ND	ND	0		ND	0.01
Cadmium-Cd	ND	ND	ND	0		ND	0.02
Chromium-Cr	ND	ND	ND	0		ND	0.04
Cobalt-Co	ND	ND	ND	0		ND	0.03
Copper-Cu	198	201	202	1.04		ND	0.1
Lead-Pb	ND	ND	ND	0		ND	0.05
Molybdenum-Mo	ND	ND	ND	0		ND	0.05
Nickel-Ni	ND	ND	ND	0		ND	0.05
Selenium-Se	ND	ND	ND	0		ND	0.05
Thallium-Tl	ND	ND	ND	0		ND	0.04
Vanadium-V	ND	ND	ND	0		ND	0.02
Zinc-Zn	0.65	0.64	0.65	0.89		ND	0.04

comments: ND=Not Detected

Staff Chemist
Merlyn De Guzman
3/9/07
Date

Sample Prepared By
Zenaida Odion
3/9/07
Date

Section Lead Chemist
Jarnail Garcha
3/12/07
Date

3/9/07

source file: C:\pe\Administrator\Reports\6MAR07.csv

California Environmental Protection Agency
Department of Toxic Substances Control
Environmental Chemistry Laboratory (Inorganic Section)
700 Heinz Ave., Suite 100, Berkeley, CA 94710
Phone: (510) 540-3003

ANALYTICAL LABORATORY REPORT - Replicate Anaysis For Wet Metals

Requestor's Name: Martin Snider
Address: 700 Heinz Ave., Suite 100
Berkeley, CA 94710
Site of Sampling: UCCERICHMOND FIELD STATION
1301 South 46th Street, Bldg 478
Richmond, CA 94804

Date Collected: 10/19/2006
Date Received: 2/23/2007
Date Extracted: 2/28/2007
Date Analyzed: 3/6/2007

Analytical Procedure: Samples are extracted with 0.2 M Citrate buffer, pH 5.0 with constant agitation for 48 hours, followed by filtration through a 0.45 micro membrane filter. Ratio of buffer to sample is 100 ml -> 10 g. Metal analysis of the extract is by ICPAES (EPA #6010B).

Method: ECL S.O.P. 910 California Waste Extraction Test Units: mg/L

ECL Number:	AQ01179	AQ01179D	AQ01179T			Method	Method
Col. Sample No.:	ACQDF-COMP4	ACQDF-COMP4	ACQDF-COMP4	% RSD		Blank	Detection
Sample Type:	Wood	Wood	Wood				Limit
Analyte							
Arsenic-As	ND	ND	ND	0		ND	0.05
Barium-Ba	0.42	0.41	1.76	1.38		ND	0.04
Beryllium-Be	ND	ND	ND	0		ND	0.01
Cadmium-Cd	ND	ND	ND	0		ND	0.02
Chromium-Cr	ND	ND	ND	0		ND	0.04
Cobalt-Co	ND	ND	ND	0		ND	0.03
Copper-Cu	378	375	447	0.46		ND	0.1
Lead-Pb	ND	ND	ND	0		ND	0.05
Molybdenum-Mo	ND	ND	ND	0		ND	0.05
Nickel-Ni	ND	ND	ND	0		ND	0.05
Selenium-Se	ND	ND	ND	0		ND	0.05
Thallium-Tl	ND	ND	ND	0		ND	0.04
Vanadium-V	ND	ND	ND	0		ND	0.02
Zinc-Zn	1.16	1.25	1.36	4.26		ND	0.04

comments: ND=Not Detected

Merlyn de Guzman 3/9/07
Staff Chemist Date
Merlyn De Guzman

Zenaida Odion 3/9/07
Sample Prepared By Date
Zenaida Odion

JGarcha 3/12/07
Section Lead Chemist Date
Jarnail Garcha

MDG (Rev.) 3/9/07

source file: C:\pe\Administrator\Reports\6MAR07.csv

State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Environmental Chemistry Laboratory

ENVIRONMENTAL CHEMISTRY LABORATORY SAMPLE ANALYSIS REQUEST	1. Authorization Number 06EC0174-8	ECL No.: To	2. Page 1 of 4

3. Requestor: (to Receive Results) a. Name: Martin Snider
b. Address: 700 Heinz Ave., Suite 100 (street number)
Berkeley, CA 94710 (city, state, zip)
c. Phone: (510) 849-5258 (area code first) d. Fax: (510) 540-2305 (area code first)
e. Email: msnider @dtsc.ca.gov

4. Program/Activity: HWM-RPD
5. TAT Level: 1
*Unit Chief's Signature:
(if TAT level = 1)

6. Sampling Information: a. Date/Time Sampled: 10/19/06 (mm/dd/yy) (#:## AM/PM)
b. Location: EPA ID No.
Site: UCCE-Richmond Field Station c/o Steve Quarles
Address: 1301 South 46th Street, Bldg 478 (street number)
Richmond, CA 94804 (city, state, zip)
GPS-Lat: GPS-Long:
GPS-Alt: GPS-Depth:

7. Codes (select from drop down list or fill in if applicable)
a. Office HWM 05--HQ Units
b. INDEX
c. PCA 22090
d. MPC
e. SITE
f. County

8. Samples:

a.ID	b. Collector's No.	c. ECL No.	d. Matrix	e. Container Size	f. Number of containers	g. Preservative / Field Information
1	DFControl-COMP1	AQ 01168	Wood	32 oz clear glass jar	1	Milled at ECL to <2mm sieve
2	DFControl-COMP2	AQ 01169	Wood	32 oz clear glass jar	1	Milled at ECL to <2mm sieve
3	DFControl-COMP3	AQ 01170	Wood	32 oz clear glass jar	1	Milled at ECL to <2mm sieve
4	DFControl-COMP4	AQ 01171	Wood	32 oz clear glass jar	1	Milled at ECL to <2mm sieve
5	CADF-COMP1	AQ 01172	Wood	64 oz clear glass jar	1	Milled at ECL to <2mm sieve
6	CADF-COMP2	AQ 01173	Wood	64 oz clear glass jar	1	Milled at ECL to <2mm sieve
7	CADF-COMP3	AQ 01174	Wood	64 oz clear glass jar	1	Milled at ECL to <2mm sieve
8	CADF-COMP4	AQ 01175	Wood	64 oz clear glass jar	1	Milled at ECL to <2mm sieve
9	ACQDF-COMP1	AQ 01176	Wood	64 oz clear glass jar	1	Milled at ECL to <2mm sieve

9. Analysis Requested: Enter sample IDs and sample ID ranges separated by commas. For example, 1-3, 5-7, 9

a. Inorganic Analysis	Sample(s) ID	b. Organic Analysis	Sample(s) ID
Metals Scan (ICP-AES, 6010B)	1-9		
WET (do WET regardless) (ECL910-S)	1-9		
% Dry Solids (ECL730-S)	1-9		
Other Metals:			
c. TCLP Analysis		**d. Other Analysis**	

FIELD

e. Comments for Multiphasic Samples/Analysis Priority:

10. Analysis Objective: Waste Characterization

11. Detection Limit Requirements: (Check ECL User's Manual to assure default DL is sufficient.)

12. Supplemental Requests: Enter sample IDs as described in Item 9

Desired Analysis	Sample(s) ID

Initials:
Date:

ECL

13. ECL Lab Remarks:
2/26/07

LAB

14. Chain of Custody:

	Name	Title	Signature	Inclusive Dates of Custody		
a.	Martin Snider	RSII	[signature]	10/26/2006	to	2/23/2007
b.	Caiyun Xu		Caiyun Xu	02/23/07	to	
c.					to	
d.					to	

COC

State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Environmental Chemistry Laboratory

ENVIRONMENTAL CHEMISTRY LABORATORY SAMPLE ANALYSIS REQUEST	1. Authorization Number 06EC0174-~~S~~ cx	ECL No.: To	2. Page 2 of 4

3. Requestor: (to Receive Results) a. Name: Martin Snider
b. Address: 700 Heinz Ave., Suite 100 (street number)
Berkeley, CA 94710 (city, state, zip)
c. Phone: (510) 849-5258 (area code first) d. Fax: (510) 540-2305 (area code first)
e. Email: msnider @dtsc.ca.gov

4. Program/Activity: HWM-RPD
5. TAT Level: 1
*Unit Chief's Signature:
(if TAT level = 1)

6. Sampling Information: a. Date Sampled: 10/19/06 (mm/dd/yy) (#:## AM/PM)
b. Location: EPA ID No.
Site: UCCE-Richmond Field Station c/o Steve Quarles
Address: 1301 South 46th Street, Bldg 478 (street number)
Richmond, CA 94804 (city, state, zip)
GPS-Lat: GPS-Long:
GPS-Alt: GPS-Depth:

7. Codes (select from drop down list or fill in if applicable)
a. Office HWM 05--HQ Units
b. INDEX
c. PCA 22090
d. MPC
e. SITE
f. County

8. Samples:

a.ID	b. Collector's No.	c. ECL No.	d. Matrix	e. Container Size	f. Number of containers	g. Preservative / Field Information
10	ACGDF-COMP2	AQ 01177	Wood	64 oz clear glass jar	1	Milled at ECL to <2mm sieve
11	ACQDF-COMP3	AQ 01178	Wood	64 oz clear glass jar	1	Milled at ECL to <2mm sieve
12	ACQDF-COMP4	AQ 01179	Wood	64 oz clear glass jar	1	Milled at ECL to <2mm sieve
13	CAHF-COMP1	AQ 01180	Wood	64 oz clear glass jar	1	Milled at ECL to <2mm sieve
14	CAHF-COMP2	AQ 01181	Wood	64 oz clear glass jar	1	Milled at ECL to <2mm sieve
15	CAHF-COMP3	AQ 01182	Wood	64 oz clear glass jar	1	Milled at ECL to <2mm sieve
16	CAHF-COMP4	AQ 01183	Wood	64 oz clear glass jar	1	Milled at ECL to <2mm sieve
17	MB-DF0	AQ 01184	Wood	8 oz clear glass jar	1	Milled at ECL to <2mm sieve
18	MB-CADF1	AQ 01185	Wood	8 oz clear glass jar	1	Milled at ECL to <2mm sieve

9. Analysis Requested: Enter sample IDs and sample ID ranges separated by commas. For example, 1-3, 5-7, 9

a. Inorganic Analysis	Sample(s) ID	b. Organic Analysis	Sample(s) ID
Metals Scan (ICP-AES, 6010B)	10-18		
WET (do WET regardless) (ECL910-S)	10-16		
% Dry Solids (ECL730-S)	10-16		
Other Metals:			
c. TCLP Analysis			~~10-16~~

AQ 01177
cal. # S/B
ACQDF not
G

FIELD

e. Comments for Multiphasic Samples/Analysis Priority:

10. Analysis Objective: Waste Characterization

11. Detection Limit Requirements: (Check ECL User's Manual to assure default DL is sufficient.)

12. Supplemental Requests: Enter sample IDs as described in Item 9

Desired Analysis	Sample(s) ID

Initials:
Date:

ECL

13. ECL Lab Remarks:

LAB

14. Chain of Custody:

	Name	Title	Signature	Inclusive Dates of Custody		
a.	Martin Snider	RSII	Martin Snider	10/26/2006	to	2/23/2007
b.	Caiyun Xu		Caiyun Xu	02/23/07	to	
c.					to	
d.					to	

COC

State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Environmental Chemistry Laboratory

ENVIRONMENTAL CHEMISTRY LABORATORY SAMPLE ANALYSIS REQUEST	1. Authorization Number 06EC0174-~~S~~ cx	ECL No.: _____ To _____	2. Page 3 of 4

3. Requestor: (to Receive Results) a. Name: Martin Snider
b. Address: 700 Heinz Ave., Suite 100 (street number)
Berkeley, CA 94710 (city, state, zip)
c. Phone: (510) 849-5258 (area code first) d. Fax: (510) 540-2305 (area code first)
e. Email: msnider @dtsc.ca.gov

4. Program/Activity: HWM-RPD

5. TAT Level: 1
*Unit Chief's Signature:
(if TAT level = 1)

6. Sampling Information: a. Date Sampled: 10/19/06 (mm/dd/yy)
b. Location: EPA ID No. _____ (#:## AM/PM)
Site: UCCE-Richmond Field Station c/o Steve Quarles
Address: 1301 South 46th Street, Bldg 478 (street number)
Richmond, CA 94804 (city, state, zip)
GPS-Lat: _____ GPS-Long: _____
GPS-Alt: _____ GPS-Depth: _____

7. Codes (select from drop down list or fill in if applicable)
a. Office HWM 05--HQ Units
b. INDEX _____
c. PCA 22090
d. MPC _____
e. SITE _____
f. County _____

8. Samples:

a.ID	b. Collector's No.	c. ECL No.	d. Matrix	e. Container Size	f. Number of containers	g. Preservative / Field Information
19	MB-CADF2	AQ 01186	Wood	8 oz clear glass jar	1	Milled at ECL to <2mm sieve
20	MB-CADF3	AQ 01187	Wood	8 oz clear glass jar	1	Milled at ECL to <2mm sieve
21	MB-CADF4	AQ 01188	Wood	8 oz clear glass jar	1	Milled at ECL to <2mm sieve
22	MB-ACQDF1	AQ 01189	Wood	8 oz clear glass jar	1	Milled at ECL to <2mm sieve
23	MB-ACQDF2	AQ 01190	Wood	8 oz clear glass jar	1	Milled at ECL to <2mm sieve
24	MB-ACQDF3	AQ 01191	Wood	8 oz clear glass jar	1	Milled at ECL to <2mm sieve
25	MB-ACQDF4	AQ 01192	Wood	8 oz clear glass jar	1	Milled at ECL to <2mm sieve
26	MB-CAHF1	AQ 01193	Wood	8 oz clear glass jar	1	Milled at ECL to <2mm sieve
27	MB-CAHF2	AQ 01194	Wood	8 oz clear glass jar	1	Milled at ECL to <2mm sieve

