CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

CRWQCB - Sacramento
3443 Routier Road
Sacramento, CA 95827

07/20/2001

Attention: Steve Rosenbaum

Reference: Analytical Results

Project Name: Walker Mine
Project No.:
Date Received: 06/19/2001
Chain Of Custody: 12679

CLS ID No.: S9341
CLS Job No.: 839341

The following analyses were performed on the above referenced project:

No. of Samples	*Turnaround Time*	*Analysis Description*
5	10 Days	Bid Group 7-Mine Site General Analysis
5	10 Days	Bid Group 7 Total Metals +Cd,Ni,As,&Pb
5	10 Days	Cd,Ni,As,Pb - Dissolved Metals

These samples were received by CLS Labs in a chilled, intact state and accompanied by a valid chain of custody document.

Calibrations for analytical testing have been performed in accordance to and pass the EPA's criteria for acceptability.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

cc: With Invoice, May Hoe, CRWQCB

Qa/Qc by RDB 7/25/01

3249 Fitzgerald Road Rancho Cordova, CA 95742 800-638-7301 916-638-7301 Fax: 916-638-4510

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/12/2001**
Date Received: **06/19/2001**
Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/20/2001**
Client ID No.: **WM1B Portal**

TOTAL

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-2A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

WM1B PORTAL

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	100	200.7	1.0
As (Arsenic)	7440382	9.2	5.0	200.8	1.0
Ca (Calcium)	7440702	13000	1000	200.7	1.0
Cd (Cadmium)	7440439	ND	10	200.7	1.0
Cu (Copper)	7440508	45	20	200.7	1.0
Fe (Iron)	7439896	ND	100	200.7	1.0
K (Potassium)	7440097	ND	1000	200.7	1.0
Mg (Magnesium)	7439954	7700	1000	200.7	1.0
Mn (Manganese)	7439965	ND	20	200.7	1.0
Na (Sodium)	127093	6200	1000	200.7	1.0
Ni (Nickel)	7440020	ND	20	200.7	1.0
Pb (Lead)	7439921	ND	5.0	200.8	1.0
Zn (Zinc)	7440666	21	20	200.7	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/13/2001**
Date Received: **06/19/2001**
Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/20/2001**
Client ID No.: **WM2B Ditch**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-4A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

WM2B DITCH

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	100	200.7	1.0
As (Arsenic)	7440382	7.8	5.0	200.8	1.0
Ca (Calcium)	7440702	12000	1000	200.7	1.0
Cd (Cadmium)	7440439	ND	10	200.7	1.0
Cu (Copper)	7440508	86	20	200.7	1.0
Fe (Iron)	7439896	140	100	200.7	1.0
K (Potassium)	7440097	ND	1000	200.7	1.0
Mg (Magnesium)	7439954	4500	1000	200.7	1.0
Mn (Manganese)	7439965	24	20	200.7	1.0
Na (Sodium)	127093	5000	1000	200.7	1.0
Ni (Nickel)	7440020	ND	20	200.7	1.0
Pb (Lead)	7439921	ND	5.0	200.8	1.0
Zn (Zinc)	7440666	ND	20	200.7	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: Metals, EPA Methods 200

Client: CRWQCB - Sacramento
3443 Routier Road
Sacramento, CA 95827

Project: Walker Mine

Date Sampled: 06/13/2001
Date Received: 06/19/2001
Date Extracted: 06/28/2001
Date Analyzed: 07/03/2001
Date Reported: 07/20/2001
Client ID No.: WM3B Portal

Project No.:
Contact: Steve Rosenbaum
Phone: (916)255-3034

Lab Contact: James Liang
Lab ID No.: S9341-6A
Job No.: 839341
COC Log No.: 12679
Batch No.: M010628A
Instrument ID: INMIX
Analyst ID: PONGC
Matrix: WATER

WM3B PORTAL

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	100	200.7	1.0
As (Arsenic)	7440382	7.5	5.0	200.8	1.0
Ca (Calcium)	7440702	12000	1000	200.7	1.0
Cd (Cadmium)	7440439	ND	10	200.7	1.0
Cu (Copper)	7440508	48	20	200.7	1.0
Fe (Iron)	7439896	ND	100	200.7	1.0
K (Potassium)	7440097	ND	1000	200.7	1.0
Mg (Magnesium)	7439954	4600	1000	200.7	1.0
Mn (Manganese)	7439965	ND	20	200.7	1.0
Na (Sodium)	127093	5200	1000	200.7	1.0
Ni (Nickel)	7440020	ND	20	200.7	1.0
Pb (Lead)	7439921	ND	5.0	200.8	1.0
Zn (Zinc)	7440666	ND	20	200.7	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/13/2001**
Date Received: **06/19/2001**
Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/20/2001**
Client ID No.: **WM4B Plug Valve**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-8A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

WM4B PLUG VALVE

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	2600	100	200.7	1.0
As (Arsenic)	7440382	ND	5.0	200.8	1.0
Ca (Calcium)	7440702	33000	1000	200.7	1.0
Cd (Cadmium)	7440439	ND	10	200.7	1.0
Cu (Copper)	7440508	3400	20	200.7	1.0
Fe (Iron)	7439896	23000	100	200.7	1.0
K (Potassium)	7440097	2300	1000	200.7	1.0
Mg (Magnesium)	7439954	8100	1000	200.7	1.0
Mn (Manganese)	7439965	5300	20	200.7	1.0
Na (Sodium)	127093	2700	1000	200.7	1.0
Ni (Nickel)	7440020	ND	20	200.7	1.0
Pb (Lead)	7439921	ND	5.0	200.8	1.0
Zn (Zinc)	7440666	680	20	200.7	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/13/2001**
Date Received: **06/19/2001**
Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/20/2001**
Client ID No.: **WM5B Plug Valve**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-10A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

WM5B PLUG VALVE

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	2600	100	200.7	1.0
As (Arsenic)	7440382	ND	5.0	200.8	1.0
Ca (Calcium)	7440702	33000	1000	200.7	1.0
Cd (Cadmium)	7440439	ND	10	200.7	1.0
Cu (Copper)	7440508	3600	20	200.7	1.0
Fe (Iron)	7439896	33000	100	200.7	1.0
K (Potassium)	7440097	2300	1000	200.7	1.0
Mg (Magnesium)	7439954	8000	1000	200.7	1.0
Mn (Manganese)	7439965	5300	20	200.7	1.0
Na (Sodium)	127093	2700	1000	200.7	1.0
Ni (Nickel)	7440020	ND	20	200.7	1.0
Pb (Lead)	7439921	ND	5.0	200.8	1.0
Zn (Zinc)	7440666	700	20	200.7	1.0

ND = Not detected at or above indicated Reporting Limit

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/20/2001**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

METHOD BLANK

Analyte	CAS No.	Results (ug/L)	Reporting Limit (ug/L)	Method
Al (Aluminum)	7429905	ND	100	200.7
As (Arsenic)	7440382	ND	5.0	200.8
Ca (Calcium)	7440702	ND	1000	200.7
Cd (Cadmium)	7440439	ND	10	200.7
Cu (Copper)	7440508	ND	20	200.7
Fe (Iron)	7439896	ND	100	200.7
K (Potassium)	7440097	ND	1000	200.7
Mg (Magnesium)	7439954	ND	1000	200.7
Mn (Manganese)	7439965	ND	20	200.7
Na (Sodium)	127093	ND	1000	200.7
Ni (Nickel)	7440020	ND	20	200.7
Pb (Lead)	7439921	ND	5.0	200.8
Zn (Zinc)	7440666	ND	20	200.7

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/20/2001**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

LAB CONTROL SAMPLE

Analyte	CAS No.	Observed Value (ug/L)	LCS Conc. (ug/L)	LCS Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	1990	2000	100	80	120
As (Arsenic)	7440382	99.4	100	99	80	120
Ca (Calcium)	7440702	10500	10000	105	80	120
Cd (Cadmium)	7440439	41.4	50.0	83	80	120
Cu (Copper)	7440508	234	250	93	80	120
Fe (Iron)	7439896	1030	1000	103	80	120
K (Potassium)	7440097	9270	10000	93	80	120
Mg (Magnesium)	7439954	9720	10000	97	80	120
Mn (Manganese)	7439965	508	500	102	80	120
Na (Sodium)	127093	9810	10000	98	80	120
Ni (Nickel)	7440020	515	500	103	80	120
Pb (Lead)	7439921	105	100	105	80	120
Zn (Zinc)	7440666	491	500	98	80	120

LAB CONTROL SAMPLE DUPLICATE

Analyte	CAS No.	Observed Value (ug/L)	LCS Conc. (ug/L)	LCSD Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	2000	2000	100	80	120
As (Arsenic)	7440382	97.2	100	97	80	120
Ca (Calcium)	7440702	10400	10000	104	80	120
Cd (Cadmium)	7440439	43.6	50.0	87	80	120
Cu (Copper)	7440508	235	250	94	80	120
Fe (Iron)	7439896	1030	1000	103	80	120
K (Potassium)	7440097	9220	10000	92	80	120
Mg (Magnesium)	7439954	9690	10000	97	80	120
Mn (Manganese)	7439965	507	500	101	80	120
Na (Sodium)	127093	9780	10000	98	80	120
Ni (Nickel)	7440020	513	500	103	80	120
Pb (Lead)	7439921	103	100	103	80	120
Zn (Zinc)	7440666	490	500	98	80	120

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/20/2001**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

LCS RPD

Analyte	CAS No.	LCS Relative Percent Difference (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	0	0	30
As (Arsenic)	7440382	2	0	30
Ca (Calcium)	7440702	1	0	30
Cd (Cadmium)	7440439	5	0	30
Cu (Copper)	7440508	1	0	30
Fe (Iron)	7439896	0	0	30
K (Potassium)	7440097	1	0	30
Mg (Magnesium)	7439954	0	0	30
Mn (Manganese)	7439965	1	0	30
Na (Sodium)	127093	0	0	30
Ni (Nickel)	7440020	0	0	30
Pb (Lead)	7439921	2	0	30
Zn (Zinc)	7440666	0	0	30

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/12/2001**
Date Received: **06/19/2001**
Date Extracted: **N/A**
Date Analyzed: **06/20/2001**
Date Reported: **07/20/2001**
Client ID No.: **WM1A Portal**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-1A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **W010619M**
Instrument ID: **INMIX**
Analyst ID: **ANDORAB**
Matrix: **WATER**

WM1A PORTAL

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	47	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	47	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Al (Aluminum)	7429905	ND	0.10	200.7	1.0
Ca (Calcium)	7440702	13	1.0	200.7	1.0
Chloride	N/A	0.53	0.50	300.0	1.0
Cu (Copper)	7440508	0.071	0.050	200.7	1.0
Fe (Iron)	7439896	0.30	0.10	200.7	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	51	1.0	200.7	1.0
K (Potassium)	7440097	ND	1.0	200.7	1.0
Mg (Magnesium)	7439954	4.5	1.0	200.7	1.0
Mn (Manganese)	7439965	0.058	0.030	200.7	1.0
Na (Sodium)	127093	5.0	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	7.9	Note 1	150.1	1.0
Specific Conductance	N/A	120	Note 2	120.1	1.0
Sulfate	N/A	1.7	0.50	300.0	1.0
Total Dissolved Solids	N/A	100	1.0	160.1	1.0
Zn (Zinc)	7440666	ND	0.050	200.7	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/13/2001**
Date Received: **06/19/2001**
Date Extracted: **N/A**
Date Analyzed: **06/20/2001**
Date Reported: **07/20/2001**
Client ID No.: **WM2A Ditch**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-3A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **W010619M**
Instrument ID: **INMIX**
Analyst ID: **ANDORAB**
Matrix: **WATER**

WM2A DITCH

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	43	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	43	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Al (Aluminum)	7429905	ND	0.10	200.7	1.0
Ca (Calcium)	7440702	12	1.0	200.7	1.0
Chloride	N/A	ND	0.50	300.0	1.0
Cu (Copper)	7440508	0.084	0.050	200.7	1.0
Fe (Iron)	7439896	0.16	0.10	200.7	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	48	1.0	200.7	1.0
K (Potassium)	7440097	ND	1.0	200.7	1.0
Mg (Magnesium)	7439954	4.4	1.0	200.7	1.0
Mn (Manganese)	7439965	0.035	0.030	200.7	1.0
Na (Sodium)	127093	4.8	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	7.9	Note 1	150.1	1.0
Specific Conductance	N/A	120	Note 2	120.1	1.0
Sulfate	N/A	4.6	0.50	300.0	1.0
Total Dissolved Solids	N/A	100	1.0	160.1	1.0
Zn (Zinc)	7440666	ND	0.050	200.7	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/13/2001**
Date Received: **06/19/2001**
Date Extracted: **N/A**
Date Analyzed: **06/20/2001**
Date Reported: **07/20/2001**
Client ID No.: **WM3A Portal**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-5A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **W010619M**
Instrument ID: **INMIX**
Analyst ID: **ANDORAB**
Matrix: **WATER**

WM3A PORTAL

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	46	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	46	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Al (Aluminum)	7429905	ND	0.10	200.7	1.0
Ca (Calcium)	7440702	12	1.0	200.7	1.0
Chloride	N/A	0.53	0.50	300.0	1.0
Cu (Copper)	7440508	ND	0.050	200.7	1.0
Fe (Iron)	7439896	ND	0.10	200.7	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	49	1.0	200.7	1.0
K (Potassium)	7440097	ND	1.0	200.7	1.0
Mg (Magnesium)	7439954	4.5	1.0	200.7	1.0
Mn (Manganese)	7439965	ND	0.030	200.7	1.0
Na (Sodium)	127093	5.0	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	7.7	Note 1	150.1	1.0
Specific Conductance	N/A	110	Note 2	120.1	1.0
Sulfate	N/A	1.8	0.50	300.0	1.0
Total Dissolved Solids	N/A	100	1.0	160.1	1.0
Zn (Zinc)	7440666	ND	0.050	200.7	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

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CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/13/2001**
Date Received: **06/19/2001**
Date Extracted: **N/A**
Date Analyzed: **06/20/2001**
Date Reported: **07/20/2001**
Client ID No.: **WM4A Plug Valve**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-7A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **W010619M**
Instrument ID: **INMIX**
Analyst ID: **ANDORAB**
Matrix: **WATER**

WM4A PLUG VALVE

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	ND	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Al (Aluminum)	7429905	2.5	0.10	200.7	1.0
Ca (Calcium)	7440702	32	1.0	200.7	1.0
Chloride	N/A	0.71	0.50	300.0	1.0
Cu (Copper)	7440508	3.3	0.050	200.7	1.0
Fe (Iron)	7439896	21	0.10	200.7	1.0
Fluoride	N/A	0.10	0.10	300.0	1.0
Hardness as CaCO3	N/A	110	1.0	200.7	1.0
K (Potassium)	7440097	2.3	1.0	200.7	1.0
Mg (Magnesium)	7439954	7.9	1.0	200.7	1.0
Mn (Manganese)	7439965	5.2	0.030	200.7	1.0
Na (Sodium)	127093	2.7	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	4.5	Note 1	150.1	1.0
Specific Conductance	N/A	550	Note 2	120.1	1.0
Sulfate	N/A	200	25	300.0	50
Total Dissolved Solids	N/A	360	1.0	160.1	1.0
Zn (Zinc)	7440666	0.67	0.050	200.7	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/13/2001**
Date Received: **06/19/2001**
Date Extracted: **N/A**
Date Analyzed: **06/20/2001**
Date Reported: **07/20/2001**
Client ID No.: **WM5A Plug Valve**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-9A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **W010619M**
Instrument ID: **INMIX**
Analyst ID: **ANDORAB**
Matrix: **WATER**

WM5A PLUG VALVE

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	ND	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Al (Aluminum)	7429905	2.6	0.10	200.7	1.0
Ca (Calcium)	7440702	33	1.0	200.7	1.0
Chloride	N/A	0.79	0.50	300.0	1.0
Cu (Copper)	7440508	3.6	0.050	200.7	1.0
Fe (Iron)	7439896	33	0.10	200.7	1.0
Fluoride	N/A	0.10	0.10	300.0	1.0
Hardness as CaCO3	N/A	120	1.0	200.7	1.0
K (Potassium)	7440097	2.2	1.0	200.7	1.0
Mg (Magnesium)	7439954	8.0	1.0	200.7	1.0
Mn (Manganese)	7439965	5.3	0.030	200.7	1.0
Na (Sodium)	127093	2.7	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	4.4	Note 1	150.1	1.0
Specific Conductance	N/A	610	Note 2	120.1	1.0
Sulfate	N/A	220	25	300.0	50
Total Dissolved Solids	N/A	360	1.0	160.1	1.0
Zn (Zinc)	7440666	0.70	0.050	200.7	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **N/A**
Date Analyzed: **06/20/2001**
Date Reported: **07/20/2001**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **W010619M**
Instrument ID: **INMIX**
Analyst ID: **ANDORAB**
Matrix: **WATER**

METHOD BLANK

Analyte	CAS No.	Results (mg/L)	Reporting Limit (mg/L)	Method
Alkalinity as CaCO3	N/A	ND	1.0	310.1
-Bicarbonate as CaCO3	N/A	ND	1.0	310.1
-Carbonate as CaCO3	N/A	ND	1.0	310.1
-Hydroxide as CaCO3	N/A	ND	1.0	310.1
Al (Aluminum)	7429905	ND	0.020	200.7
Ca (Calcium)	7440702	ND	1.0	200.7
Chloride	N/A	ND	0.50	300.0
Cu (Copper)	7440508	ND	0.050	200.7
Fe (Iron)	7439896	ND	0.10	200.7
Fluoride	N/A	ND	0.10	300.0
Hardness as CaCO3	N/A	ND	1.0	200.7
K (Potassium)	7440097	ND	1.0	200.7
Mg (Magnesium)	7439954	ND	1.0	200.7
Mn (Manganese)	7439965	ND	0.030	200.7
Na (Sodium)	127093	ND	1.0	200.7
Nitrate (as N)	N/A	ND	0.50	300.0
Specific Conductance	N/A	ND	Note 2	120.1
Sulfate	N/A	ND	0.50	300.0
Total Dissolved Solids	N/A	ND	1.0	160.1
Zn (Zinc)	7440666	ND	0.050	200.7

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **N/A**
Date Analyzed: **06/20/2001**
Date Reported: **07/20/2001**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **W010619M**
Instrument ID: **INMIX**
Analyst ID: **ANDORAB**
Matrix: **WATER**

LAB CONTROL SAMPLE

Analyte	CAS No.	Observed Value (mg/L)	LCS Conc. (mg/L)	LCS Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	2.12	2.00	106	80	120
Ca (Calcium)	7440702	11.0	10.0	110	80	120
Chloride	N/A	1.90	2.00	95	80	120
Cu (Copper)	7440508	0.257	0.250	103	80	120
Fe (Iron)	7439896	1.05	1.00	105	80	120
Fluoride	N/A	2.19	2.00	110	80	120
K (Potassium)	7440097	10.4	10.0	104	80	120
Mg (Magnesium)	7439954	10.3	10.0	103	80	120
Mn (Manganese)	7439965	0.537	0.500	107	80	120
Na (Sodium)	127093	10.4	10.0	104	80	120
Nitrate (as N)	N/A	0.488	0.500	98	80	120
Sulfate	N/A	5.27	5.00	105	80	120
Zn (Zinc)	7440666	0.519	0.500	104	80	120

LAB CONTROL SAMPLE DUPLICATE

Analyte	CAS No.	Observed Value (mg/L)	LCS Conc. (mg/L)	LCSD Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	2.11	2.00	106	80	120
Ca (Calcium)	7440702	11.1	10.0	111	80	120
Chloride	N/A	1.90	2.00	95	80	120
Cu (Copper)	7440508	0.259	0.250	104	80	120
Fe (Iron)	7439896	1.05	1.00	105	80	120
Fluoride	N/A	2.20	2.00	110	80	120
K (Potassium)	7440097	10.5	10.0	105	80	120
Mg (Magnesium)	7439954	10.4	10.0	104	80	120
Mn (Manganese)	7439965	0.541	0.500	108	80	120
Na (Sodium)	127093	10.5	10.0	105	80	120
Nitrate (as N)	N/A	0.491	0.500	98	80	120
Sulfate	N/A	5.28	5.00	106	80	120
Zn (Zinc)	7440666	0.522	0.500	104	80	120

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: CRWQCB - Sacramento
3443 Routier Road
Sacramento, CA 95827

Project: Walker Mine

Date Extracted: N/A
Date Analyzed: 06/20/2001
Date Reported: 07/20/2001

Project No.:
Contact: Steve Rosenbaum
Phone: (916)255-3034

Lab Contact: James Liang
Lab ID No.: S9341
Job No.: 839341
COC Log No.: 12679
Batch No.: W010619M
Instrument ID: INMIX
Analyst ID: ANDORAB
Matrix: WATER

LCS RPD

Analyte	CAS No.	LCS Relative Percent Difference (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	0	0	30
Ca (Calcium)	7440702	1	0	30
Chloride	N/A	0	0	30
Cu (Copper)	7440508	1	0	30
Fe (Iron)	7439896	0	0	30
Fluoride	N/A	0	0	30
K (Potassium)	7440097	1	0	30
Mg (Magnesium)	7439954	1	0	30
Mn (Manganese)	7439965	1	0	30
Na (Sodium)	127093	1	0	30
Nitrate (as N)	N/A	0	0	30
Sulfate	N/A	1	0	30
Zn (Zinc)	7440666	0	0	30

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/12/2001**
Date Received: **06/19/2001**
Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/18/2001**
Client ID No.: **WM1A Portal**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-1A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

WM1A PORTAL

Analyte	CAS No.	Units	Results	Rep. Limit	Method
As (Arsenic)	7440382	ug/L	10	5.0	200.8
Cd (Cadmium)	7440439	ug/L	ND	10	200.7
Ni (Nickel)	7440020	ug/L	ND	20	200.7
Pb (Lead)	7439921	ug/L	ND	5.0	200.8

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/13/2001**
Date Received: **06/19/2001**
Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/18/2001**
Client ID No.: **WM2A Ditch**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-3A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

WM2A DITCH

Analyte	CAS No.	Units	Results	Rep. Limit	Method
As (Arsenic)	7440382	ug/L	7.8	5.0	200.8
Cd (Cadmium)	7440439	ug/L	ND	10	200.7
Ni (Nickel)	7440020	ug/L	ND	20	200.7
Pb (Lead)	7439921	ug/L	ND	5.0	200.8

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/13/2001**
Date Received: **06/19/2001**
Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/18/2001**
Client ID No.: **WM3A Portal**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-5A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

WM3A PORTAL

Analyte	CAS No.	Units	Results	Rep. Limit	Method
As (Arsenic)	7440382	ug/L	7.7	5.0	200.8
Cd (Cadmium)	7440439	ug/L	ND	10	200.7
Ni (Nickel)	7440020	ug/L	ND	20	200.7
Pb (Lead)	7439921	ug/L	ND	5.0	200.8

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/13/2001**
Date Received: **06/19/2001**
Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/18/2001**
Client ID No.: **WM4A Plug Valve**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-7A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

WM4A PLUG VALVE

Analyte	CAS No.	Units	Results	Rep. Limit	Method
As (Arsenic)	7440382	ug/L	ND	5.0	200.8
Cd (Cadmium)	7440439	ug/L	ND	10	200.7
Ni (Nickel)	7440020	ug/L	ND	20	200.7
Pb (Lead)	7439921	ug/L	ND	5.0	200.8

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/13/2001**
Date Received: **06/19/2001**
Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/18/2001**
Client ID No.: **WM5A Plug Valve**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341-9A**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

WM5A PLUG VALVE

Analyte	CAS No.	Units	Results	Rep. Limit	Method
As (Arsenic)	7440382	ug/L	ND	5.0	200.8
Cd (Cadmium)	7440439	ug/L	ND	10	200.7
Ni (Nickel)	7440020	ug/L	ND	20	200.7
Pb (Lead)	7439921	ug/L	11	5.0	200.8

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/18/2001**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

METHOD BLANK

Analyte	CAS No.	Units	Results	Reporting Limit	Method
As (Arsenic)	7440382	ug/L	ND	5.0	200.8
Cd (Cadmium)	7440439	ug/L	ND	10	200.7
Ni (Nickel)	7440020	ug/L	ND	20	200.7
Pb (Lead)	7439921	ug/L	ND	5.0	200.8

ND = Not detected at or above indicated Reporting Limit

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/18/2001**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

LAB CONTROL SAMPLE

Analyte CAS No.	Units	Observed Value	LCS Conc.	LCS Recovery	Lower Spec	Upper Spec
As (Arsenic) 7440382	ug/L	99.4	100	99	80	120
Cd (Cadmium) 7440439	ug/L	41.4	50.0	83	80	120
Ni (Nickel) 7440020	ug/L	515	500	103	80	120
Pb (Lead) 7439921	ug/L	105	100	105	80	120

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **06/28/2001**
Date Analyzed: **07/03/2001**
Date Reported: **07/18/2001**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9341**
Job No.: **839341**
COC Log No.: **12679**
Batch No.: **M010628A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

MATRIX SPIKE

Analyte CAS No.	Units	Observed Conc.	MS Conc.	MS Recovery	Lower Spec	Upper Spec
As (Arsenic) 7440382	ug/L	84.3	100	84	75	125
Cd (Cadmium) 7440439	ug/L	50.5	50.0	101	75	125
Ni (Nickel) 7440020	ug/L	524	500	105	75	125
Pb (Lead) 7439921	ug/L	119	100	108	75	125

MATRIX SPIKE DUPLICATE

Analyte CAS No.	Units	Observed Conc.	MSD Conc.	MSD Recovery	Lower Spec	Upper Spec
As (Arsenic) 7440382	ug/L	81.2	100	81	75	125
Cd (Cadmium) 7440439	ug/L	50.6	50.0	101	75	125
Ni (Nickel) 7440020	ug/L	516	500	103	75	125
Pb (Lead) 7439921	ug/L	120	100	109	75	125

RELATIVE % DIFFERENCE

Analyte	CAS No.	Units	Relative Percent Difference	Lower Spec	Upper Spec
As (Arsenic)	7440382	ug/L	4	0	30
Cd (Cadmium)	7440439	ug/L	0	0	30
Ni (Nickel)	7440020	ug/L	2	0	30
Pb (Lead)	7439921	ug/L	1	0	30

SER

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; S9341

LOG NO. 12679

6/13/01

REPORT TO:

NAME AND ADDRESS: MAY HOE - RWQCB
3443 ROUTIER ROAD
SAC CA 95827

PROJECT MANAGER: STEVE ROSENBAUM PHONE# 255-3131

PROJECT NAME: WALKER MINE

SAMPLED BY: STEVE ROSENBAUM

JOB DESCRIPTION:

SITE LOCATION: WALKER MINE

CLIENT JOB NUMBER:

DESTINATION LABORATORY:

[X] CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

[ ] OTHER

FIELD CONDITIONS: NEED BID GROUP SEVEN WITH TOTAL AND DISSOLVED METALS. ADD Cd, Ni, As, Pb - TOTAL & DISS.

COMPOSITE: PCA 13105

ANALYSIS REQUESTED

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Bid Group Seven	Dissolved Metals + Cd, Ni, As, Pb	Total Metals + Cd, Ni, As, Pb					TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS
6/12/01	10:30	WM1A PORTAL	W	1	P	3	X	X									X	
6/12/01	10:30	WM1B PORTAL				2,3			X									
6/13/01	11:00	WM2A DITCH				3	X	X										
6/13/01	11:00	WM2B DITCH				2,3			X									
	11:05	WM3A PORTAL				3	X	X										
		WM3B PORTAL				2,3			X									
	14:20	WM4A PLUG VALVE				3	X	X										EXPECT HIGH
		WM4B PLUG VALVE				2,3			X									Cu ≈ 30ppm
		WM5A PLUG VALVE				3	X	X										INVOICE TO:
		WM5B PLUG VALVE				2,3			X									

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS: Hi Fe, Hi Cu in PLUG VALVE Smpls

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
S Rosenbaum	RWQCB	6/18/01 1500	May Hoe	CVRWQCB
May Hoe	CVRWQCB	6/19/01 8:28	Elliot Hollmark	E.H. CLS
Elliot Hollmark	E.H. CLS	06/19/01 1550		

REC'D AT LAB BY: [signature] DATE / TIME: 061901 1550

CONDITIONS / COMMENTS:

SHIPPED BY: [ ] FED X [ ] UPS [X] OTHER CLS COURIER AIR BILL #

LAB

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

CRWQCB
SACRAMENTO
RECEIVED
01 JUL 12 PM 1:46

CRWQCB - Sacramento
3443 Routier Road
Sacramento, CA 95827

07/10/2001

Attention: Steve Rosenbaum

Reference: Analytical Results

Project Name: Walker Mine
Project No.:
Date Received: 06/26/2001
Chain Of Custody: 20939

CLS ID No.: S9521
CLS Job No.: 839521

The following analyses were performed on the above referenced project:

No. of Samples	*Turnaround Time*	*Analysis Description*
1	10 Days	Bid Group 7-General Mine Site Analysis

These samples were received by CLS Labs in a chilled, intact state and accompanied by a valid chain of custody document.

Calibrations for analytical testing have been performed in accordance to and pass the EPA's criteria for acceptability.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **06/20/2001**
Date Received: **06/26/2001**
Date Extracted: **N/A**
Date Analyzed: **06/27/2001**
Date Reported: **07/09/2001**
Client ID No.: **Portal**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9521-1A**
Job No.: **839521**
COC Log No.: **20939**
Batch No.: **WO10626I**
Instrument ID: **IC101**
Analyst ID: **ANDORAB**
Matrix: **WATER**

PORTAL

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	46	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	46	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Al (Aluminum)	7429905	ND	0.020	200.7	1.0
Ca (Calcium)	7440702	14	1.0	200.7	1.0
Chloride	N/A	0.58	0.50	300.0	1.0
Cu (Copper)	7440508	0.072	0.050	200.7	1.0
Fe (Iron)	7439896	ND	0.10	200.7	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	54	1.0	200.7	1.0
K (Potassium)	7440097	ND	1.0	200.7	1.0
Mg (Magnesium)	7439954	4.9	1.0	200.7	1.0
Mn (Manganese)	7439965	ND	0.030	200.7	1.0
Na (Sodium)	127093	5.4	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	7.3	Note 1	150.1	1.0
Specific Conductance	N/A	120	Note 2	120.1	1.0
Sulfate	N/A	1.7	0.50	300.0	1.0
Total Dissolved Solids	N/A	98	1.0	160.1	1.0
Zn (Zinc)	7440666	ND	0.050	200.7	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **N/A**
Date Analyzed: **06/27/2001**
Date Reported: **07/09/2001**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9521**
Job No.: **839521**
COC Log No.: **20939**
Batch No.: **W010626I**
Instrument ID: **IC101**
Analyst ID: **ANDORAB**
Matrix: **WATER**

METHOD BLANK

Analyte	CAS No.	Results (mg/L)	Reporting Limit (mg/L)	Method
Alkalinity as CaCO3	N/A	ND	1.0	310.1
-Bicarbonate as CaCO3	N/A	ND	1.0	310.1
-Carbonate as CaCO3	N/A	ND	1.0	310.1
-Hydroxide as CaCO3	N/A	ND	1.0	310.1
Al (Aluminum)	7429905	ND	0.020	200.7
Ca (Calcium)	7440702	ND	1.0	200.7
Chloride	N/A	ND	0.50	300.0
Cu (Copper)	7440508	ND	0.050	200.7
Fe (Iron)	7439896	ND	0.10	200.7
Fluoride	N/A	ND	0.10	300.0
Hardness as CaCO3	N/A	ND	1.0	200.7
K (Potassium)	7440097	ND	1.0	200.7
Mg (Magnesium)	7439954	ND	1.0	200.7
Mn (Manganese)	7439965	ND	0.030	200.7
Na (Sodium)	127093	ND	1.0	200.7
Nitrate (as N)	N/A	ND	0.50	300.0
Specific Conductance	N/A	ND	Note 2	120.1
Sulfate	N/A	ND	0.50	300.0
Total Dissolved Solids	N/A	ND	1.0	160.1
Zn (Zinc)	7440666	ND	0.050	200.7

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **N/A**
Date Analyzed: **06/27/2001**
Date Reported: **07/09/2001**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9521**
Job No.: **839521**
COC Log No.: **20939**
Batch No.: **W010626I**
Instrument ID: **IC101**
Analyst ID: **ANDORAB**
Matrix: **WATER**

LAB CONTROL SAMPLE

Analyte	CAS No.	Observed Value (mg/L)	LCS Conc. (mg/L)	LCS Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	2.18	2.00	109	80	120
Ca (Calcium)	7440702	11.0	10.0	110	80	120
Chloride	N/A	1.81	2.00	91	80	120
Cu (Copper)	7440508	0.270	0.250	108	80	120
Fe (Iron)	7439896	0.973	1.00	97	80	120
Fluoride	N/A	1.98	2.00	99	80	120
K (Potassium)	7440097	10.7	10.0	107	80	120
Mg (Magnesium)	7439954	10.7	10.0	107	80	120
Mn (Manganese)	7439965	0.557	0.500	111	80	120
Na (Sodium)	127093	10.8	10.0	108	80	120
Nitrate (as N)	N/A	0.473	0.500	95	80	120
Sulfate	N/A	5.11	5.00	102	80	120
Zn (Zinc)	7440666	0.535	0.500	107	80	120

LAB CONTROL SAMPLE DUPLICATE

Analyte	CAS No.	Observed Value (mg/L)	LCS Conc. (mg/L)	LCSD Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	2.14	2.50	86	80	120
Ca (Calcium)	7440702	11.0	10.0	110	80	120
Chloride	N/A	1.81	2.00	91	80	120
Cu (Copper)	7440508	0.269	0.250	108	80	120
Fe (Iron)	7439896	0.944	1.00	94	80	120
Fluoride	N/A	1.99	2.00	100	80	120
K (Potassium)	7440097	10.6	10.0	106	80	120
Mg (Magnesium)	7439954	10.6	10.0	106	80	120
Mn (Manganese)	7439965	0.550	0.500	110	80	120
Na (Sodium)	127093	10.7	10.0	107	80	120
Nitrate (as N)	N/A	0.471	0.500	94	80	120
Sulfate	N/A	5.12	5.00	102	80	120
Zn (Zinc)	7440666	0.532	0.500	106	80	120

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **N/A**
Date Analyzed: **06/27/2001**
Date Reported: **07/09/2001**

Project No.:
Contact: **Steve Rosenbaum**
Phone: **(916)255-3034**

Lab Contact: **James Liang**
Lab ID No.: **S9521**
Job No.: **839521**
COC Log No.: **20939**
Batch No.: **W010626I**
Instrument ID: **IC101**
Analyst ID: **ANDORAB**
Matrix: **WATER**

LCS RPD

Analyte	CAS No.	LCS Relative Percent Difference (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	24	0	30
Ca (Calcium)	7440702	0	0	30
Chloride	N/A	0	0	30
Cu (Copper)	7440508	0	0	30
Fe (Iron)	7439896	3	0	30
Fluoride	N/A	1	0	30
K (Potassium)	7440097	1	0	30
Mg (Magnesium)	7439954	1	0	30
Mn (Manganese)	7439965	1	0	30
Na (Sodium)	127093	1	0	30
Nitrate (as N)	N/A	1	0	30
Sulfate	N/A	0	0	30
Zn (Zinc)	7440666	1	0	30

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; 59521

LOG NO. 20939

Ser

6/20/01

REPORT TO:

NAME AND ADDRESS: MAE Hoe
RWQCB
3443 Routier Rd. Sac

PROJECT MANAGER: Steve Rosenbaum PHONE#: 255-3131

PROJECT NAME: Walker Mine

SAMPLED BY: Steve Rosenbaum

JOB DESCRIPTION:

SITE LOCATION:

CLIENT JOB NUMBER:

DESTINATION LABORATORY

☒ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ OTHER

FIELD CONDITIONS: Please e-mail results to rosenbs@rb5s.swrcb.ca.gov

COMPOSITE: PCA 13105

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Bio Group 7	Dissolved Metals	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS
6-20-01	0830 Hrs	Portal	W	1	P	3	X	X				X	Cu ≈ 5 ppb Need Low MDL.

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

LAB

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
S Rosenbaum 6/25/01	Steve Rosenbaum RWQCB	6/25/01 11:15	Mae Hoe	CVRWQCB
Mae Hoe	CVRWQCB	06/26/01 8:45		Conrad PR/CLS
	CLS	06.26.01 1700		

RECD AT LAB BY: DATE / TIME: 062601 1700 CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☒ OTHER CLS courier AIR BILL #

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

CRWQCB - Sacramento
3443 Routier Road
Sacramento, CA 95827

11/13/2001

Attention: Robert Busky

Reference: Analytical Results

Project Name: Walker Mine
Project No.:
Date Received: 10/19/2001
Chain Of Custody: 22090-1,2

CLS ID No.: T2555
CLS Job No.: 842555

The following analyses were performed on the above referenced project:

No. of Samples	*Turnaround Time*	*Analysis Description*
15	10 Days	Bid Group 7-Mine Site General Analysis
15	10 Days	Cu,Zn,Fe,Al, Dissolved, EPA 200
15	10 Days	Cu,Zn,Fe,Al, Total, EPA 200

These samples were received by CLS Labs in a chilled, intact state and accompanied by a valid chain of custody document.

Calibrations for analytical testing have been performed in accordance to and pass the EPA's criteria for acceptability.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **1A-MINE PORTAL**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-1B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

1A-MINE PORTAL

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
As (Arsenic)	7440382	ND	5.0	200.8	1.0
Cu (Copper)	7440508	130	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	29	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **2A-DOLLYCRK V/S**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-2B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

2A-DOLLYCRK V/S

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	ND	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **3A-DOLLYCRK D/S**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-3B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

3A-DOLLYCRK D/S

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	5.2	5.0	200.8	1.0
Fe (Iron)	7439896	230	50	200.7	1.0
Zn (Zinc)	7440666	2.6	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **4A-DOLLYCRK 48" Cu/V**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-4B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

4A-DOLLYCRK 48" CU/V

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	7.3	5.0	200.8	1.0
Fe (Iron)	7439896	170	50	200.7	1.0
Zn (Zinc)	7440666	2.5	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **5A-LittleGriz Crk V/S**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-5B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

5A-LITTLEGRIZ CRK V/S

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	410	50	200.7	1.0
Zn (Zinc)	7440666	ND	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **6A-USFS DAM**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-6B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

6A-USFS DAM

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	34	5.0	200.8	1.0
Fe (Iron)	7439896	650	50	200.7	1.0
Zn (Zinc)	7440666	11	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **7A-LGC above DC**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-7B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

7A-LGC ABOVE DC

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	41	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	530	50	200.7	1.0
Zn (Zinc)	7440666	2.0	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **8A-LGC below DC**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-8B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

8A-LGC BELOW DC

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	8.5	5.0	200.8	1.0
Fe (Iron)	7439896	540	50	200.7	1.0
Zn (Zinc)	7440666	4.3	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **9A-LGC Browns Cabin**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-9B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

9A-LGC BROWNS CABIN

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	17	5.0	200.8	1.0
Fe (Iron)	7439896	730	50	200.7	1.0
Zn (Zinc)	7440666	5.2	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **10A-LGC 2 25N05Y**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-10B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

10A-LGC 2 25N05Y

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	3.1	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **14A-S. Br.Ward**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-11B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

14A-S. BR.WARD

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	3.3	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **15A-Mid Br Ward**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-12B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

15A-MID BR WARD

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	ND	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **16A**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-13B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

16A

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	ND	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **17A**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-14B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

17A

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	ND	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **18A**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-15B**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

18A

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	2.0	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

METHOD BLANK

Analyte	CAS No.	Results (ug/L)	Reporting Limit (ug/L)	Method
Al (Aluminum)	7429905	ND	20	200.7
As (Arsenic)	7440382	ND	5.0	200.8
Cu (Copper)	7440508	ND	5.0	200.8
Fe (Iron)	7439896	ND	50	200.7
Zn (Zinc)	7440666	ND	2.0	200.8

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **10/24/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011024B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

LAB CONTROL SAMPLE

Analyte	CAS No.	Observed Value (ug/L)	LCS Conc. (ug/L)	LCS Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	1940	2000	97	80	120
As (Arsenic)	7440382	107	100	107	80	120
Cu (Copper)	7440508	102	100	102	80	120
Fe (Iron)	7439896	1060	1000	106	80	120
Zn (Zinc)	7440666	105	100	105	80	120

LAB CONTROL SAMPLE DUPLICATE

Analyte	CAS No.	Observed Value (ug/L)	LCS Conc. (ug/L)	LCSD Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	1930	2000	97	80	120
As (Arsenic)	7440382	114	100	115	80	120
Cu (Copper)	7440508	102	100	102	80	120
Fe (Iron)	7439896	1050	1000	105	80	120
Zn (Zinc)	7440666	101	100	101	80	120

LCS RPD

Analyte	CAS No.	LCS Relative Percent Difference (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	0	0	30
As (Arsenic)	7440382	7	0	30
Cu (Copper)	7440508	0	0	30
Fe (Iron)	7439896	1	0	30
Zn (Zinc)	7440666	4	0	30

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **1B-MINE PORTAL**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-1A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

1B-MINE PORTAL

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	54	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	54	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	13	1.0	200.7	1.0
Chloride	N/A	0.56	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	53	1.0	200.7	1.0
K (Potassium)	7440097	ND	1.0	200.7	1.0
Mg (Magnesium)	7439954	4.9	1.0	200.7	1.0
Mn (Manganese)	7439965	ND	0.030	200.7	1.0
Na (Sodium)	127093	5.2	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	7.5	Note 1	150.1	1.0
Specific Conductance	N/A	110	Note 2	120.1	1.0
Sulfate	N/A	0.97	0.50	300.0	1.0
Total Dissolved Solids	N/A	91	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **2B-DOLLYCRK V/S**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-2A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

2B-DOLLYCRK V/S

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	74	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	74	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	16	1.0	200.7	1.0
Chloride	N/A	0.53	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	75	1.0	200.7	1.0
K (Potassium)	7440097	ND	1.0	200.7	1.0
Mg (Magnesium)	7439954	8.4	1.0	200.7	1.0
Mn (Manganese)	7439965	ND	0.030	200.7	1.0
Na (Sodium)	127093	3.1	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	7.9	Note 1	150.1	1.0
Specific Conductance	N/A	130	Note 2	120.1	1.0
Sulfate	N/A	1.0	0.50	300.0	1.0
Total Dissolved Solids	N/A	99	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **3B-DOLLYCRK D/S**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-3A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

3B-DOLLYCRK D/S

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	74	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	74	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	16	1.0	200.7	1.0
Chloride	N/A	ND	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	73	1.0	200.7	1.0
K (Potassium)	7440097	ND	1.0	200.7	1.0
Mg (Magnesium)	7439954	8.1	1.0	200.7	1.0
Mn (Manganese)	7439965	ND	0.030	200.7	1.0
Na (Sodium)	127093	3.2	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	7.9	Note 1	150.1	1.0
Specific Conductance	N/A	130	Note 2	120.1	1.0
Sulfate	N/A	1.2	0.50	300.0	1.0
Total Dissolved Solids	N/A	95	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **4B-DOLLYCRK 48" Cu/V**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-4A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

4B-DOLLYCRK 48" CU/V

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	71	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	71	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	16	1.0	200.7	1.0
Chloride	N/A	ND	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	72	1.0	200.7	1.0
K (Potassium)	7440097	ND	1.0	200.7	1.0
Mg (Magnesium)	7439954	7.9	1.0	200.7	1.0
Mn (Manganese)	7439965	ND	0.030	200.7	1.0
Na (Sodium)	127093	3.2	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	8.1	Note 1	150.1	1.0
Specific Conductance	N/A	130	Note 2	120.1	1.0
Sulfate	N/A	1.3	0.50	300.0	1.0
Total Dissolved Solids	N/A	98	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **5B-LittleGriz Crk V/S**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-5A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

5B-LITTLEGRIZ CRK V/S

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	75	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	75	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	16	1.0	200.7	1.0
Chloride	N/A	0.56	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	70	1.0	200.7	1.0
K (Potassium)	7440097	2.0	1.0	200.7	1.0
Mg (Magnesium)	7439954	7.2	1.0	200.7	1.0
Mn (Manganese)	7439965	ND	0.030	200.7	1.0
Na (Sodium)	127093	4.8	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	7.9	Note 1	150.1	1.0
Specific Conductance	N/A	140	Note 2	120.1	1.0
Sulfate	N/A	0.97	0.50	300.0	1.0
Total Dissolved Solids	N/A	100	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **6B-USFS DAM**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-6A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

6B-USFS DAM

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	73	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	73	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	18	1.0	200.7	1.0
Chloride	N/A	0.54	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	77	1.0	200.7	1.0
K (Potassium)	7440097	1.3	1.0	200.7	1.0
Mg (Magnesium)	7439954	7.7	1.0	200.7	1.0
Mn (Manganese)	7439965	ND	0.030	200.7	1.0
Na (Sodium)	127093	4.4	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	8.0	Note 1	150.1	1.0
Specific Conductance	N/A	150	Note 2	120.1	1.0
Sulfate	N/A	3.2	0.50	300.0	1.0
Total Dissolved Solids	N/A	110	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **7B-LGC above DC**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-7A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

7B-LGC ABOVE DC

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	77	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	77	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	26	1.0	200.7	1.0
Chloride	N/A	0.53	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	91	1.0	200.7	1.0
K (Potassium)	7440097	2.3	1.0	200.7	1.0
Mg (Magnesium)	7439954	6.3	1.0	200.7	1.0
Mn (Manganese)	7439965	0.13	0.030	200.7	1.0
Na (Sodium)	127093	5.7	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	7.7	Note 1	150.1	1.0
Specific Conductance	N/A	180	Note 2	120.1	1.0
Sulfate	N/A	19	0.50	300.0	1.0
Total Dissolved Solids	N/A	130	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **8B-LGC below DC**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-8A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

8B-LGC BELOW DC

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	77	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	77	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	24	1.0	200.7	1.0
Chloride	N/A	0.55	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	88	1.0	200.7	1.0
K (Potassium)	7440097	2.0	1.0	200.7	1.0
Mg (Magnesium)	7439954	6.7	1.0	200.7	1.0
Mn (Manganese)	7439965	0.11	0.030	200.7	1.0
Na (Sodium)	127093	5.4	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	7.8	Note 1	150.1	1.0
Specific Conductance	N/A	180	Note 2	120.1	1.0
Sulfate	N/A	15	0.50	300.0	1.0
Total Dissolved Solids	N/A	130	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **9B-LGC Browns Cabin**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-9A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

9B-LGC BROWNS CABIN

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	75	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	75	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	25	1.0	200.7	1.0
Chloride	N/A	0.53	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	91	1.0	200.7	1.0
K (Potassium)	7440097	2.0	1.0	200.7	1.0
Mg (Magnesium)	7439954	6.8	1.0	200.7	1.0
Mn (Manganese)	7439965	0.045	0.030	200.7	1.0
Na (Sodium)	127093	5.7	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	7.8	Note 1	150.1	1.0
Specific Conductance	N/A	180	Note 2	120.1	1.0
Sulfate	N/A	14	0.50	300.0	1.0
Total Dissolved Solids	N/A	120	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **10B-LGC 2 25N05Y**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-10A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

10B-LGC 2 25N05Y

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	75	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	75	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	25	1.0	200.7	1.0
Chloride	N/A	0.53	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	91	1.0	200.7	1.0
K (Potassium)	7440097	2.0	1.0	200.7	1.0
Mg (Magnesium)	7439954	6.8	1.0	200.7	1.0
Mn (Manganese)	7439965	0.045	0.030	200.7	1.0
Na (Sodium)	127093	5.7	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	7.8	Note 1	150.1	1.0
Specific Conductance	N/A	180	Note 2	120.1	1.0
Sulfate	N/A	14	0.50	300.0	1.0
Total Dissolved Solids	N/A	120	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **14B-S. Br.Ward**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-11A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

14B-S. BR.WARD

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	110	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	110	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	43	1.0	200.7	1.0
Chloride	N/A	0.60	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	120	1.0	200.7	1.0
K (Potassium)	7440097	ND	1.0	200.7	1.0
Mg (Magnesium)	7439954	3.6	1.0	200.7	1.0
Mn (Manganese)	7439965	ND	0.030	200.7	1.0
Na (Sodium)	127093	3.2	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	8.1	Note 1	150.1	1.0
Specific Conductance	N/A	210	Note 2	120.1	1.0
Sulfate	N/A	6.3	0.50	300.0	1.0
Total Dissolved Solids	N/A	130	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **15B-Mid Br Ward**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-12A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

15B-MID BR WARD

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	72	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	72	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	18	1.0	200.7	1.0
Chloride	N/A	0.51	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	73	1.0	200.7	1.0
K (Potassium)	7440097	1.2	1.0	200.7	1.0
Mg (Magnesium)	7439954	6.8	1.0	200.7	1.0
Mn (Manganese)	7439965	ND	0.030	200.7	1.0
Na (Sodium)	127093	3.3	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	8.1	Note 1	150.1	1.0
Specific Conductance	N/A	140	Note 2	120.1	1.0
Sulfate	N/A	1.0	0.50	300.0	1.0
Total Dissolved Solids	N/A	94	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **16B**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-13A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

16B

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	74	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	74	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	18	1.0	200.7	1.0
Chloride	N/A	0.51	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	73	1.0	200.7	1.0
K (Potassium)	7440097	1.2	1.0	200.7	1.0
Mg (Magnesium)	7439954	6.9	1.0	200.7	1.0
Mn (Manganese)	7439965	ND	0.030	200.7	1.0
Na (Sodium)	127093	ND	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	8.0	Note 1	150.1	1.0
Specific Conductance	N/A	140	Note 2	120.1	1.0
Sulfate	N/A	1.0	0.50	300.0	1.0
Total Dissolved Solids	N/A	95	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **17B**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-14A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

17B

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	79	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	79	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	19	1.0	200.7	1.0
Chloride	N/A	0.53	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	79	1.0	200.7	1.0
K (Potassium)	7440097	1.6	1.0	200.7	1.0
Mg (Magnesium)	7439954	7.7	1.0	200.7	1.0
Mn (Manganese)	7439965	ND	0.030	200.7	1.0
Na (Sodium)	127093	3.7	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	8.0	Note 1	150.1	1.0
Specific Conductance	N/A	150	Note 2	120.1	1.0
Sulfate	N/A	1.2	0.50	300.0	1.0
Total Dissolved Solids	N/A	100	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**
Client ID No.: **18B**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-15A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

18B

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Method	Dilution (factor)
Alkalinity as CaCO3	N/A	77	1.0	310.1	1.0
-Bicarbonate as CaCO3	N/A	77	1.0	310.1	1.0
-Carbonate as CaCO3	N/A	ND	1.0	310.1	1.0
-Hydroxide as CaCO3	N/A	ND	1.0	310.1	1.0
Ca (Calcium)	7440702	18	1.0	200.7	1.0
Chloride	N/A	0.53	0.50	300.0	1.0
Fluoride	N/A	ND	0.10	300.0	1.0
Hardness as CaCO3	N/A	75	1.0	200.7	1.0
K (Potassium)	7440097	1.8	1.0	200.7	1.0
Mg (Magnesium)	7439954	7.4	1.0	200.7	1.0
Mn (Manganese)	7439965	ND	0.030	200.7	1.0
Na (Sodium)	127093	4.0	1.0	200.7	1.0
Nitrate (as N)	N/A	ND	0.50	300.0	1.0
pH	N/A	8.0	Note 1	150.1	1.0
Specific Conductance	N/A	150	Note 2	120.1	1.0
Sulfate	N/A	1.2	0.50	300.0	1.0
Total Dissolved Solids	N/A	97	1.0	160.1	1.0

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

METHOD BLANK

Analyte	CAS No.	Results (mg/L)	Reporting Limit (mg/L)	Method
Alkalinity as CaCO3	N/A	ND	1.0	310.1
-Bicarbonate as CaCO3	N/A	ND	1.0	310.1
-Carbonate as CaCO3	N/A	ND	1.0	310.1
-Hydroxide as CaCO3	N/A	ND	1.0	310.1
Ca (Calcium)	7440702	ND	1.0	200.7
Chloride	N/A	ND	0.50	300.0
Fluoride	N/A	ND	0.10	300.0
Hardness as CaCO3	N/A	ND	1.0	200.7
K (Potassium)	7440097	ND	1.0	200.7
Mg (Magnesium)	7439954	ND	1.0	200.7
Mn (Manganese)	7439965	ND	0.030	200.7
Na (Sodium)	127093	ND	1.0	200.7
Nitrate (as N)	N/A	ND	0.50	300.0
Specific Conductance	N/A	ND	Note 2	120.1
Sulfate	N/A	ND	0.50	300.0
Total Dissolved Solids	N/A	ND	1.0	160.1

Note 1: Units for pH are standard pH units.
Note 2: Units for specific conductance are umho/cm @ 25 degrees Celsius.

ND = Not detected at or above indicated Reporting Limit

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

LAB CONTROL SAMPLE

Analyte	CAS No.	Observed Value (mg/L)	LCS Conc. (mg/L)	LCS Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	1.92	2.00	96	80	120
Ca (Calcium)	7440702	9.75	10.0	98	80	120
Chloride	N/A	1.83	2.00	92	80	120
Cu (Copper)	7440508	0.245	0.250	98	80	120
Fe (Iron)	7439896	1.00	1.00	100	80	120
Fluoride	N/A	2.05	2.00	103	80	120
K (Potassium)	7440097	9.54	10.0	95	80	120
Mg (Magnesium)	7439954	9.76	10.0	98	80	120
Mn (Manganese)	7439965	0.515	0.500	103	80	120
Na (Sodium)	127093	9.68	10.0	97	80	120
Nitrate (as N)	N/A	0.467	0.452	103	80	120
Sulfate	N/A	4.83	5.00	97	80	120
Zn (Zinc)	7440666	0.491	0.500	98	80	120

LAB CONTROL SAMPLE DUPLICATE

Analyte	CAS No.	Observed Value (mg/L)	LCS Conc. (mg/L)	LCSD Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	1.92	2.00	96	80	120
Ca (Calcium)	7440702	9.84	10.0	98	80	120
Chloride	N/A	1.83	2.00	91	80	120
Cu (Copper)	7440508	0.248	0.250	99	80	120
Fe (Iron)	7439896	1.01	1.00	101	80	120
Fluoride	N/A	2.08	2.00	104	80	120
K (Potassium)	7440097	9.64	10.0	96	80	120
Mg (Magnesium)	7439954	9.86	10.0	99	80	120
Mn (Manganese)	7439965	0.520	0.500	104	80	120
Na (Sodium)	127093	9.79	10.0	98	80	120
Nitrate (as N)	N/A	0.466	0.452	103	80	120
Sulfate	N/A	4.85	5.00	97	80	120
Zn (Zinc)	7440666	0.496	0.500	99	80	120

Analysis Report: **General Mineral Analysis**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **N/A**
Date Analyzed: **10/22/2001**
Date Reported: **11/13/2001**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **W011022A**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

LCS RPD

Analyte	CAS No.	LCS Relative Percent Difference (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	0	0	30
Ca (Calcium)	7440702	0	0	30
Chloride	N/A	1	0	30
Cu (Copper)	7440508	1	0	30
Fe (Iron)	7439896	1	0	30
Fluoride	N/A	1	0	30
K (Potassium)	7440097	1	0	30
Mg (Magnesium)	7439954	1	0	30
Mn (Manganese)	7439965	1	0	30
Na (Sodium)	127093	1	0	30
Nitrate (as N)	N/A	0	0	30
Sulfate	N/A	0	0	30
Zn (Zinc)	7440666	1	0	30

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **1B-MINE PORTAL**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-1A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

1B-MINE PORTAL

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
As (Arsenic)	7440382	ND	5.0	200.8	1.0
Cu (Copper)	7440508	100	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	27	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **2B-DOLLYCRK V/S**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-2A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

2B-DOLLYCRK V/S

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	3.2	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **3B-DOLLYCRK D/S**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-3A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

3B-DOLLYCRK D/S

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	190	50	200.7	1.0
Zn (Zinc)	7440666	3.0	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **4B-DOLLYCRK 48" Cu/V**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-4A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

4B-DOLLYCRK 48" CU/V

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	8.7	5.0	200.8	1.0
Fe (Iron)	7439896	140	50	200.7	1.0
Zn (Zinc)	7440666	5.2	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/17/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **5B-LittleGriz Crk V/S**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-5A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

5B-LITTLEGRIZ CRK V/S

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	39	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	400	50	200.7	1.0
Zn (Zinc)	7440666	3.0	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **6B-USFS DAM**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-6A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

6B-USFS DAM

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	27	5.0	200.8	1.0
Fe (Iron)	7439896	560	50	200.7	1.0
Zn (Zinc)	7440666	11	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **7B-LGC above DC**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-7A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

7B-LGC ABOVE DC

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	230	50	200.7	1.0
Zn (Zinc)	7440666	5.7	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **8B-LGC below DC**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-8A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

8B-LGC BELOW DC

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	6.3	5.0	200.8	1.0
Fe (Iron)	7439896	290	50	200.7	1.0
Zn (Zinc)	7440666	6.2	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **9B-LGC Browns Cabin**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-9A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

9B-LGC BROWNS CABIN

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	6.0	5.0	200.8	1.0
Fe (Iron)	7439896	240	50	200.7	1.0
Zn (Zinc)	7440666	5.5	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **10B-LGC 2 25N05Y**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-10A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

10B-LGC 2 25N05Y

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	4.7	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **14B-S. Br.Ward**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-11A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

14B-S. BR.WARD

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	3.9	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **15B-Mid Br Ward**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-12A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

15B-MID BR WARD

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	3.0	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **16B**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-13A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

16B

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	2.5	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **17B**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-14A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

17B

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	2.6	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/18/2001**
Date Received: **10/19/2001**
Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**
Client ID No.: **18B**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555-15A**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

18B

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Method	Dilution (factor)
Al (Aluminum)	7429905	ND	20	200.7	1.0
Cu (Copper)	7440508	ND	5.0	200.8	1.0
Fe (Iron)	7439896	ND	50	200.7	1.0
Zn (Zinc)	7440666	3.2	2.0	200.8	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

METHOD BLANK

Analyte	CAS No.	Results (ug/L)	Reporting Limit (ug/L)	Method
Al (Aluminum)	7429905	ND	20	200.7
As (Arsenic)	7440382	ND	5.0	200.8
Cu (Copper)	7440508	ND	5.0	200.8
Fe (Iron)	7439896	ND	50	200.7
Zn (Zinc)	7440666	ND	2.0	200.8

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Dissolved Metals (Dissolved), EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **10/29/2001**
Date Analyzed: **10/29/2001**
Date Reported: **11/13/2001**

Project No.:
Contact: **Robert Busky**
Phone: **(916)255-3136**

Lab Contact: **Ray Oslowski**
Lab ID No.: **T2555**
Job No.: **842555**
COC Log No.: **22090-1,2**
Batch No.: **M011029B**
Instrument ID: **INMIX**
Analyst ID: **PONGC**
Matrix: **WATER**

LAB CONTROL SAMPLE

Analyte	CAS No.	Observed Value (ug/L)	LCS Conc. (ug/L)	LCS Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	2160	2000	108	80	120
As (Arsenic)	7440382	113	100	113	80	120
Cu (Copper)	7440508	103	100	103	80	120
Fe (Iron)	7439896	1200	1000	120	80	120
Zn (Zinc)	7440666	97.0	100	97	80	120

LAB CONTROL SAMPLE DUPLICATE

Analyte	CAS No.	Observed Value (ug/L)	LCS Conc. (ug/L)	LCSD Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	2180	2000	109	80	120
As (Arsenic)	7440382	110	100	110	80	120
Cu (Copper)	7440508	102	100	102	80	120
Fe (Iron)	7439896	1180	1000	118	80	120
Zn (Zinc)	7440666	97.4	100	97	80	120

LCS RPD

Analyte	CAS No.	LCS Relative Percent Difference (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	1	0	30
As (Arsenic)	7440382	3	0	30
Cu (Copper)	7440508	1	0	30
Fe (Iron)	7439896	2	0	30
Zn (Zinc)	7440666	0	0	30

RDB

CLS - Labs

CHAIN OF CUSTODY CLS ID No.; T2555 LOG NO. 22090

REPORT TO:

NAME AND ADDRESS: May Hoe RWQCB
3443 Routier Road
Sac CA 95827
PROJECT MANAGER: Robert Busby PHONE#: 255-3136
PROJECT NAME: Walker Mine
SAMPLED BY: Robert Busby
JOB DESCRIPTION:
SITE LOCATION: Walker Mine

CLIENT JOB NUMBER:

DESTINATION LABORATORY:
☒ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742
☐ OTHER

FIELD CONDITIONS:

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Bid Group Seven (total metal)	Bid Group Seven (dissolved metal)	Total Arsenic	Dissolved Arsenic	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS
10/17/01		1B- Mine Portal	W		P	3		X		X				X	Please use the
		1A " "				2,3	X		X						following detection
		2B- Dolly Crk U/S				3		X							limits =
		2A " "				2,3	X								Cu 0.001 - 0.005 mg/l
		3B- Dolly Crk D/S				3		X							Zn 0.002 mg/l
		3A " "				2,3	X								Fe 0.050 mg/l
		4B- Dolly Crk 48" Culv				3		X							Al 0.020 mg/l
		4A " "				2,3	X								As 0.005 mg/l
		5B- Little Griz Crk U/S				3		X							INVOICE TO:
		5A " "				2,3	X								
10/18/01		6B- USFS Dam				3		X							P.O. #
		6A " "				2,3	X								QUOTE #
			↓		↓									↓	

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert Busby	Robert Busby RWQCB	10/19/01 1400	Elliot Hallmark	ELL. CLS
Elliot Hallmark	ELL. CLS	10-19-01 1450		

REC'D AT LAB BY: DATE / TIME: 101901 1450 CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☒ OTHER US Postal Service AIR BILL #

LAB

10/18/01

CLS - Labs

CHAIN OF CUSTODY CLS ID No.: T2555 LOG NO. 22091

REPORT TO:

NAME AND ADDRESS: May Hoe RWQCB
3443 Routier Rd
Sac CA 95827

PROJECT MANAGER: Robert Busby PHONE#: 255-3836

PROJECT NAME: Walker Mine

SAMPLED BY: Robert Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER:

DESTINATION LABORATORY:
☒ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ OTHER

FIELD CONDITIONS:

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Bid Group Seven - Metals total	Bid Group Seven - dissolved
10/16		7B - LGC above DC	W		P	3		X
		7A " "				2,3	X	
		8B - LGC below DC				3		X
		8A " "				2,3	X	
		9B - LGC Browns Cabin				3		X
		9A " "				2,3	X	
		10B - LGC @ 25N05Y				3		X
		10A " "				2,3	X	
		14B - S. Br. Ward				3		X
		14A " "				2,3	X	
		15B - Mid Br Ward				3		X
↓		15A	↓		↓	2,3	X	

TURN AROUND TIME: 1 DAY ☐ 2 DAY ☐ 5 DAY ☐ 10 DAY ☒

SPECIAL INSTRUCTIONS:
Please use the following detection limits:
Cu 0.001 - 0.005 mg/l
Zn 0.002 mg/l
Fe 0.050 mg/l
Al 0.020 mg/l
As 0.005 mg/l

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert Busby	Robert Busby, RWQCB	10/19/01 1400	Sheryl Hollomack	CLS
Sheryl Hollomack	CLS	10/19/01 1450		

REC'D AT LAB BY:

DATE / TIME: 101901 1450

CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☒ OTHER CLS courier AIR BILL #

LAB

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.: T2555

LOG NO. 22092

REPORT TO:

NAME AND ADDRESS: May Hoe, RWQCB
CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
Central Valley Region
PROJECT MANAGER PHONE#
3443 Routier Road
PROJECT NAME Sacramento, California 95827
SAMPLED BY
JOB DESCRIPTION
SITE LOCATION

CLIENT JOB NUMBER

DESTINATION LABORATORY

☒ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ OTHER

FIELD CONDITIONS:

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	ANALYSIS REQUESTED: Bid Group Seven - Metals (Total)	ANALYSIS REQUESTED: Bid Group Seven - Dissolved
10/18		16B	W		P	3		X
		16A				23	X	
		17B				3		X
		17A				23	X	
		18B				3		X
		18A				23	X	

TURN AROUND TIME: 1 DAY | 2 DAY | 5 DAY | 10 DAY — X

SPECIAL INSTRUCTIONS:
Please use the following detection limits:
Cu 0.001 - 0.005 mg/l
Zn 0.002 mg/l
Fe 0.050 mg/l
Al 0.020 mg/l
As 0.005 mg/l

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert Busby	Robert Busby, RWQCB	10/19/01 1400	Elliot Hallmark	Ell. CLS
Elliot Hallmark	Ell. CLS	10-19-01, 1450		

REC'D AT LAB BY: DATE / TIME: 101901 1450 CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☒ OTHER CLS Courier AIR BILL #

LAB

RDB

THE TWINING LABORATORIES, INC.
EST. 1898

ANALYTICAL CHEMISTRY · ENVIRONMENTAL SERVICES
GEOTECHNICAL ENGINEERING · SAMPLING SERVICES
CONSTRUCTION INSPECTION & MATERIALS TESTING

PROJECT COVER SHEET

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.1-25

INVOICE# 70203217

ATTENTION : Rob Busby
CLIENT RWQCB - Sacramento
3443 Routier Rd., Ste. A
Sacramento, CA 95827

The Twining Laboratories is accredited by the State of California Department of Health Services for the analysis of Drinking Water, Wastewater and Hazardous Waste under Certificate No. 1371.

In accordance with your instructions, the samples submitted were analyzed for the components specified. The analytical results are enclosed on the following pages.

Please contact us if you have any questions concerning the analyses or results. Thank you for letting us serve you.

ars

RECEIVED
SACRAMENTO
CARWQCB
02 AUG -5 PM 1:51

William E. Elliott
Laboratory Director

Rev. 1 8/94 (COVER)

CORPORATE
2527 Fresno Street
Fresno, CA 93721-1804
(559) 268-7021
Fax 268-7126

MODESTO
4230 Kiernan Ave., #105
Modesto, CA 95356-9322
(209) 545-1050
Fax 545-1147

VISALIA
130 North Kelsey St., #H6
Visalia, CA 93291-9000
(559) 651-8280
Fax 651-8288

BAKERSFIELD
3701 Pegasus Drive, #124
Bakersfield, CA 93308-6843
(661) 393-5088
Fax 393-4643

MONTEREY
501 Ortiz Avenue
Sand City, CA 93955
(831) 392-1056
Fax 392-1059

SACRAMENTO
5675 Power Inn Road, Suite C
Sacramento, CA 95824
(916) 381-9477
Fax 381-9478

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.1

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 0928 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 1A PORTAL

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.094	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	0.13	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.040	mg/L	0.002	200.7
Arsenic (As)	0.015	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.2

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 0939 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 2A DC UPSTREAM

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	ND	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0033	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.3

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 0955 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 3A DC DOWNSTREAM

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.029	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	0.014	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0060	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.4

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1006 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 4A DC @ 48" CULVERT

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.033	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	0.013	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0055	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.5

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 0900 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 5A LGC UPSTREAM

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.016	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0023	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.6

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1035 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 6A USFS DAM

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.28	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	0.0051	mg/L	0.002	200.7
Copper (Cu)	0.39	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.039	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.7

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1047 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 7A LGC ABOVE DC

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.030	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0070	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.8

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1054 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 8A LGC BELOW DC

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.095	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	0.12	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.015	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.9

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1022 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 9A LGC @ BROWNS CABIN

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.096	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	0.11	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.011	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.10

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1441 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 10A LGC @ 25NO5Y

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.073	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0023	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.11

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1111 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 11A S BR WARD CR 25N42

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.047	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0040	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.12

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1149 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 12A MID BR WARD CR 25N42

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.047	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.013	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.13

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1155 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 13A NYE CRK 25N42

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	ND	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0073	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.14

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1319 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 14A S BR WARD 25N32Y

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.087	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0069	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.15

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1310 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 15A MID BR WARD 25N32Y

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.014	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0029	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.16

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1301 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 16A NYE CRK 25N32Y

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	ND	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0051	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.17

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1205 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 17A N BR WARD 25N42

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.013	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0036	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.18

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1241 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 18A N BR WARD 25N32Y

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.015	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0023	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.19

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 0949 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 19A SETTLING POND

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.099	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	0.0049	mg/L	0.002	200.7
Copper (Cu)	0.23	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.065	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.20

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1549 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 21A IC D/S LGC

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.032	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0069	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.21

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1457 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 22A IC @ ROAD 112

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.028	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0094	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.22

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1525 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 23B IC U/S LGC

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.027	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0069	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.23

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1535 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 24B LGC U/S IC

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.055	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	ND	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.24

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1511 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 25A WARD CRK @ GENESE

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.041	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0086	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.1

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 0928 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/23/02
DATE ANALYZED : 07/01/02 through 07/23/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 1B PORTAL

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	63	mg/L	2	200.7
Calcium (Ca)	13	mg/L	0.5	200.7
Magnesium (Mg)	7.4	mg/L	0.1	200.7
Sodium (Na)	5.0	mg/L	1	200.7
Potassium (K)	3.9	mg/L	1	200.7
Copper (Cu)	4100	ug/L	50	200.7
Iron (Fe)	20000	ug/L	100	200.7
Manganese (Mn)	190	ug/L	30	200.7
Zinc (Zn)	210	ug/L	50	200.7
Langlier Index	-1.3	SI	---	SM2330B
Alkalinity	64	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	78	mg/L	1	SM2320B
Chloride (Cl)	2.6	mg/L	2	300.0
Sulfate (SO_4)	8.4	mg/L	2	300.0
pH	7.2	pH	N/A	150.1
EC	120	uS/cm	1	SM2510
TDS	91	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances
REV. 6 2/97 (DOCINOR\GENMIN)

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.2

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 0939 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/23/02
DATE ANALYZED : 07/01/02 through 07/23/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 2B DC UPSTREAM

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	69	mg/L	2	200.7
Calcium (Ca)	15	mg/L	0.5	200.7
Magnesium (Mg)	7.7	mg/L	0.1	200.7
Sodium (Na)	2.8	mg/L	1	200.7
Potassium (K)	ND	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	ND	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.67	SI	---	SM2330B
Alkalinity	67	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	82	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	ND	mg/L	2	300.0
pH	7.7	pH	N/A	150.1
EC	140	uS/cm	1	SM2510
TDS	67	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances
SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable
SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.3

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 0955 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/23/02
DATE ANALYZED : 07/01/02 through 07/23/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 3B DC DOWNSTREAM

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	68	mg/L	2	200.7
Calcium (Ca)	15	mg/L	0.5	200.7
Magnesium (Mg)	7.4	mg/L	0.1	200.7
Sodium (Na)	3.0	mg/L	1	200.7
Potassium (K)	ND	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	1100	ug/L	100	200.7
Manganese (Mn)	63	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.96	SI	----	SM2330B
Alkalinity	69	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	84	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	ND	mg/L	2	300.0
pH	7.4	pH	N/A	150.1
EC	140	uS/cm	1	SM2510
TDS	82	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.4

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1006 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/23/02
DATE ANALYZED : 07/01/02 through 07/23/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 4B DC @ 48" CULVERT

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	67	mg/L	2	200.7
Calcium (Ca)	15	mg/L	0.5	200.7
Magnesium (Mg)	7.3	mg/L	0.1	200.7
Sodium (Na)	2.8	mg/L	1	200.7
Potassium (K)	ND	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	260	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.57	SI	---	SM2330B
Alkalinity	68	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	83	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	ND	mg/L	2	300.0
pH	7.8	pH	N/A	150.1
EC	140	uS/cm	1	SM2510
TDS	90	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.5

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 0900 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/23/02
DATE ANALYZED : 07/01/02 through 07/23/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 5B LGC UPSTREAM

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	46	mg/L	2	200.7
Calcium (Ca)	11	mg/L	0.5	200.7
Magnesium (Mg)	4.3	mg/L	0.1	200.7
Sodium (Na)	3.8	mg/L	1	200.7
Potassium (K)	1.3	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	310	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-1.1	SI	---	SM2330B
Alkalinity	60	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	73	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	ND	mg/L	2	300.0
pH	7.5	pH	N/A	150.1
EC	110	uS/cm	1	SM2510
TDS	60	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.6

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1035 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/23/02
DATE ANALYZED : 07/01/02 through 07/23/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 6B USFS DAM

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	71	mg/L	2	200.7
Calcium (Ca)	17	mg/L	0.5	200.7
Magnesium (Mg)	6.9	mg/L	0.1	200.7
Sodium (Na)	3.4	mg/L	1	200.7
Potassium (K)	1.1	mg/L	1	200.7
Copper (Cu)	80	ug/L	50	200.7
Iron (Fe)	1100	ug/L	100	200.7
Manganese (Mn)	160	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.54	SI	---	SM2330B
Alkalinity	64	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	78	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	9.4	mg/L	2	300.0
pH	7.8	pH	N/A	150.1
EC	150	uS/cm	1	SM2510
TDS	90	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.7

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1047 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/23/02
DATE ANALYZED : 07/01/02 through 07/23/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 7B LGC ABOVE DC

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	56	mg/L	2	200.7
Calcium (Ca)	15	mg/L	0.5	200.7
Magnesium (Mg)	4.3	mg/L	0.1	200.7
Sodium (Na)	4.2	mg/L	1	200.7
Potassium (K)	1.6	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	770	ug/L	100	200.7
Manganese (Mn)	87	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.85	SI	---	SM2330B
Alkalinity	57	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	70	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	6.7	mg/L	2	300.0
pH	7.6	pH	N/A	150.1
EC	130	uS/cm	1	SM2510
TDS	87	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.8

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1054 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/23/02
DATE ANALYZED : 07/01/02 through 07/23/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 8B LGC BELOW DC

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	60	mg/L	2	200.7
Calcium (Ca)	16	mg/L	0.5	200.7
Magnesium (Mg)	4.9	mg/L	0.1	200.7
Sodium (Na)	4.0	mg/L	1	200.7
Potassium (K)	1.5	mg/L	1	200.7
Copper (Cu)	170	ug/L	50	200.7
Iron (Fe)	820	ug/L	100	200.7
Manganese (Mn)	91	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.72	SI	---	SM2330B
Alkalinity	72	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	88	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	7.6	mg/L	2	300.0
pH	7.6	pH	N/A	150.1
EC	140	uS/cm	1	SM2510
TDS	87	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.9

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1022 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 9B LGC @ BROWNS CABIN

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	59	mg/L	2	200.7
Calcium (Ca)	16	mg/L	0.5	200.7
Magnesium (Mg)	4.9	mg/L	0.1	200.7
Sodium (Na)	4.0	mg/L	1	200.7
Potassium (K)	1.5	mg/L	1	200.7
Copper (Cu)	170	ug/L	50	200.7
Iron (Fe)	770	ug/L	100	200.7
Manganese (Mn)	82	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-1.1	SI	---	SM2330B
Alkalinity	60	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	73	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	7.3	mg/L	2	300.0
pH	7.8	pH	N/A	150.1
EC	140	uS/cm	1	SM2510
TDS	110	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.10

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1441 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 10B LGC @ 25N05Y

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	54	mg/L	2	200.7
Calcium (Ca)	16	mg/L	0.5	200.7
Magnesium (Mg)	3.3	mg/L	0.1	200.7
Sodium (Na)	3.8	mg/L	1	200.7
Potassium (K)	1.1	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	ND	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.63	SI	---	SM2330B
Alkalinity	56	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	68	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	4.3	mg/L	2	300.0
pH	7.8	pH	N/A	150.1
EC	120	uS/cm	1	SM2510
TDS	71	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances
SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable
SI: Saturation Index
DLR: Detection Limit for Reporting purposes
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.11

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1141 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 11B S BR WARD CR 25N42

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	16	mg/L	2	200.7
Calcium (Ca)	4.3	mg/L	0.5	200.7
Magnesium (Mg)	1.4	mg/L	0.1	200.7
Sodium (Na)	2.2	mg/L	1	200.7
Potassium (K)	ND	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	100	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-3.0	SI	---	SM2330B
Alkalinity	18	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	24	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	ND	mg/L	2	300.0
pH	6.5	pH	N/A	150.1
EC	43	uS/cm	1	SM2510
TDS	14	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances
REV. 6 2/97 (DOCINOR\GENMIN)

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.12

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1149 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 12B MID BR WARD CR 25N42

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	14	mg/L	2	200.7
Calcium (Ca)	3.1	mg/L	0.5	200.7
Magnesium (Mg)	1.5	mg/L	0.1	200.7
Sodium (Na)	1.1	mg/L	1	200.7
Potassium (K)	ND	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	ND	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-3.8	SI	---	SM2330B
Alkalinity	12	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	20	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	ND	mg/L	2	300.0
pH	6.0	pH	N/A	150.1
EC	35	uS/cm	1	SM2510
TDS	21	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances
SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable
SI: Saturation Index
DLR: Detection Limit for Reporting purposes
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.13

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1155 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 13B NYE CRK 25N42

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	44	mg/L	2	200.7
Calcium (Ca)	11	mg/L	0.5	200.7
Magnesium (Mg)	4.4	mg/L	0.1	200.7
Sodium (Na)	2.5	mg/L	1	200.7
Potassium (K)	ND	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	ND	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-1.4	SI	---	SM2330B
Alkalinity	48	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	59	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	ND	mg/L	2	300.0
pH	7.2	pH	N/A	150.1
EC	98	uS/cm	1	SM2510
TDS	69	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.14

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1319 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 14B S BR WARD 25N32Y

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	100	mg/L	2	200.7
Calcium (Ca)	37	mg/L	0.5	200.7
Magnesium (Mg)	3.0	mg/L	0.1	200.7
Sodium (Na)	2.9	mg/L	1	200.7
Potassium (K)	1.1	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	ND	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.12	SI	---	SM2330B
Alkalinity	100	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	130	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	5.5	mg/L	2	300.0
pH	7.7	pH	N/A	150.1
EC	210	uS/cm	1	SM2510
TDS	120	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.15

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1310 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 15B MID BR WARD 25N32Y

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	57	mg/L	2	200.7
Calcium (Ca)	14	mg/L	0.5	200.7
Magnesium (Mg)	5.4	mg/L	0.1	200.7
Sodium (Na)	2.8	mg/L	1	200.7
Potassium (K)	1.1	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	ND	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.53	SI	---	SM2330B
Alkalinity	64	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	78	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	ND	mg/L	2	300.0
pH	7.9	pH	N/A	150.1
EC	120	uS/cm	1	SM2510
TDS	73	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.16

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1301 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 16B NYE CRK 25N32Y

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	66	mg/L	2	200.7
Calcium (Ca)	16	mg/L	0.5	200.7
Magnesium (Mg)	6.3	mg/L	0.1	200.7
Sodium (Na)	3.0	mg/L	1	200.7
Potassium (K)	1.3	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	ND	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.52	SI	---	SM2330B
Alkalinity	72	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	88	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	ND	mg/L	2	300.0
pH	7.8	pH	N/A	150.1
EC	140	uS/cm	1	SM2510
TDS	78	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Cantimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.17

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1205 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : N BR WARD 25N42

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	74	mg/L	2	200.7
Calcium (Ca)	18	mg/L	0.5	200.7
Magnesium (Mg)	7.2	mg/L	0.1	200.7
Sodium (Na)	3.5	mg/L	1	200.7
Potassium (K)	1.7	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	ND	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.42	SI	---	SM2330B
Alkalinity	80	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	98	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	ND	mg/L	2	300.0
pH	7.8	pH	N/A	150.1
EC	160	uS/cm	1	SM2510
TDS	84	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.18

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1241 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 18A N BR WARD 25N32Y

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	70	mg/L	2	200.7
Calcium (Ca)	17	mg/L	0.5	200.7
Magnesium (Mg)	6.8	mg/L	0.1	200.7
Sodium (Na)	3.8	mg/L	1	200.7
Potassium (K)	1.9	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	ND	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.35	SI	---	SM2330B
Alkalinity	80	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	98	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	ND	mg/L	2	300.0
pH	7.9	pH	N/A	150.1
EC	160	uS/cm	1	SM2510
TDS	99	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.19

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 0949 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 19B SETTLING POND

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	76	mg/L	2	200.7
Calcium (Ca)	22	mg/L	0.5	200.7
Magnesium (Mg)	4.8	mg/L	0.1	200.7
Sodium (Na)	5.2	mg/L	1	200.7
Potassium (K)	2.9	mg/L	1	200.7
Copper (Cu)	560	ug/L	50	200.7
Iron (Fe)	470	ug/L	100	200.7
Manganese (Mn)	320	ug/L	30	200.7
Zinc (Zn)	75	ug/L	50	200.7
Langlier Index	-1.7	SI	---	SM2330B
Alkalinity	14	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	20	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	70	mg/L	4	300.0
pH	7.2	pH	N/A	150.1
EC	210	uS/cm	1	SM2510
TDS	150	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.20

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1549 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 21B IC D/S LGC

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	54	mg/L	2	200.7
Calcium (Ca)	14	mg/L	0.5	200.7
Magnesium (Mg)	4.5	mg/L	0.1	200.7
Sodium (Na)	6.2	mg/L	1	200.7
Potassium (K)	1.9	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	300	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.96	SI	---	SM2330B
Alkalinity	60	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	73	mg/L	1	SM2320B
Chloride (Cl)	2.2	mg/L	2	300.0
Sulfate (SO_4)	3.3	mg/L	2	300.0
pH	7.5	pH	N/A	150.1
EC	140	uS/cm	1	SM2510
TDS	84	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.21

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1457 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 22B IC @ ROAD 112

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	53	mg/L	2	200.7
Calcium (Ca)	14	mg/L	0.5	200.7
Magnesium (Mg)	4.6	mg/L	0.1	200.7
Sodium (Na)	6.8	mg/L	1	200.7
Potassium (K)	2.1	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	300	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	50	ug/L	50	200.7
Langlier Index	-0.63	SI	---	SM2330B
Alkalinity	64	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	78	mg/L	1	SM2320B
Chloride (Cl)	2.3	mg/L	2	300.0
Sulfate (SO_4)	3.0	mg/L	2	300.0
pH	7.8	pH	N/A	150.1
EC	140	uS/cm	1	SM2510
TDS	87	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances
REV. 6 2/97 (DOCINOR\GENMIN)

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.22

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1525 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 23B IC U/S LGC

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	54	mg/L	2	200.7
Calcium (Ca)	14	mg/L	0.5	200.7
Magnesium (Mg)	4.6	mg/L	0.1	200.7
Sodium (Na)	6.3	mg/L	1	200.7
Potassium (K)	1.8	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	350	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.73	SI	---	SM2330B
Alkalinity	64	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	78	mg/L	1	SM2320B
Chloride (Cl)	2.3	mg/L	2	300.0
Sulfate (SO_4)	3.2	mg/L	2	300.0
pH	7.7	pH	N/A	150.1
EC	140	uS/cm	1	SM2510
TDS	85	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.23

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1535 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 24B LGC U/S IC

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	53	mg/L	2	200.7
Calcium (Ca)	16	mg/L	0.5	200.7
Magnesium (Mg)	3.2	mg/L	0.1	200.7
Sodium (Na)	3.2	mg/L	1	200.7
Potassium (K)	ND	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	ND	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.50	SI	---	SM2330B
Alkalinity	60	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	73	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	4.0	mg/L	2	300.0
pH	7.9	pH	N/A	150.1
EC	120	uS/cm	1	SM2510
TDS	73	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.24

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1511 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : N. Tyler , S. Stasikonis, G. Barrett, J. Tangye, B. Coleman, C. Fammatre
REVIEWED BY : B. Coleman

DATE PREPARED : 07/01/02 through 07/24/02
DATE ANALYZED : 07/01/02 through 07/24/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 25B WARD CRK @ GENESE

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Hardness	71	mg/L	2	200.7
Calcium (Ca)	19	mg/L	0.5	200.7
Magnesium (Mg)	5.8	mg/L	0.1	200.7
Sodium (Na)	5.1	mg/L	1	200.7
Potassium (K)	1.3	mg/L	1	200.7
Copper (Cu)	ND	ug/L	50	200.7
Iron (Fe)	ND	ug/L	100	200.7
Manganese (Mn)	ND	ug/L	30	200.7
Zinc (Zn)	ND	ug/L	50	200.7
Langlier Index	-0.55	SI	---	SM2330B
Alkalinity	72	mg/L	1	SM2320B
Hydroxide (OH)	ND	mg/L	1	SM2320B
Carbonate (CO_3)	ND	mg/L	1	SM2320B
Bicarb. (HCO_3)	88	mg/L	1	SM2320B
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	3.7	mg/L	2	300.0
pH	7.7	pH	N/A	150.1
EC	160	uS/cm	1	SM2510
TDS	95	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.1-24

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 As listed by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/19/02
DATE ANALYZED : 07/19/02

SAMPLE TYPE: Aqueous

CONSTITUENT : Aluminum (Al)

LAB ID #	SAMPLE ID	RESULT	UNITS	DLR	METHOD
1	1A, B PORTAL @ 0928	6400	µg/L	50	200.7
2	2A, B DC UPSTREAM @ 0939	ND	µg/L	50	200.7
3	3A, B DC DOWNSTREAM @ 0955	10	µg/L	50	200.7
4	4A, B DC @ 48" CULVERT @ 1006	ND	µg/L	50	200.7
5	5A, B LGC UPSTREAM @ 0900	ND	µg/L	50	200.7
6	6A, B USFS DAM @ 1035	ND	µg/L	50	200.7
7	7A, B LGC ABOVE DC @ 1047	ND	µg/L	50	200.7
8	8A, B LGC BELOW DC @ 1054	ND	µg/L	50	200.7
9	9A, B LGC @ BROWNS CABIN @ 1022	ND	µg/L	50	200.7
10	10A, B LGC @ 25N05Y @ 1441	ND	µg/L	50	200.7
11	11A, B S BR WARD CR 25N42 @ 1141	110	µg/L	50	200.7
12	12A, B MID BR WARD CR 25N42 @ 1149	ND	µg/L	50	200.7
13	13A, B NYE CRK 25N42 @ 1155	ND	µg/L	50	200.7
14	14A, B S BR WARD 25N32Y @ 1319	ND	µg/L	50	200.7
15	15A, B MID BR WARD 25N32Y @ 1310	ND	µg/L	50	200.7
16	16A, B NYE CRK 25N32Y @ 1301	ND	µg/L	50	200.7
17	17A, B N BR WARD 25N42 @ 1205	130	µg/L	50	200.7
18	18A, B N BR WARD 25N32Y @ 1241	75	µg/L	50	200.7
19	19A, B SETTLING POND @ 0949	ND	µg/L	50	200.7
20	21A, B IC D/S LGC @ 1549	53	µg/L	50	200.7
21	22A, B IC @ ROAD 112 @ 1457	54	µg/L	50	200.7
22	23A, B IC U/S LGC @ 1525	71	µg/L	50	200.7
23	24A, B LGC U/C IC @ 1535	ND	µg/L	50	200.7
24	25A, B WARD CRK @ GENESE @ 1511	ND	µg/L	50	200.7

ND: None Detected DLR: Detection Limit for Reporting purposes
mg/L: Milligrams per liter (ppm) SM: Standard Methods (18th Edition)
ug/L: Micrograms per liter (ppb)

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.1

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 0928 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : E. Abalos
REVIEWED BY : B. Coleman

DATE PREPARED : 07/25/02
DATE ANALYZED : 07/25/02

SAMPLE TYPE: Aqueous

CONSTITUENT : Arsenic (As)

LAB ID #	SAMPLE ID	RESULT	UNITS	DLR	METHOD
1	1A, B PORTAL	0.066	mg/L	0.005	SM3114B

ND: None Detected
mg/L: Milligrams per liter (ppm)
ug/L: Micrograms per liter (ppb)
DLR: Detection Limit for Reporting purposes
SM: Standard Methods (18th Edition)

Twining Laboratories, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
FAX: (559) 268-0740

Facsimile Transmittal

To: Rob Bellsby Fax: 916-255-3015

From: ANDY SERUNTINE Date: 7/29/02

Re: COC# 7020 - 3217 Pages: 52

CC:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Original to follow by mail. If you have any questions, Please feel free to call

559-268-7021 Ext. 212. Thank you.

COMMENTS:

MESSAGE CONFIRMATION

JUL-29-2002 11:05 MON

FAX NUMBER: 5592680740
NAME : TWINING LABS INC

NAME/NUMBER : 19162553015
PAGE : 022
START TIME : JUL-29-2002 11:00 MON
ELAPSED TIME : 04'35"
MODE : G3 STD ECM
RESULTS : [O.K]

Twining Laboratories, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
FAX: (559) 268-0740

Facsimile Transmittal

To: Rob Beesley Fax: 9116-255-3015

From: ANDY SERUNTINE Date: 7/29/02

Re: COC# 7020 - 3217 Pages: 32

CC:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Original to follow by mail. If you have any questions, Please feel free to call 559-268-7021 Ext. 212. Thank you.

COMMENTS:

MESSAGE CONFIRMATION

JUL-29-2002 11:12 MON

FAX NUMBER: 5592680740
NAME : TWINING LABS INC

NAME/NUMBER : 19162553015
PAGE : 030
START TIME : JUL-29-2002 11:05 MON
ELAPSED TIME : 06'22"
MODE : G3 STD ECM
RESULTS : [O.K]

REPORT DATE : July 26, 2002
LABORATORY ID : 702-3217.21

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/02 at 1457 by Client
DATE RECEIVED : 06/28/02 at 1345 from Client

CLIENT : RWQCB - SACRAMENTO

ANALYZED BY : G. Barrett
REVIEWED BY : B. Coleman

DATE PREPARED : 07/22/02 through 07/26/02
DATE ANALYZED : 07/22/02 through 07/26/02

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : 22A IC @ ROAD 112

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.028	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0094	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

Rev. 8/98

6/27/02 7-30

Pg 1 of 5

THE TWINING LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC # 70203217.1-25

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION:		
REPORT TO: RWQCB - SAC	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: 3443 Routier Rd Ste A Sacramento, CA	ADDRESS:	ADDRESS:
ATTENTION: Rob Busby	ATTENTION:	ATTENTION:
PH (916) 255-3136	PH ( )	PH ( )
FAX ( )	FAX ( )	FAX ( )
	CONTRACT # OR P.O. 9-150-051-0	

BACTERIOLOGICAL SAMPLE SOURCE	SAMPLE STATUS
☐ PUBLIC SYSTEM	☐ ROUTINE
☐ PRIVATE WELL	☐ REPEAT
☐ SURFACE WATER	☐ OTHER
☐ CONSTRUCTION ☐ OTHER	

REPORTS FOR:

COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE

☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER: _____

SAMPLE INFORMATION:

SAMPLE BY (PRINT NAME):

SIGNATURE:

☒ ROUTINE ANALYSIS

☐ RUSH ANALYSIS, RESULTS NEEDED BY:

PROJECT:

SITE: ~~Watt~~

PROJECT #:

PROJECT MANAGER:

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE

BS - Biosolids GW - Ground Water SL - Soil/Solid
DW - Drinking Water SF - Surface Water ST - Storm Water
WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	Bid Group 7 Dissolved Metals (Cu, Zn, Fe, Al)	Total Cu, Zn, Fe, Al	Total Arsenic	Dissolved Arsenic		(LAB USE - BOTTLES)
1	1A Portal	6/27/02	09:28	P	X					2 CO HNO_3
	1B "		09:28			X	X			ME
2	2A DC upstream		08:39		X				HNO_3 preservative	1L pø DI
	2B "		09:39			X			HNO_3 preservative	
3	3A DC Downstream		0955		X					
	3B "		0955			X			HNO_3	
	4A DC @ 48" culvert		1006		X					
	4B "		1006			X			HNO_3	
	5A LGC upstream		0908		X					
	5B " "		0908			X			HNO_3	

COMMENTS: Please use the following detection limits:
Cu 0.001 - 0.005 mg/l ; Zn 0.002 mg/l ; Fe 0.050 mg/l ; Al 0.020 mg/l
As 0.005 mg/l

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Rob Busby	RWQCB	6/27/02	0830		TL
		6/28	1345		
				See Back pgs	

THE TWINING LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC # 702039217-1-25

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION:		
REPORT TO: RWQCB	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: 3443 Routier Suite A Sacramento CA	ADDRESS:	ADDRESS:
ATTENTION: Rob Busby	ATTENTION:	ATTENTION:
PH (916) 255-3136	PH ( )	PH ( )
FAX ( )	FAX ( )	FAX ( )
	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE	SAMPLE STATUS
☐ PUBLIC SYSTEM	☐ ROUTINE
☐ PRIVATE WELL	☐ REPEAT
☐ SURFACE WATER	☐ OTHER
☐ CONSTRUCTION ☐ OTHER	

REPORTS FOR:

COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE

☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER: _____

SAMPLE INFORMATION:

SAMPLE BY (PRINT NAME):

SIGNATURE:

☒ ROUTINE ANALYSIS

☐ RUSH ANALYSIS, RESULTS NEEDED BY:

PROJECT:

SITE: _____

PROJECT #: _____

PROJECT MANAGER: _____

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE

BS - Biosolids; DW - Drinking Water; GW - Ground Water; SF - Surface Water; SL - Soil/Solid; ST - Storm Water; WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	Bld Group 7 Dissolved Metals	General Minerals	Total Cu, Zn, Fe, Al			(LAB USE - BOTTLES)
6	6A USFS Dam	6/27/02	1035	P	X					
	6B "		1035			X		HNO_3 preservative		
7	7A LGC above DC		1047		X					
	7B "		1047			X		HNO_3 preservative		
8	8A LGC below DC		1054		X					
	8B "		1054			X		HNO_3		(0 HNO_3 ME ILP001)
9	9A LGC @ Browns Cabin		1022		X					
	9B "		1022			X		HNO_3		
10	10A LGC @ 25N05Y		1441		X					
	10B "		1441			X		HNO_3		

COMMENTS: Please use the following detection limits:
Cu 0.001 - 0.005 mg/l; Zn 0.002 mg/l; Fe 0.050 mg/l; Al 0.020 mg/l
As 0.005 mg/l

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Robert D. Busby	RWQCB	6/27/02	2030		
		6/28	1345	[signature]	TT

THE TWINING LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC # 7020 3217.1-25

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION:		
REPORT TO: RWQCB	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: 3443 Routier Rd Suite A Sacramento, CA	ADDRESS:	ADDRESS:
ATTENTION: Rob Busby	ATTENTION:	ATTENTION:
PH (916) 255-3136	PH ( )	PH ( )
FAX ( )	FAX ( )	FAX ( )
	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE	SAMPLE STATUS
☐ PUBLIC SYSTEM	☐ ROUTINE
☐ PRIVATE WELL	☐ REPEAT
☐ SURFACE WATER	☐ OTHER
☐ CONSTRUCTION ☐ OTHER	

REPORTS FOR:

COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE

☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER: _____

SAMPLE INFORMATION:

SAMPLE BY (PRINT NAME):

SIGNATURE:

☒ ROUTINE ANALYSIS

☐ RUSH ANALYSIS, RESULTS NEEDED BY:

PROJECT:

SITE: _____

PROJECT #: _____

PROJECT MANAGER: _____

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE

BS - Biosolids GW - Ground Water SL - Soil/Solid
DW - Drinking Water SF - Surface Water ST - Storm Water
WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	Bid Group 7	Dissolved Metals	General Minerals	Total Cu, Zn, Fe, Al	(LAB USE - BOTTLES)
11	11A S Br Ward Cr 25N42	6/27/02	1141	P	X				
	11B " "		1141			X			HNO_3 preservative
12	12A Mid Br Ward Cr 25N42		1149		X				
	12B " "		1149			X			HNO_3
13	13A Nye Crk 25N42		1155		X				CO HNO_3 ME
	13B " "		1155			X			HNO_3
14	14A S Br Ward 25N32Y		1319		X				11p001
	14B "		1319			X			HNO_3
15	15A Mid Br Ward 25N32Y		1310		X				
	15B "		1310			X			HNO_3

COMMENTS: Please use the following detection limits:
Cu 0.001 – 0.005 mg/l ; Zn 0.002 mg/l ; Fe 0.050 mg/l ; Al 0.020 mg/l
As 0.005 mg/l

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
[signature]	RWQCB	6/27/02	2030		
		6/28	1345	[signature]	SG

THE **TWINING** LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC # 70203217.1

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION:		
REPORT TO: RWQCB	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: 3443 Routier Rd Ste A Sacramento, CA	ADDRESS:	ADDRESS:
ATTENTION: Rob Busby	ATTENTION:	ATTENTION:
PH (916) 255-3136	PH ( )	PH ( )
FAX ( )	FAX ( )	FAX ( )
	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE	SAMPLE STATUS
☐ PUBLIC SYSTEM	☐ ROUTINE
☐ PRIVATE WELL	☐ REPEAT
☐ SURFACE WATER	☐ OTHER
☐ CONSTRUCTION ☐ OTHER	

REPORTS FOR:

COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE

☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER: _____

SAMPLE INFORMATION:

SAMPLE BY (PRINT NAME):

SIGNATURE:

☒ ROUTINE ANALYSIS

☐ RUSH ANALYSIS, RESULTS NEEDED BY:

PROJECT:

SITE: _____

PROJECT #: _____

PROJECT MANAGER: _____

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE

BS - Biosolids
DW - Drinking Water
GW - Ground Water
SF - Surface Water
SL - Soil/Solid
ST - Storm Water
WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	Bid Group 7	Dissolved Metals	General Minerals	Total Cu, Zn, Fe, Al	(LAB USE - BOTTLES)
16	16A Nye Crk 25N32Y	6/27/12	1301	P	X				
	16B " "		1301			X			HNO3 preservative
17	17A N Br Ward 25N42		1205		X				
	17B " "		1205			X			HNO_3
18	18A N Br Ward 25N32Y		1241		X				(0 HNO_3 mL
	18B " "		1241			X			HNO_3 14p ø DI
19	19A Settling Pond		0949		X				
	19B " "		0949			X			HNO_3
20	~~20A LGCC Far West~~				X				HNO_3 Sample not
	~~20B~~ " "					X			HNO_3 received

COMMENTS: Please use the following detection limits:
Cu 0.001 – 0.005 mg/L ; Zn 0.002 mg/L ; Fe 0.050 mg/L ; Al 0.020 mg/L
As 0.005 mg/L

6/27/12

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Rob Busby	RWQCB	6/27/12	2030		
		6/28	1345	[signature]	TT

pg 5 of 5

THE **TWINING** LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC # 70203217-1

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION:		
REPORT TO: RWQCB	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: 3443 Routier Rd	ADDRESS:	ADDRESS:
Suite A		
Sacramento, CA		
ATTENTION: Rob Busby	ATTENTION:	ATTENTION:
PH (916) 255-3136	PH ( )	PH ( )
FAX ( )	FAX ( )	FAX ( )
	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE	SAMPLE STATUS
☐ PUBLIC SYSTEM	☐ ROUTINE
☐ PRIVATE WELL	☐ REPEAT
☐ SURFACE WATER	☐ OTHER
☐ CONSTRUCTION ☐ OTHER	

REPORTS FOR:

COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE

☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER: _____

PROJECT:

SITE: _____

PROJECT #: _____

PROJECT MANAGER: _____

SAMPLE INFORMATION:

SAMPLE BY (PRINT NAME):

SIGNATURE:

☒ ROUTINE ANALYSIS

☐ RUSH ANALYSIS, RESULTS NEEDED BY:

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE

BS - Biosolids, GW - Ground Water, SL - Soil/Solid, DW - Drinking Water, SF - Surface Water, ST - Storm Water, WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	Bid Group 7 Dissolved Metals General Minerals	Total Cu, Zn, Fe, Al								(LAB USE - BOTTLES)
20	21A IC D/S LGC	6/27/02	1549	P	X									
	21B " "		1549			X			HNO_3 preservative					
21	22A IC @ Road 112		1457		X									
	22B " "		1457			X			HNO_3					CO HNO_3 ME
22	23A IC U/S LGC		1525		X									
	23B " "		1525			X			HNO_3					1Lp001
23	24A LGC U/S IC		1535		X									
	24B " "		1535			X			HNO_3					
24	25A Ward Crk @ Genese		1511		X									
	25B " "		1511			X			HNO_3					

COMMENTS:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
[signature]	RWQCB	6/27/02	2030		
		6/28	1345	[signature]	[signature]

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

RDB

REVISION

Date: 11/18/02

Client: CRWQCB Sacramento

Project: Walker Mine

Lab Job #: U1974

Attention: Rob Busky

Revision Remarks: Enclosed is the revised report for Metals

Sincerely,

James Liang Ph.D.
Laboratory Director

RECEIVED
SACRAMENTO
CVRWQCB
02 NOV 20 PM 1:17

3249 Fitzgerald Rd Rancho Cordova, CA 95742 www.californialab.com 800-638-7301 916-638-7301 Fax: 916-638-4510

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/02/2002**
Date Received: **10/04/2002**
Date Extracted: **10/07/2002**
Date Analyzed: **10/15/2002**
Date Reported: **11/18/2002**

Project No.:
Contact: **Rob Busky**
Phone: **(916)255-3034**

Lab Contact: **Ray Oslowski**
Lab ID No.: **U1974**
Job No.: **851974**
COC Log No.: **22553,4,5**
Batch No.: **M021007A**
Instrument ID: **IP004**
Analyst ID: **ANTHONYG**
Matrix: **WATER**

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Dilution (factor)
1B / 1B Portal				
Al (Aluminum)	7429905	120	50	1.0
As (Arsenic)	7440382	30	5.0	1.0
Cu (Copper)	7440508	610	20	1.0
Fe (Iron)	7439896	970	100	1.0
Zn (Zinc)	7440666	43	20	1.0
2B / 2B DOLLY CK UPSTREAM				
Al (Aluminum)	7429905	ND	20	1.0
Cu (Copper)	7440508	ND	5.0	1.0
Fe (Iron)	7439896	ND	100	1.0
Zn (Zinc)	7440666	ND	5.0	1.0
3B / 19B SETTLING POND				
Al (Aluminum)	7429905	ND	50	1.0
Cu (Copper)	7440508	600	20	1.0
Fe (Iron)	7439896	1000	100	1.0
Zn (Zinc)	7440666	87	20	1.0
4B / 3B DC DOWNSTREAM				
Al (Aluminum)	7429905	ND	20	1.0
Cu (Copper)	7440508	8.1	5.0	1.0
Fe (Iron)	7439896	570	100	1.0
Zn (Zinc)	7440666	5.6	5.0	1.0
5B / 4B DC @ CULVERT				
Al (Aluminum)	7429905	ND	20	1.0
Cu (Copper)	7440508	9.6	5.0	1.0
Fe (Iron)	7439896	320	100	1.0
Zn (Zinc)	7440666	5.4	5.0	1.0
6B / 5B LGC UPSTREAM				
Al (Aluminum)	7429905	22	20	1.0
Cu (Copper)	7440508	ND	5.0	1.0
Fe (Iron)	7439896	480	100	1.0
Zn (Zinc)	7440666	ND	5.0	1.0
7B / 9B LGC @ BROWN CABIN				
Al (Aluminum)	7429905	ND	20	1.0
Cu (Copper)	7440508	36	5.0	1.0
Fe (Iron)	7439896	550	100	1.0
Zn (Zinc)	7440666	9.6	5.0	1.0
8B / 8B LGC BELOW DC				
Al (Aluminum)	7429905	ND	20	1.0
Cu (Copper)	7440508	38	20	1.0
Fe (Iron)	7439896	600	100	1.0
Zn (Zinc)	7440666	11	5.0	1.0

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/03/2002**
Date Received: **10/04/2002**
Date Extracted: **10/07/2002**
Date Analyzed: **10/15/2002**
Date Reported: **11/18/2002**

Project No.:
Contact: **Rob Busky**
Phone: **(916)255-3034**

Lab Contact: **Ray Oslowski**
Lab ID No.: **U1974**
Job No.: **851974**
COC Log No.: **22553,4,5**
Batch No.: **M021007A**
Instrument ID: **IP004**
Analyst ID: **ANTHONYG**
Matrix: **WATER**

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Dilution (factor)
9B / 6B USFS DAM				
Al (Aluminum)	7429905	ND	20	1.0
Cu (Copper)	7440508	120	20	1.0
Fe (Iron)	7439896	650	100	1.0
Zn (Zinc)	7440666	21	5.0	1.0
10B / 7B LGC ABOVE DC				
Al (Aluminum)	7429905	ND	20	1.0
Cu (Copper)	7440508	ND	5.0	1.0
Fe (Iron)	7439896	580	100	1.0
Zn (Zinc)	7440666	ND	5.0	1.0
11B / 17B N. BR WARD CK@25N42Y				
Al (Aluminum)	7429905	ND	20	1.0
Cu (Copper)	7440508	ND	5.0	1.0
Fe (Iron)	7439896	ND	100	1.0
Zn (Zinc)	7440666	ND	5.0	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **10/07/2002**
Date Analyzed: **10/15/2002**
Date Reported: **11/18/2002**

Project No.:
Contact: **Rob Busky**
Phone: **(916)255-3034**

Lab Contact: **Ray Oslowski**
Lab ID No.: **U1974**
Job No.: **851974**
COC Log No.: **22553,4,5**
Batch No.: **M021007A**
Instrument ID: **IP004**
Analyst ID: **ANTHONYG**
Matrix: **WATER**

METHOD BLANK

Analyte	CAS No.	Results (ug/L)	Reporting Limit (ug/L)
Al (Aluminum)	7429905	ND	50
Cu (Copper)	7440508	ND	20
Fe (Iron)	7439896	ND	100
Zn (Zinc)	7440666	ND	20

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **10/07/2002**
Date Analyzed: **10/15/2002**
Date Reported: **11/18/2002**

Project No.:
Contact: **Rob Busky**
Phone: **(916)255-3034**

Lab Contact: **Ray Oslowski**
Lab ID No.: **U1974**
Job No.: **851974**
COC Log No.: **22553,4,5**
Batch No.: **M021007A**
Instrument ID: **IP004**
Analyst ID: **ANTHONYG**
Matrix: **WATER**

MATRIX SPIKE

Analyte	CAS No.	Observed Conc. (ug/L)	MS Conc. (ug/L)	MS Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	2050	2000	102	75	125
Cu (Copper)	7440508	247	250	99	75	125
Fe (Iron)	7439896	1040	1000	104	75	125
Zn (Zinc)	7440666	489	500	98	75	125

MATRIX SPIKE DUPLICATE

Analyte	CAS No.	Observed Conc. (ug/L)	MSD Conc. (ug/L)	MSD Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	2080	2000	104	75	125
Cu (Copper)	7440508	253	250	101	75	125
Fe (Iron)	7439896	1060	1000	106	75	125
Zn (Zinc)	7440666	500	500	100	75	125

RELATIVE % DIFFERENCE

Analyte	CAS No.	Relative Percent Difference (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	2	0	30
Cu (Copper)	7440508	2	0	30
Fe (Iron)	7439896	2	0	30
Zn (Zinc)	7440666	2	0	30

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **10/07/2002**
Date Analyzed: **10/15/2002**
Date Reported: **11/18/2002**

Project No.:
Contact: **Rob Busky**
Phone: **(916)255-3034**

Lab Contact: **Ray Oslowski**
Lab ID No.: **U1974**
Job No.: **851974**
COC Log No.: **22553,4,5**
Batch No.: **M021007A**
Instrument ID: **IP004**
Analyst ID: **ANTHONYG**
Matrix: **WATER**

LAB CONTROL SAMPLE

Analyte	CAS No.	Observed Value (ug/L)	LCS Conc. (ug/L)	LCS Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	2090	2000	105	80	120
Cu (Copper)	7440508	254	250	102	80	120
Fe (Iron)	7439896	1030	1000	103	80	120
Zn (Zinc)	7440666	507	500	101	80	120

LAB CONTROL SAMPLE DUPLICATE

Analyte	CAS No.	Observed Value (ug/L)	LCS Conc. (ug/L)	LCSD Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	2040	2000	102	80	120
Cu (Copper)	7440508	254	250	102	80	120
Fe (Iron)	7439896	1030	1000	103	80	120
Zn (Zinc)	7440666	501	500	100	80	120

LCS RPD

Analyte	CAS No.	LCS Relative Percent Difference (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	3	0	30
Cu (Copper)	7440508	0	0	30
Fe (Iron)	7439896	0	0	30
Zn (Zinc)	7440666	1	0	30

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Sampled: **10/03/2002**
Date Received: **10/04/2002**
Date Extracted: **10/09/2002**
Date Analyzed: **10/10/2002**
Date Reported: **11/18/2002**

Project No.:
Contact: **Rob Busky**
Phone: **(916)255-3034**

Lab Contact: **Ray Oslowski**
Lab ID No.: **U1974**
Job No.: **851974**
COC Log No.: **22553,4,5**
Batch No.: **M021009A**
Instrument ID: **IP004**
Analyst ID: **ANTHONYG**
Matrix: **WATER**

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Dilution (factor)
12B / 18B N. BR WARD @ 25N32Y				
Al (Aluminum)	7429905	ND	20	1.0
Cu (Copper)	7440508	ND	5.0	1.0
Fe (Iron)	7439896	ND	100	1.0
Zn (Zinc)	7440666	ND	5.0	1.0
13B / 16B NYE CK @ 25N32Y				
Al (Aluminum)	7429905	ND	20	1.0
Cu (Copper)	7440508	ND	5.0	1.0
Fe (Iron)	7439896	ND	100	1.0
Zn (Zinc)	7440666	ND	5.0	1.0
14B / 15B MID BR WARD @ 25N32Y				
Al (Aluminum)	7429905	ND	20	1.0
Cu (Copper)	7440508	ND	5.0	1.0
Fe (Iron)	7439896	ND	100	1.0
Zn (Zinc)	7440666	ND	5.0	1.0
15B / 14B S BR WARD @ 25N32Y				
Al (Aluminum)	7429905	ND	20	1.0
Cu (Copper)	7440508	ND	5.0	1.0
Fe (Iron)	7439896	ND	100	1.0
Zn (Zinc)	7440666	ND	5.0	1.0
16B / 10B LGC @ 25N05Y				
Al (Aluminum)	7429905	ND	20	1.0
Cu (Copper)	7440508	ND	5.0	1.0
Fe (Iron)	7439896	ND	100	1.0
Zn (Zinc)	7440666	ND	5.0	1.0

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **10/09/2002**
Date Analyzed: **10/10/2002**
Date Reported: **11/18/2002**

Project No.:
Contact: **Rob Busky**
Phone: **(916)255-3034**

Lab Contact: **Ray Oslowski**
Lab ID No.: **U1974**
Job No.: **851974**
COC Log No.: **22553,4,5**
Batch No.: **M021009A**
Instrument ID: **IP004**
Analyst ID: **ANTHONYG**
Matrix: **WATER**

METHOD BLANK

Analyte	CAS No.	Results (ug/L)	Reporting Limit (ug/L)
Al (Aluminum)	7429905	ND	50
Cu (Copper)	7440508	ND	20
Fe (Iron)	7439896	ND	100
Zn (Zinc)	7440666	ND	20

ND = Not detected at or above indicated Reporting Limit

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Analysis Report: **Metals, EPA Methods 200**

Client: **CRWQCB - Sacramento**
3443 Routier Road
Sacramento, CA 95827

Project: **Walker Mine**

Date Extracted: **10/09/2002**
Date Analyzed: **10/10/2002**
Date Reported: **11/18/2002**

Project No.:
Contact: **Rob Busky**
Phone: **(916)255-3034**

Lab Contact: **Ray Oslowski**
Lab ID No.: **U1974**
Job No.: **851974**
COC Log No.: **22553,4,5**
Batch No.: **M021009A**
Instrument ID: **IP004**
Analyst ID: **ANTHONYG**
Matrix: **WATER**

LAB CONTROL SAMPLE

Analyte	CAS No.	Observed Value (ug/L)	LCS Conc. (ug/L)	LCS Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	1930	2000	97	80	120
Cu (Copper)	7440508	237	250	95	80	120
Fe (Iron)	7439896	951	1000	95	80	120
Zn (Zinc)	7440666	472	500	94	80	120

LAB CONTROL SAMPLE DUPLICATE

Analyte	CAS No.	Observed Value (ug/L)	LCS Conc. (ug/L)	LCSD Recovery (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	1960	2000	98	80	120
Cu (Copper)	7440508	242	250	97	80	120
Fe (Iron)	7439896	992	1000	99	80	120
Zn (Zinc)	7440666	474	500	95	80	120

LCS RPD

Analyte	CAS No.	LCS Relative Percent Difference (percent)	Lower Spec (Limit)	Upper Spec (Limit)
Al (Aluminum)	7429905	1	0	30
Cu (Copper)	7440508	2	0	30
Fe (Iron)	7439896	4	0	30
Zn (Zinc)	7440666	1	0	30

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.: U1974

5°

LOG NO. 22553

REPORT TO:	CLIENT JOB NUMBER	PRESERVATIVES	ANALYSIS REQUESTED	FIELD CONDITIONS:
NAME AND ADDRESS RWQCB - 5AC 3443 Routier Rd ste A Sacramento CA	DESTINATION LABORATORY ☐ CLS (916) 638-7301 3249 FITZGERALD RD. RANCHO CORDOVA, CA. 95742 ☐ OTHER	HNO3	Biol Grp 7 Diss metals see instruction Total Cu Zn Fe Al Total As Dissolved Arsenic	COMPOSITE:
PROJECT MANAGER: Bob Busby PHONE# PROJECT NAME: Walker Mine SAMPLED BY: JOB DESCRIPTION: Walker Mine SITE LOCATION:				

TURN AROUND TIME				SPECIAL INSTRUCTIONS
1 DAY	2 DAY	5 DAY	10 DAY	
				Please use following detection limits Cu 0.001-0.005 mg/L Zn 0.002 mg/L Fe 0.050 mg/L Al 0.020 mg/L As 0.005 mg/L For All
				INVOICE TO:
				P.O. #
				QUOTE #

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Biol Grp 7 Diss metals see instruction	Total Cu Zn Fe Al	Total As	Dissolved Arsenic
10/2/02	1755	1A Portal	Water	1	P		X	X		X
	1755	1B "				X		X	X	
	1800	2A Dolly Ck Upstream					X	X		
	1800	2B Dolly Ck Upstream				X		X		
	1815	19A Settling Pond					X	X		
	1815	19B "				X		X		
	1817	3A DC Downstream					X	X		
	1817	3B DC Downstream				X		X		
	1831	4A DC @ Culvert					X	X		
	1831	4B DC @ Culvert				X		X		
10/3/02	0811	5A LGC Upstream					X	X		
	0811	5B LGC Upstream				X		X		

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert B Busby	Robert B Busby / RWQCB	10/3/02 1730	Mary Hay	CVRWQCB
Mary Hay	CVRWQCB	10/4/02 11:00		CONFIRMED DV/CT
		10/4/02 1625		

REC'D AT LAB BY: DATE / TIME: CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☒ OTHER AIR BILL #

LAB

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; U1974

5° page 2 of 3

LOG NO. 22554

REPORT TO:

NAME AND ADDRESS
RWQCB - Sac
3443 Routier Rd Ste A
Sacramento

PROJECT MANAGER: Rob Busby PHONE#:

PROJECT NAME: Walker Mine

SAMPLED BY:

JOB DESCRIPTION: Walker Mine

SITE LOCATION:

CLIENT JOB NUMBER:

DESTINATION LABORATORY

☐ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ OTHER

PRESERVATIVES

ANALYSIS REQUESTED

Bid Grp. 2 Diss Metals Gen Minerals
Total Cu, Zn, Fe, Al

FIELD CONDITIONS:

COMPOSITE:

TURN AROUND TIME

1 DAY | 2 DAY | 5 DAY | 10 DAY

SPECIAL INSTRUCTIONS

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Bid Grp. 2 Diss Metals Gen Minerals	Total Cu, Zn, Fe, Al	SPECIAL INSTRUCTIONS
10/3/02	0836	9A LGC @ Brown Cabin	Water	1	P		X		see note
	0836	9B LGC @ Brown Cabin				HNO_3		X	on pg 1 of 3
	0907	8A LGC Below DC					X		
	0907	8B LGC below DC				HNO_3		X	
	0848	6A USFS Dam					X		
	0848	6B "				HNO_3		X	
	0900	7A LGC above DC					X		
	0900	7B LGC above DC				HNO_3		X	
	0947	17A No. Br. Ward Ck @ 25N32Y					X		INVOICE TO:
	0947	17B No Br. Ward Ck				HNO_3		X	
	1023	18A N. Br. Ward @ 25N32Y					X		
	1023	18B N. Br. Ward @ 25N32Y				HNO_3		X	P.O. #
									QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert Busby	Robert Busby/RWQCB	10/3/02 1730	May Hoe	May Hoe CVRWQCB
May Hoe	CVRWQCB	10/04/02 11:00		
		10/4/02 1625		

REC'D AT LAB BY:

DATE / TIME: 100402 1625

CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER _____ AIR BILL #

LAB

5°

page 3 of 3

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; U1974

LOG NO. 22555

REPORT TO:

NAME AND ADDRESS: RWQCB - Sac
3443 Routier Rd. Ste. A
Sacramento

PROJECT MANAGER: Rob Busby
PHONE#:

PROJECT NAME: Walker Mine

SAMPLED BY:

JOB DESCRIPTION: Walker Mine

SITE LOCATION:

CLIENT JOB NUMBER:

DESTINATION LABORATORY:

☐ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ OTHER

FIELD CONDITIONS:

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES HNO3	ANALYSIS REQUESTED: Diss Metals Bid Grp. & Gen Minerals	Total Cu, Zn, Fe, Al	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS
10/3/02	1040	16A Nye Ck @ 25N32Y	Water	1	P		X						See note on
	1040	16B Nye Ck @ 25N32Y				X		X					page 1 of 3
	1051	15A Mid. Br. Ward @ 25N32Y					X						
	1051	15B Mid. Br Ward @ 25N32Y				X		X					
	1100	14A S. Br. Ward @ 25N32Y					X						
	1100	14B S. Br. Ward @ 25N32Y				X		X					
	1145	10A LGC @ 25N05Y					X						
	1145	10B LGC @ 25N05Y				X		X					

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert Busby / RWQCB	Robert Busby / RWQCB	10/3/02 1730	May Hoe	CVRWQCB
May Hoe	CVRWQCB	10/04/02 11:00	[signature]	[illegible]
[signature]	CLS	10/4/02 1625		

REC'D AT LAB BY: [signature]

DATE / TIME: 100402 1675

CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☒ OTHER CLS

AIR BILL #

LAB

RDB

THE TWINING LABORATORIES, INC.
EST. 1898
ANALYTICAL CHEMISTRY • ENVIRONMENTAL SERVICES
GEOTECHNICAL SERVICES • SAMPLING SERVICES
CONSTRUCTION INSPECTION & MATERIALS TESTING

ANALYTICAL CHEMISTRY DIVISION
PROJECT COVER SHEET

REPORT DATE : July 3, 2003
LABORATORY ID : 703-2938.1-4

INVOICE # 70302938

ATTENTION : Mr. Rob Busby
CLIENT RWQCB
3443 Routier Rd., Ste. A
Sacramento, CA 95827

Please find enclosed the analytical results of your samples. In accordance with your instructions, the samples were analyzed for the components specified.

The Twining Laboratories is accredited by the State of California Department of Health Services for the analysis of Drinking Water, Wastewater and Hazardous Waste under Certificate No. 1371.

Please feel free to contact us if you have any questions or comments regarding the analyses or results. Thank you for allowing us to serve your analytical needs.

elw

Ronald J. Boquist
Director of Analytical Chemistry

Rev. 4 06/03 jau (COVER)

RECEIVED
SACRAMENTO
CVRWQCB
03 JUL 11 PM 12:2[illegible]

CORPORATE
2527 Fresno Street
Fresno, CA 93721-1804
(559) 268-7021
Fax 268-0740

MODESTO
5253 Jerusalem Court, Suite E
Modesto, CA 95356-9322
(209) 342-2061
Fax 579-1480

VISALIA
130 North Kelsey Street, #H6
Visalia, CA 93291-9000
(559) 651-8280
Fax 651-8288

BAKERSFIELD
3651 Pegasus Drive, #117
Bakersfield, CA 93308-6843
(661) 393-5088
Fax 393-4643

MONTEREY
501 Ortiz Avenue
Sand City, CA 93955-3553
(831) 392-1056
Fax 268-7126

SACRAMENTO
5675 Power Inn Road, Suite C
Sacramento, CA 95824-2313
(916) 381-9477
Fax 381-9478

REPORT DATE : July 3, 2003
LABORATORY ID : 703-2938.1

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/11/03 by Client
DATE RECEIVED : 06/12/03 at 1400 from Eddie Walters

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/12/03 through 06/18/03
DATE ANALYZED : 06/12/03 through 06/20/03

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : WM-1 – Portal

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	9.4	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	43	mg/L	2	200.7
Iron (Fe)	120	ug/L	100	200.7
Magnesium (Mg)	4.7	mg/L	0.1	200.7
Manganese (Mn)	ND	ug/L	20	200.7
Potassium (K)	ND	mg/L	1	200.7
Sodium (Na)	2.3	mg/L	1	200.7
Chloride (Cl)	ND	mg/L	2.	300.0
Sulfate (SO_4)	ND	mg/L	2	300.0
Alkalinity (as $CaCO_3$)	44	mg/L	1	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1	SM2320B
Bicarbonate (as $CaCO_3$)	54	mg/L	1	SM2320B
TDS	60	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances
SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable
SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 3, 2003
LABORATORY ID : 703-2938.2

DATE SAMPLED : 06/11/03 by Client
DATE RECEIVED : 06/12/03 at 1400 from Eddie Walters

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/12/03 through 06/18/03
DATE ANALYZED : 06/12/03 through 06/20/03

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : WM-2

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	13	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	50	mg/L	2	200.7
Iron (Fe)	ND	ug/L	100	200.7
Magnesium (Mg)	4.2	mg/L	0.1	200.7
Manganese (Mn)	190	ug/L	20	200.7
Potassium (K)	1.2	mg/L	1	200.7
Sodium (Na)	3.1	mg/L	1	200.7
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	30	mg/L	2	300.0
Alkalinity (as $CaCO_3$)	25	mg/L	1	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1	SM2320B
Bicarbonate (as $CaCO_3$)	31	mg/L	1	SM2320B
TDS	88	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 3, 2003
LABORATORY ID : 703-2938.3

DATE SAMPLED : 06/11/03 by Client
DATE RECEIVED : 06/12/03 at 1400 from Eddie Walters

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/12/03 through 06/18/03
DATE ANALYZED : 06/12/03 through 06/20/03

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : WM-3

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	13	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	50	mg/L	2	200.7
Iron (Fe)	ND	ug/L	100	200.7
Magnesium (Mg)	4.3	mg/L	0.1	200.7
Manganese (Mn)	99	ug/L	20	200.7
Potassium (K)	ND	mg/L	1	200.7
Sodium (Na)	4.3	mg/L	1	200.7
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	20	mg/L	2	300.0
Alkalinity (as $CaCO_3$)	38	mg/L	1	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1	SM2320B
Bicarbonate (as $CaCO_3$)	46	mg/L	1	SM2320B
TDS	91	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 3, 2003
LABORATORY ID : 703-2938.4

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/11/03 by Client
DATE RECEIVED : 06/12/03 at 1400 from Eddie Walters

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/12/03 through 06/18/03
DATE ANALYZED : 06/12/03 through 06/20/03

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : WM-4

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	13	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	52	mg/L	2	200.7
Iron (Fe)	1300	ug/L	100	200.7
Magnesium (Mg)	4.8	mg/L	0.1	200.7
Manganese (Mn)	27	ug/L	20	200.7
Potassium (K)	1.0	mg/L	1	200.7
Sodium (Na)	4.6	mg/L	1	200.7
Chloride (Cl)	ND	mg/L	2	300.0
Sulfate (SO_4)	2.0	mg/L	2	300.0
Alkalinity (as $CaCO_3$)	55	mg/L	1	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1	SM2320B
Bicarbonate (as $CaCO_3$)	67	mg/L	1	SM2320B
TDS	83	mg/L	10	SM2540

mg/L : milligrams per Liter (parts per million) SM: Standard Methods, 18th Edition SI: Saturation Index
ug/L : micrograms per Liter (parts per billion) ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C DLR: Detection Limit for Reporting purposes
MBAS : Methylene Blue Active Substances N/A: Not Applicable
REV. 6 2/97 (DOC\NOR\GENMIN)

REPORT DATE : July 3, 2003
LABORATORY ID : 703-2938.1

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/11/03 by Client
DATE RECEIVED : 06/12/03 at 1400 from Eddie Walters

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 06/17/03 through 06/25/03
DATE ANALYZED : 06/17/03 through 06/25/03

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : MW-1 Portal

DISSOLVED METALS	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.024	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu) 16 ug/L	0.016	mg/L	0.005	200.7
Molybdenum (Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0052	mg/L	0.002	200.7
Lead (Pb)	ND	mg/L	0.005	200.9
Thallium (Tl)	ND	mg/L	0.001	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Arsenic (As)	ND	mg/L	0.005	200.9
Selenium (Se)	ND	mg/L	0.002	7742

mg/L: Milligrams per liter (ppm) ND: None Detected. DLR: Detection Limit for Reporting purposes ug/L: Micrograms per liter (ppb)

REPORT DATE : July 3, 2003
LABORATORY ID : 703-2938.2

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/11/03 by Client
DATE RECEIVED : 06/12/03 at 1400 from Eddie Walters

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 06/17/03 through 06/25/03
DATE ANALYZED : 06/17/03 through 06/25/03

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : MW-2

DISSOLVED METALS	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.070	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	0.0066	mg/L	0.002	200.7
Copper (Cu) 1400 mg/L	1.4	mg/L	0.005	200.7
Molybdenum (Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.12	mg/L	0.002	200.7
Lead (Pb)	ND	mg/L	0.005	200.9
Thallium (Tl)	ND	mg/L	0.001	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Arsenic (As)	ND	mg/L	0.005	200.9
Selenium (Se)	ND	mg/L	0.002	7742

mg/L: Milligrams per liter (ppm) ND: None Detected. DLR: Detection Limit for Reporting purposes ug/L: Micrograms per liter (ppb)

REPORT DATE : July 3, 2003
LABORATORY ID : 703-2938.3

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/11/03 by Client
DATE RECEIVED : 06/12/03 at 1400 from Eddie Walters

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 06/17/03 through 06/25/03
DATE ANALYZED : 06/17/03 through 06/25/03

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : MW-3

DISSOLVED METALS	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.11	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	0.0033	mg/L	0.002	200.7
Copper (Cu)	0.71	mg/L	0.005	200.7
Molybdenum (Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.098	mg/L	0.002	200.7
Lead (Pb)	ND	mg/L	0.005	200.9
Thallium (Tl)	ND	mg/L	0.001	200.9
Mercury (Hg)	0.0024	mg/L	0.0002	245.1
Arsenic (As)	ND	mg/L	0.005	200.9
Selenium (Se)	ND	mg/L	0.002	7742

710 ug/L

mg/L: Milligrams per liter (ppm) ND: None Detected. DLR: Detection Limit for Reporting purposes ug/L: Micrograms per liter (ppb)

REPORT DATE : July 3, 2003
LABORATORY ID : 703-2938.4

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/11/03 by Client
DATE RECEIVED : 06/12/03 at 1400 from Eddie Walters

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 06/17/03 through 06/25/03
DATE ANALYZED : 06/17/03 through 06/25/03

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : MW-4

DISSOLVED METALS	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.081	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu) 100 mg/L	0.10	mg/L	0.005	200.7
Molybdenum (Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.21	mg/L	0.002	200.7
Lead (Pb)	ND	mg/L	0.005	200.9
Thallium (Tl)	ND	mg/L	0.001	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Arsenic (As)	ND	mg/L	0.005	200.9
Selenium (Se)	ND	mg/L	0.002	7742

mg/L: Milligrams per liter (ppm) ND: None Detected. DLR: Detection Limit for Reporting purposes ug/L: Micrograms per liter (ppb)

REPORT DATE : July 3, 2003
LABORATORY ID : 703-2938.1

DATE SAMPLED : 06/11/03 by Client
DATE RECEIVED : 06/12/03 at 1400 from Eddie Walters

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 06/17/03 through 06/25/03
DATE ANALYZED : 06/17/03 through 06/25/03

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : MW-1 -Portal

CONSTITUENTS	RESULT	UNITS	DLR	METHOD
Copper (Cu), Total	20	ug/L	5.0	200.7
Zinc (Zn), Total	6.6	ug/L	5.0	200.7
Aluminum (Al), Total	63	ug/L	20	200.7
Arsenic (As), Total	ND	ug/L	5.0	200.9
Iron (Fe), Total	120	ug/L	50	200.7

mg/L: Milligrams per liter (ppm) ND: None Detected. DLR: Detection Limit for Reporting purposes ug/L: Micrograms per liter (ppb)

REPORT DATE : July 3, 2003
LABORATORY ID : 703-2938.2

DATE SAMPLED : 06/11/03 by Client
DATE RECEIVED : 06/12/03 at 1400 from Eddie Walters

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 06/17/03 through 06/25/03
DATE ANALYZED : 06/17/03 through 06/25/03

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : MW-2

CONSTITUENT	RESULT	UNITS	DLR	METHOD
Copper (Cu), Total	1700	ug/L	5.0	200.7
Zinc (Zn), Total	120	ug/L	5.0	200.7
Aluminum (Al), Total	36	ug/L	20	200.7
Arsenic (As), Total	ND	ug/L	5.0	200.9
Iron (Fe), Total	ND	ug/L	50	200.7

mg/L: Milligrams per liter (ppm) ND: None Detected. DLR: Detection Limit for Reporting purposes ug/L: Micrograms per liter (ppb)

REPORT DATE : July 3, 2003
LABORATORY ID : 703-2938.3

DATE SAMPLED : 06/11/03 by Client
DATE RECEIVED : 06/12/03 at 1400 from Eddie Walters

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 06/17/03 through 06/25/03
DATE ANALYZED : 06/17/03 through 06/25/03

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : MW-3

CONSTITUENT	RESULT	UNITS	DLR	METHOD
Copper (Cu), Total	800	ug/L	5.0	200.7
Zinc (Zn), Total	100	ug/L	5.0	200.7
Aluminum (Al), Total	20	ug/L	20	200.7
Arsenic (As), Total	6.0	ug/L	5.0	200.9
Iron (Fe), Total	ND	ug/L	50	200.7

mg/L: Milligrams per liter (ppm) ND: None Detected. DLR: Detection Limit for Reporting purposes ug/L: Micrograms per liter (ppb)

REPORT DATE : July 3, 2003
LABORATORY ID : 703-2938.4

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/11/03 by Client
DATE RECEIVED : 06/12/03 at 1400 from Eddie Walters

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 06/17/03 through 06/25/03
DATE ANALYZED : 06/17/03 through 06/25/03

SAMPLE TYPE: Aqueous

CLIENT SAMPLE ID : MW-4

CONSTITUENT	RESULT	UNITS	DLR	METHOD
Copper (Cu), Total	520	ug/L	5.0	200.7
Zinc (Zn), Total	250	ug/L	5.0	200.7
Aluminum (Al), Total	300	ug/L	20	200.7
Arsenic (As), Total	54	ug/L	25	200.9
Iron (Fe), Total	1300	ug/L	50	200.7

mg/L: Milligrams per liter (ppm) ND: None Detected. DLR: Detection Limit for Reporting purposes ug/L: Micrograms per liter (ppb)

LABORATORY CONTROL SAMPLE
QUALITY CONTROL REPORT

Analyzed By: G. Barrett, S. Stasikonis

Reviewed By: J. Ureno

Twining Laboratories, Inc. Examination Number: 70302938

Constituent	MB Result	Spike Level	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec.	RPD
Sb	< 0.005	0.1	0.105	0.105	105	105	0
Ba	< 0.01	0.02	0.216	0.216	108	108	0
Be	< 0.001	0.02	0.0213	0.0213	106	106	0
Cd	< 0.001	0.1	0.0219	0.0219	110	110	0
Cr	< 0.005	0.1	0.108	0.108	108	108	0
Co	< 0.002	0.1	0.108	0.108	108	108	0
Cu	< 0.005	0.1	0.111	0.111	111	111	0
Mo	< 0.005	0.1	0.106	0.106	106	106	0
Ni	< 0.005	0.1	0.108	0.108	108	108	0
V	< 0.02	0.2	0.208	0.208	104	104	0
Zn	< 0.005	0.1	0.110	0.110	110	110	0
As	< 0.005	0.002	0.00225	0.00228	113	114	1.3
Pb	< 0.005	0.01	0.00979	0.0105	97.9	105	6.9
Hg	< 0.0002	0.005	0.00546	0.0053	109	106	2.1
Se	< 0.002	0.01	0.0106	0.011	106	110	3.7
Tl	< 0.001	0.01	0.0101	0.0103	101	103	2.0
Al	< 0.02	2.0	2.09	2.09	104	104	0

EXPLANATIONS:

All concentrations in mg/L: Milligrams per Liter (ppm)

Method Blank: The method blank is used to determine if method analytes or other interferences are present in the laboratory environment, the reagents or apparatus.

