

FAX

E = Quivera

Mission Bay

283

Date: Monday, July 23, 2001

Time: 6:48:07 PM 25 11 **Pages**

To: Leslie Dobalian
San Diego regional WQCB

From: Mingta Lin
Columbia Analytical Services

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Fax: 360-636-1068

Voice: 18586377139

Voice: 360-577-7222

SDRWQCB

Sampling

Comments:

Leslie:

Copper results. Sorry, they did not make it last Friday.

Columbia Analytical Services

METALS

- Cover Page -

INORGANIC ANALYSIS DATA PACKAGE

Client: E. S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Project Name: Mission Bay Copper Sampling

Sample No.	Lab Sample ID.
E12	K2104609-001 DISS
E12D	K2104609-001 DISSD
E13	K2104609-002 DISS
E13S	K2104609-002 DISSS
A1	K2104609-003 DISS
A2	K2104609-004 DISS
B1	K2104609-005 DISS
C1	K2104609-006 DISS
D1	K2104609-007 DISS
E1	K2104609-008 DISS
E2	K2104609-009 DISS
E3	K2104609-010 DISS
E4	K2104609-011 DISS
E5	K2104609-012 DISS
E5D	K2104609-012 DISSD
E6	K2104609-013 DISS
E6S	K2104609-013 DISSS
E7	K2104609-014 DISS
E8	K2104609-015 DISS
E9	K2104609-016 DISS

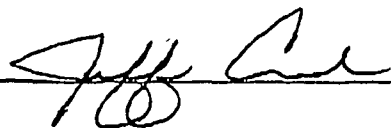
Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: 

Date: 7/20/01

Columbia Analytical Services

METALS

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Project Name: Mission Bay Copper Sampling

Sample No.	Lab Sample ID.
E10	K2104609-017 DISS
F1	K2104609-018 DISS
F2	K2104609-019 DISS
F3	K2104609-020 DISS
E11	K2104609-021 DISS
Method Blank	K2104609-MB
Method Blank	K2104609-MB2

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

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Signature: [Handwritten Signature]

Date: 7/20/01

Columbia Analytical Services**METALS**

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: E12

Lab Code: K2104609-001 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	0.4		

* Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.
 Project No.: LD 001 001
 Project Name: Mission Bay Copper Sampling
 Matrix: WATER

Service Request: K2104609
 Date Collected: 06/28/01
 Date Received: 06/29/01
 Units: µG/L
 Basis: NA

Sample Name: E13

Lab Code: K2104609-002 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	0.3		

8 Solids: 0.0

Comments:

Columbia Analytical Services**METALS**

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µg/L

Basis: NA

Sample Name: A1

Lab Code: K2104609-003 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	1.0		

* Solids: 0.0

Comments:

Columbia Analytical Services**METALS**

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INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: A2

Lab Code: K2104609-004 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	0.8		

§ Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.
Project No.: LD 001 001
Project Name: Mission Bay Copper Sampling
Matrix: WATER

Service Request: K2104609
Date Collected: 06/28/01
Date Received: 06/29/01
Units: µG/L
Basis: NA

Sample Name: B1

Lab Code: K2104609-005 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	0.6		

* Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.
Project No.: LD 001 001
Project Name: Mission Bay Copper Sampling
Matrix: WATER

Service Request: K2104609
Date Collected: 06/28/01
Date Received: 06/29/01
Units: µG/L
Basis: NA

Sample Name: C1

Lab Code: K2104609-006 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	0.4		

* Solids: 0.0

Comments:

Columbia Analytical Services**METALS**

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INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: D1

Lab Code: K2104609-007 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	0.3		

* Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.
Project No.: LD 001 001
Project Name: Mission Bay Copper Sampling
Matrix: WATER

Service Request: K2104609
Date Collected: 06/28/01
Date Received: 06/29/01
Units: µG/L
Basis: NA

Sample Name: E1

Lab Code: K2104609-008 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	5.0		

* Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: E2

Lab Code: K2104609-009 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	4.0		

* Solids: 0.0

Comments:

Columbia Analytical Services

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: E3

Lab Code: K2104609-010 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	3.7		

% Solids: 0.0

Comments:

Columbia Analytical Services

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: E4

Lab Code: K2104609-011 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	4.3		

* Solids: 0.0

Comments:

Columbia Analytical Services**METALS**

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INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: E5

Lab Code: K2104609-012 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	3.9		

* Solids: 0.0

Comments:

Columbia Analytical Services**METALS**

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INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: E5

Lab Code: K2104609-013 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	4.4		

* Solids: 0.0

Comments:

Columbia Analytical Services

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: E7

Lab Code: K2104609-014 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	4.0		

% Solids: 0.0

Comments:

Columbia Analytical Services**METALS**

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INORGANIC ANALYSIS DATA SHEET

Client: E. S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: E8

Lab Code: K2104609-015 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	5.0		

* Solids: 0.0

Comments:

Columbia Analytical Services**METALS**

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: E9

Lab Code: K2104609-016 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	3.0		

* Solids: 0.0

Comments:

Columbia Analytical Services**METALS**

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: E10

Lab Code: K2104609-017 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	0.5		

* Solids: 0.0

Comments:

Columbia Analytical Services

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: F1

Lab Code: K2104609-018 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	0.8		

* Solids: 0.0

Comments:

Columbia Analytical Services

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: F2

Lab Code: K2104609-019 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	0.9		

* Solids: 0.0

Comments:

Columbia Analytical Services

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: F3

Lab Code: K2104609-020 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	0.5		

* Solids: 0.0

Comments:

Columbia Analytical Services**METALS**

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected: 06/28/01

Project Name: Mission Bay Copper Sampling

Date Received: 06/29/01

Matrix: WATER

Units: µg/L

Basis: NA

Sample Name: E11

Lab Code: K2104609-021 DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	0.3		

% Solids: 0.0

Comments:

Columbia Analytical Services

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E.S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected:

Project Name: Mission Bay Copper Sampling

Date Received:

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: Method Blank

Lab Code: K2104609-MB

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	0.2	U	

* Solids: 0.0

Comments:

Columbia Analytical Services**METALS**

-1-

INORGANIC ANALYSIS DATA SHEET

Client: E. S. Babcock & Sons, Inc.

Service Request: K2104609

Project No.: LD 001 001

Date Collected:

Project Name: Mission Bay Copper Sampling

Date Received:

Matrix: WATER

Units: µG/L

Basis: NA

Sample Name: Method Blank

Lab Code: K2104609-MB2

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Copper	200.8	0.2	1	7/12/01	7/20/01	0.2	U	

* Solids: 0.0

Comments: