

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 AQ01196  
 Authorization No.: 06EC0174  
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**ANALYTICAL LABORATORY REPORT - For Total Metal 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 Digested: 2/27/2007  
 Date Analyzed: 3/5/2007

Analytical Procedure: EPA-SW 846  
 Samples are digested with 1:1 HNO3 (and 30% H2O2, and 1:1 HCl, if applicable) over a hot plate. Digests are cooled, filtered and made to final volume with deionized H2O. Metal analysis of the digests is by ICPAES (EPA #6010B).

Method: 3050B for solids; 3010A for liquids; 3005A for drinking water. Units: mg/Kg

| ECL Number:      | AQ01168         | AQ01169         | AQ01170         | AQ01171         | AQ01172    | Method | Method    |
|------------------|-----------------|-----------------|-----------------|-----------------|------------|--------|-----------|
| Collector's 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        | 11.6            | 10.5            | 13.9            | 13.2            | 5.98       | 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        | ND              | ND              | ND              | ND              | 2480       | 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          | 4.23            | 2.79            | 2.83            | 4.26            | 6.83       | ND     | 0.04      |

comments: ND=Not Detected

*Merlyn de Guzman* 3/8/07  
 Staff Chemist Date  
 Merlyn De Guzman

*Merlyn de Guzman* 3/8/07  
 Sample Prepared By Date  
 Merlyn de Guzman

*J Garnica* 3/8/07  
 Section Lead Chemist Date  
 Jarnail Garcha

CADF Co 2517.5 ± 143.8 (5.01 ASD)  
 CAHF 4842.5 ± 245.7 (5.07 ASD)  
 ACCDF 3900.0 ± 191.3 (2.01 ASD)





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**ANALYTICAL LABORATORY REPORT - For Total Metal Analysis**

Investigator's Name: Martin Snider  
 Address: 700 Heinz Ave., Suite 100  
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 Location 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 Digested: 2/27/2007  
 Date Analyzed: 3/5/2007

Method: ICP-AES (EPA #6010B).  
 Procedure: Samples are digested with 1:1 HNO3 (and 30% H2O2, and 1:1 HCl, if applicable) over a hot plate. Digests are cooled, filtered and made to final volume with deionized H2O. Metal analysis of the digests is by ICP-AES (EPA #6010B).  
 Reference: SW 846

Method: 3050B for solids; 3010A for liquids; 3005A for drinking water. Units: mg/Kg

| CL Number:       | AQ01183    | AQ01184 | AQ01185  | AQ01186  | AQ01187  | Method | Method    |  |
|------------------|------------|---------|----------|----------|----------|--------|-----------|--|
| Collector's No.: | CAHF-COMP4 | MB-DF0  | MB-CADF1 | MB-CADF2 | MB-CADF3 | Blank  | Detection |  |
| Sample Type:     | Wood       | Wood    | Wood     | Wood     | Wood     |        | Limit     |  |
| Analyte          |            |         |          |          |          |        |           |  |
| Arsenic-As       | ND         | ND      | ND       | ND       | ND       | ND     | 0.05      |  |
| Barium-Ba        | 23.0       | 7.17    | 10.5     | 7.94     | 11.2     | 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      | 8.99     | ND       | ND       | ND     | 0.04      |  |
| Cobalt-Co        | ND         | ND      | ND       | ND       | ND       | ND     | 0.03      |  |
| Copper-Cu        | 5170       | ND      | 26.4     | ND       | 6.10     | 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      | 3.01     | ND       | ND       | ND     | 0.05      |  |
| Selenium-Se      | 3.40       | 5.08    | 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          | 13.8       | 3.53    | 2.52     | 3.23     | 3.53     | ND     | 0.04      |  |

comments: ND=Not Detected

*Merlyn de Guzman*  
 Staff Chemist  
 Merlyn De Guzman  
 3/8/07  
 Date

*Merlyn de Guzman*  
 Sample Prepared By  
 Merlyn de Guzman  
 3/8/07  
 Date

*Jama Garcha*  
 Section Lead Chemist  
 Jama Garcha  
 3/8/07  
 Date

mg/kg  
 CAHF  $\bar{x} = 48925$  RSD = 5.07%  
 n=4 s = 245.7









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ANALYTICAL LABORATORY REPORT - Replicate Analysis For Total Metal

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 Digested: 2/27/2007  
 Date Analyzed: 3/5/2007

Analytical Procedure: EPA-SW 846  
 Samples are digested with 1:1 HNO3 (and 30% H2O2, and 1:1 HCl, if applicable) over a hot plate. Digests are cooled, filtered and made to final volume with deionized H2O. Metal analysis of the digests is by ICPAES (EPA #6010B).

Method: 3050B for solids; 3010A for liquids; 3005A for drinking water. Units: mg/Kg

| ECL Number:      | AQ01182    | AQ01182D   | AQ01182T   |      |  | Method | Method    |
|------------------|------------|------------|------------|------|--|--------|-----------|
| Collector's No.: | CAHF-COMP1 | CAHF-COMP1 | CAHF-COMP1 | %RSD |  | Blank  | Detection |
| Sample Type:     | Wood       | Wood       | Wood       |      |  |        | Limit     |
| Analyte          |            |            |            |      |  |        |           |
| Arsenic-As       | ND         | ND         | ND         | 0    |  | ND     | 0.05      |
| Barium-Ba        | 25.0       | 25.0       | 27.1       | 4.50 |  | 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        | 4630       | 4670       | 4670       | 0.50 |  | 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          | 12.5       | 13.1       | 14.4       | 7.28 |  | ND     | 0.04      |

comments: ND=Not Detected

*Merlyn de Guzman*  
 Staff Chemist  
 Merlyn De Guzman

3/8/07  
 Date

*Merlyn de Guzman*  
 Sample Prepared By  
 Merlyn de Guzman

3/8/07  
 Date

*J. Garcha*  
 Section Lead Chemist  
 Jarrail Garcha

3/8/07  
 Date