9. Analysis Requested: Enter sample IDs and sample ID ranges separated by commas. For example, 1-3, 5-7, 9

a. Inorganic Analysis	Sample(s) ID	b. Organic Analysis	Sample(s) ID
Metals Scan (ICP-AES, 6010B)	19-27		
Other Metals:			
c. TCLP Analysis		**d. Others Analysis**	

e. Comments for Multiphasic Samples/Analysis Priority:

10. Analysis Objective: Waste Characterization

11. Detection Limit Requirements: (Check ECL User's Manual to assure default DL is sufficient.)

12. Supplemental Requests: Enter sample IDs as described in Item 9

Desired Analysis	Sample(s) ID

Initials: _____
Date: _____

13. ECL Lab Remarks:

14. Chain of Custody:

	Name	Title	Signature	Inclusive Dates of Custody
a.	Martin Snider	RS II	Martin R Snider	10/26/06 to 2/23/07
b.	Caiyun Xu	Sr Lab ASST	Caiyun Xu	2/23/07 to
c.				to
d.				to

FIELD

LAB

COC

State of California
California Environmental Protection Agency

Department of Toxic Substances Control
Environmental Chemistry Laboratory

ENVIRONMENTAL CHEMISTRY LABORATORY
SAMPLE ANALYSIS REQUEST

1. Authorization Number 06EC0174-S CK

ECL No.: _____ To _____

2. Page 4 of 4

3. Requestor: (to Receive Results) a. Name: Martin Snider
b. Address: 700 Heinz Ave., Suite 100 (street number)
Berkeley, CA 94710 (city, state, zip)
c. Phone: (510) 849-5258 (area code first) d. Fax: (510) 540-2305 (area code first)
e. Email: msnider @dtsc.ca.gov

4. Program/Activity: HWM-RPD

5. TAT Level: 1

*Unit Chief's Signature:
(if TAT level = 1)

6. Sampling Information: a. Date Sampled: 10/19/06 (mm/dd/yy)
(#:## AM/PM)
b. Location: EPA ID No.
Site: UCCE-Richmond Field Station c/o Steve Quarles
Address: 1301 South 46th Street, Bldg 478 (street number)
Richmond, CA 94804 (city, state, zip)
GPS-Lat: GPS-Long:
GPS-Alt: GPS-Depth:

7. Codes (select from drop down list or fill in if applicable)
a. Office HWM 05--HQ Units
b. INDEX
c. PCA 22090
d. MPC
e. SITE
f. County

8. Samples:

a.ID	b. Collector's No.	c. ECL No.	d. Matrix	e. Container Size	f. Number of containers	g. Preservative / Field Information
28	MB-CAHF3	AQ01195	Wood	8 oz clear glass jar		Milled at ECL to <2mm sieve
29	MB-CAHF4	AQ01196	Wood	8 oz clear glass jar		Milled at ECL to <2mm sieve
30						
31						
32						
33						
34						
35						
36						

9. Analysis Requested: Enter sample IDs and sample ID ranges separated by commas. For example, 1-3, 5-7, 9

a. Inorganic Analysis	Sample(s) ID	b. Organic Analysis	Sample(s) ID
Metals Scan (ICP-AES, 6010B)	28-29		
Other Metals:			
c. TCLP Analysis		**d. Others Analysis**	

e. Comments for Multiphasic Samples/Analysis Priority:

10. Analysis Objective: Waste Characterization

11. Detection Limit Requirements: (Check ECL User's Manual to assure default DL is sufficient.)

12. Supplemental Requests: Enter sample IDs as described in Item 9

Desired Analysis	Sample(s) ID

Initials: _____
Date: _____

ECL

13. ECL Lab Remarks:

FIELD

LAB

14. Chain of Custody:

	Name	Title	Signature	Inclusive Dates of Custody
a.	Martin Snider	HSII	Martin Snider	10/26/06 to 2/5/07
b.	Caiyun Xu	Sr Lab Asst	Caiyun Xu	2/23/07 to
c.				to
d.				to

COC