Laboratory Control Sample: A laboratory control sample is generated by spiking the analyte into a relatively inert matrix (clean sand or blank water). The laboratory control sample is analyzed exactly like a sample, and its purpose is to determine whether the methodology is in control and whether the laboratory is capable of making accurate and precise measurements.

LABORATORY CONTROL SAMPLE
QUALITY CONTROL REPORT

Analyzed By: J. Tangye, G. Barrett, N. Tyler

Reviewed By: J. Ureno

Twining Laboratories, Inc. Examination Number: 70302938

Constituent	MB Result	Units	Spike Level	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec.	RPD
Boron (B)	< 0.05	mg/L	1.0	1.07	1.07	107	107	0
Calcium (Ca)	< 0.5	mg/L	2.0	2.16	2.16	108	108	0
Iron (Fe)	< 100	ug/L	2000	2190	2180	110	109	0.46
Magnesium (Mg)	< 0.1	mg/L	2.0	2.17	2.16	108	108	0.46
Manganese (Mn)	< 20	ug/L	100	109	109	109	109	0
Potassium (K)	< 1.0	mg/L	4.0	4.36	4.32	109	108	0.92
Sodium (Na)	< 1.0	mg/L	2.0	2.10	2.08	105	104	0.96
Chloride (Cl)	ND	mg/L	25	23.4	23.6	93.7	94.3	0.7
Sulfate (SO_4)	ND	mg/L	25	23.8	23.9	95.2	95.4	0.2
Alkalinity (as $CaCO_3$)	ND	mg/L	169	169	168	100.0	99.4	0.6
TDS	ND	mg/L	293	281	281	95.9	95.9	0

EXPLANATIONS:

ug/L: Micrograms per Liter (ppb)
mg/L: Milligrams per Liter (ppm)

Method Blank: The method blank is used to determine if method analytes or other interferences are present in the laboratory environment, the reagents or apparatus.

Laboratory Control Sample: A laboratory control sample is generated by spiking the analyte into a relatively inert matrix (clean sand or blank water). The laboratory control sample is analyzed exactly like a sample, and its purpose is to determine whether the methodology is in control and whether the laboratory is capable of making accurate and precise measurements.

California Regional Water Quality Control Board
DUMMY INVOICE

Date: July 3, 2002
Received: 06/20/03
Twining Lab#: 70303099
Contract No.: 0-029-150-0

Attn: Jeanne Chilcott
3443 Routier Rd., Ste. A
Sacramento, CA 95827

Twining Laboratories, Inc.
P. O. Box 1472
Fresno, CA 93716

DESCRIPTION	PRICE	QUANTITY	EXTENDED PRICE
Full Minerals	$ 62.00	4	$ 248.00
Antimony	$ 5.40	4	$ 21.60
Barium	$ 5.40	4	$ 21.60
Beryllium	$ 5.40	4	$ 21.60
Cadmium	$ 5.40	4	$ 21.60
Chromium	$ 5.40	4	$ 21.60
Cobalt	$ 5.40	4	$ 21.60
Copper	$ 5.40	4	$ 21.60
Molybdenum	$ 5.40	4	$ 21.60
Nickel	$ 5.40	4	$ 21.60
Vanadium	$ 5.40	4	$ 21.60
Znc	$ 5.40	4	$ 21.60
Lead	$ 5.40	4	$ 21.60
Thallium	$ 5.40	4	$ 21.60
Mercury	$ 10.20	4	$ 40.80
Arsenic	$ 5.40	4	$ 21.60
Selenium	$ 5.40	4	$ 21.60
Copper (Total)	$ 5.40	4	$ 21.60
Zinc (Total)	$ 5.40	4	$ 21.60
Iron (Total)	$ 5.40	4	$ 21.60
Aluminum (Total)	$ 5.40	4	$ 21.60
Arsenic (Total)	$ 5.40	4	$ 21.60
			$ 720.80

(F:\CHEM\Forms\DUMINV-SAC 2002.doc)

MESSAGE CONFIRMATION

JUL-09-2003 08:49AM WED

FAX NUMBER:
NAME :

NAME/NUMBER : 4455910
PAGE : 019
START TIME : JUL-09-2003 08:45AM WED
ELAPSED TIME : 04'01"
MODE : G3 STD ECM
RESULTS : [O.K]

Twining Laboratories, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
FAX: (559) 268-0740

Facsimile Transmittal

To: Anthony Soto Fax: 445-5910

From: ANDY SERUNTINE Date: 7-9-03

Re: 70302938 Pages: 19

CC:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

If you have any questions, Please feel free to call

559-268-7021 Ext. 212. Thank you.

COMMENTS:

Please let me know what you want me to do with this

*see note - 6/11/03

THE TWINING LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC # 70302938.1

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION:		
REPORT TO: RWQCB - Sac	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: 3443 Routier Rd Suite A	ADDRESS:	ADDRESS:
CVRWQCB 3443 ROUTIER RD., STE. A SACRAMENTO, CA 95827		
ATTENTION:	ATTENTION:	ATTENTION:
PH ( ) (916) 255-3088	PH ( )	PH ( )
FAX ( ) FAX 255-3015 and 916-255-3136	FAX ( )	FAX ( )
Attention: Rob Busby	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE	SAMPLE STATUS
☐ PUBLIC SYSTEM	☐ ROUTINE
☐ PRIVATE WELL	☐ REPEAT
☐ SURFACE WATER	☐ OTHER
☐ CONSTRUCTION ☐ OTHER	

REPORTS FOR:

COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE

☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER: _____

SAMPLE INFORMATION:

SAMPLE BY (PRINT NAME):

SIGNATURE:

☒ ROUTINE ANALYSIS

☐ RUSH ANALYSIS, RESULTS NEEDED BY:

PROJECT:

SITE: _____

PROJECT #: _____

PROJECT MANAGER: _____

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE

BS - Biosolids
DW - Drinking Water
GW - Ground Water
SF - Surface Water
SL - Soil/Solid
ST - Storm Water
WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	Bid Group 7	Dissolved Metals, Gen Minerals	Total Cu, Zn, Fe, Al	Total Arsenic	Dissolved Arsenic	(LAB USE - BOTTLES)
1	WM-1 - Portal	6/10/03		P	X			X		5 Cu HNO3 ME
1	WM-1 - Portal					X	X		X	Cu HNO3 preserv ME
2	WM-2				X			X		
2	WM-2					X	X		X	Cu HNO3 preserv ME
3	WM-3				X			X		
3	WM-3					X	X		X	Cu HNO3 preserv ME
4	WM-4				X			X		
4	WM-4					X	X		X	Cu HNO3 preserv ME

Samples filtered 0.45 micron + pres w/ HNO3 in lab JHB 6/12

COMMENTS: Please use the following detection limits: Additional Comments attached

Cu 0.001 - 0.005 mg/L ; Zn 0.002 mg/L ; Fe 0.050 mg/L ; Al 0.020 mg/L

As 0.005 mg/L . WM-2 & WM-3 will have Cu concentrations ≥ 1.0 mg/L

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Robert D Busby	RWQCB	6/11/03	19:30		
Robert D Busby	RWQCB	6/12/03	900		TL
	TL	6/12	1400		

THE TWINING LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC #

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION:		
REPORT TO: RWQCB - Sac	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: 3443 Routier Rd Suite A	ADDRESS:	ADDRESS:
CVRWQCB 3443 ROUTIER RD., STE. A SACRAMENTO, CA 95827		
ATTENTION: (916) ~~255-3083~~	ATTENTION:	ATTENTION:
PH ( ) ~~FAX 255-3015~~	PH ( )	PH ( )
FAX ( ) and 916 255-3136	FAX ( )	FAX ( )
Attention: Rob Busby	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE	SAMPLE STATUS:
☐ PUBLIC SYSTEM	☐ ROUTINE
☐ PRIVATE WELL	☐ REPEAT
☐ SURFACE WATER	☐ OTHER
☐ CONSTRUCTION ☐ OTHER	

REPORTS FOR:

COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE

☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER: _____

SAMPLE INFORMATION:

SAMPLE BY (PRINT NAME):

SIGNATURE:

☑ ROUTINE ANALYSIS

☐ RUSH ANALYSIS, RESULTS NEEDED BY:

PROJECT:

SITE: _____

PROJECT #: _____

PROJECT MANAGER: _____

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE

BS - Biosolids
DW - Drinking Water
GW - Ground Water
SF - Surface Water
SL - Soil/Solid
ST - Storm Water
WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	Bid Group 7 Dissolved Metals/Inorganics	Total Cu, Zn, Fe, Al	Total Arsenic	Dissolved Arsenic						(LAB USE - BOTTLES)
	WM-1	6/11/03		P	X			X						
	WM-1	"		"		X	X			HNO_3 preser				
	WM-2				X			X						
	WM-2					X	X			HNO_3 preserv				
	WM-3				X			X						
	WM-3					X	X			HNO_3 pre-sv				
	WM-4				X			X						
	WM-4					X	X			HNO_3 preserv				

COMMENTS: Please use the following detection limits:

Cu 0.001 - 0.005 mg/L ; Zn 0.002 mg/L ; Fe 0.050 mg/L ; Al 0.020 mg/L

As 0.005 mg/L

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
[signature]	RWQCB	6/11/03	19:30		
[signature]	RWQCB	6/12/03	900	[signature]	TL

THE TWINING LABORATORIES, INC.
EST. 1898
ANALYTICAL CHEMISTRY • ENVIRONMENTAL SERVICES
GEOTECHNICAL SERVICES • SAMPLING SERVICES
CONSTRUCTION INSPECTION & MATERIALS TESTING

Spring 03

ANALYTICAL CHEMISTRY DIVISION
PROJECT COVER SHEET

6/27/03

REPORT DATE : July 21, 2003 INVOICE # 70303267
LABORATORY ID : 703-3267.1-19

ATTENTION : ~~Ms. Jeanne Chilcott~~ Rob Busby
CLIENT RWQCB
3443 Routier Rd., Ste. A
Sacramento, CA 95827

Please find enclosed the analytical results of your samples. In accordance with your instructions, the samples were analyzed for the components specified.

The Twining Laboratories is accredited by the State of California Department of Health Services for the analysis of Drinking Water, Wastewater and Hazardous Waste under Certificate No. 1371.

Please feel free to contact us if you have any questions or comments regarding the analyses or results. Thank you for allowing us to serve your analytical needs.

elw/ars

Ronald J. Boquist
Director of Analytical Chemistry

Rev. 4 06/03 jau (COVER)

CORPORATE
2527 Fresno Street
Fresno, CA 93721-1804
(559) 268-7021
Fax 268-0740

MODESTO
5253 Jerusalem Court, Suite E
Modesto, CA 95356-9322
(209) 342-2061
Fax 579-1480

VISALIA
130 North Kelsey Street, #H6
Visalia, CA 93291-9000
(559) 651-8280
Fax 651-8288

BAKERSFIELD
3651 Pegasus Drive, #117
Bakersfield, CA 93308-6843
(661) 393-5088
Fax 393-4643

MONTEREY
501 Ortiz Avenue
Sand City, CA 93955-3553
(831) 392-1056
Fax 268-7126

SACRAMENTO
5675 Power Inn Road, Suite C
Sacramento, CA 95824-2313
(916) 381-9477
Fax 381-9478

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.1

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/03 at 0818 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 5A LGC upstream

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.014	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0035	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.2

DATE SAMPLED : 06/27/03 at 0900 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 2A DC upstream

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	ND	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0022	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.3

DATE SAMPLED : 06/27/03 at 0919 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 4A DC @ 48" culvert

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.034	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	0.024	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0060	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

24 Mg/L

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.4

DATE SAMPLED : 06/27/03 at 0940 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 6A USFS Dam

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.19	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	0.0031	mg/L	0.002	200.7
Copper (Cu)	0.39	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.028	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

390 ug/L

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.5

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/03 at 0950 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 7A LGC above DC

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.021	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	ND	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.6

DATE SAMPLED : 06/27/03 at 0956 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 8A LGC below DC

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.19	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	0.0030	mg/L	0.002	200.7
Copper (Cu)	0.38	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.027	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

380 µg/L

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.7

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/03 at 1008 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 9A LGC @ Browns Cabin

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.061	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	0.087	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0074	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

87 ug/L

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.8

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/03 at 1304 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 10A LGC @25N 05Y

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.063	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	ND	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.9

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/03 at 1032 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 11A S. Br. Ward ck 25N42

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.039	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	ND	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.10

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/03 at 1042 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 12A Mid Br Ward ck 25N42

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.050	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	0.0057	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0037	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

5.7 ug/L

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.11

DATE SAMPLED : 06/27/03 at 1052 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 13A Nye ck 25N42

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	ND	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0037	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.12

DATE SAMPLED : 06/27/03 at 1220 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 14A S Br Ward ck 25N32Y

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.072	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	ND	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.13

DATE SAMPLED : 06/27/03 at 1211 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 15A Mid Br Ward 25N32Y

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.022	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	ND	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.14

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/03 at 1200 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 16A Nye ck 25N32Y

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	ND	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	ND	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.15

DATE SAMPLED : 06/27/03 at 1104 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 17A N Br Ward 25N42Y

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.013	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	ND	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.16

DATE SAMPLED : 06/27/03 at 1138 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 18A N Br Ward 25N32Y

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.015	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	ND	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	ND	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.17

DATE SAMPLED : 06/27/03 at 1347 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 20A LGC @ Far West

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.069	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	0.022	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0028	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.002	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

22 ug/L

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.18

DATE SAMPLED : 06/27/03 at 0848 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 1A Portal

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.083	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	0.12	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.17	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.004	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

Rev. 8/98

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.19

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/03 at 0915 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett, S. Yates, S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/03/03 through 07/18/03
DATE ANALYZED : 07/03/03 through 07/18/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 3A DC Downstream

Bid Group 7 - Dissolved	RESULT	UNITS	DLR	METHOD
Antimony (Sb)	ND	mg/L	0.005	200.7
Barium (Ba)	0.030	mg/L	0.01	200.7
Beryllium (Be)	ND	mg/L	0.001	200.7
Cadmium (Cd)	ND	mg/L	0.001	200.7
Chromium (Cr)	ND	mg/L	0.005	200.7
Cobalt (Co)	ND	mg/L	0.002	200.7
Copper (Cu)	0.023	mg/L	0.005	200.7
Molybdenum(Mo)	ND	mg/L	0.005	200.7
Nickel (Ni)	ND	mg/L	0.005	200.7
Vanadium (V)	ND	mg/L	0.01	200.7
Zinc (Zn)	0.0063	mg/L	0.002	200.7
Arsenic (As)	ND	mg/L	0.005	SM3114C
Lead (Pb)	ND	mg/L	0.005	200.9
Mercury (Hg)	ND	mg/L	0.0002	245.1
Selenium (Se)	ND	mg/L	0.004	SM3114C
Thallium (Tl)	ND	mg/L	0.001	200.9

23 µg/L

ND: None Detected. DLR: Detection Limit for Reporting purposes mg/L: Milligrams per liter (ppm)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.1

DATE SAMPLED : 06/27/03 at 0818 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 5A LGC Upstream

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	8.4	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	33	mg/L	2.0	200.7
Iron (Fe)	250	ug/L	100	200.7
Magnesium (Mg)	3.0	mg/L	0.1	200.7
Manganese (Mn)	27	ug/L	20	200.7
Potassium (K)	ND	mg/L	1.0	200.7
Sodium (Na)	3.2	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	ND	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	78	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	95	mg/L	1.0	SM2320B
TDS	65	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.42
HCO	1.6	Mg	0.25
Cl	0	Na	0.14
SO_4	0	K	0
	1.6		0.81

% DIFF = 32%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.2

DATE SAMPLED : 06/27/03 at 0900 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 2A DC Upstream

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	14	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	65	mg/L	2.0	200.7
Iron (Fe)	ND	ug/L	100	200.7
Magnesium (Mg)	7.1	mg/L	0.1	200.7
Manganese (Mn)	ND	ug/L	20	200.7
Potassium (K)	ND	mg/L	1.0	200.7
Sodium (Na)	2.8	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	ND	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	65	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	79	mg/L	1.0	SM2320B
TDS	87	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.70
HCO	1.3	Mg	0.58
Cl	0	Na	0.17
SO_4	0	K	0
	1.3		1.4

% DIFF = 4.1%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.3

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/03 at 0919 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 4A DC @ 48" Culvert

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	12	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	53	mg/L	2.0	200.7
Iron (Fe)	240	ug/L	100	200.7
Magnesium (Mg)	5.7	mg/L	0.1	200.7
Manganese (Mn)	36	ug/L	20	200.7
Potassium (K)	ND	mg/L	1.0	200.7
Sodium (Na)	2.7	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	3.0	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	50	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	61	mg/L	1	SM2320B
TDS	79	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.60
HCO	1.0	Mg	0.47
Cl	0	Na	0.12
SO_4	0.06	K	0
	1.1		1.2

% DIFF = 5.5%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.4

DATE SAMPLED : 06/27/03 at 0940 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 6A USFS Dam

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	13	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	56	mg/L	2.0	200.7
Iron (Fe)	720	ug/L	100	200.7
Magnesium (Mg)	5.5	mg/L	0.1	200.7
Manganese (Mn)	130	ug/L	20	200.7
Potassium (K)	ND	mg/L	1.0	200.7
Sodium (Na)	2.9	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	6.7	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	52	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	63	mg/L	1.0	SM2320B
TDS	91	mg/L	10	SM2540

ION BALANCE			
CO_3	1	Ca	0.65
HCO	1.0	Mg	0.45
Cl	0	Na	0.13
SO_4	0.14	K	0
	1.1		1.2

% DIFF = 2.3%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.5

DATE SAMPLED : 06/27/03 at 0950 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 7A LGC Above DC

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	10	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	39	mg/L	2.0	200.7
Iron (Fe)	390	ug/L	100	200.7
Magnesium (Mg)	3.2	mg/L	0.1	200.7
Manganese (Mn)	49	ug/L	20	200.7
Potassium (K)	1.2	mg/L	1.0	200.7
Sodium (Na)	3.5	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	3.3	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	100	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	120	mg/L	1.0	SM2320B
TDS	73	mg/L	10	SM2540

ION BALANCE

CO_3	0	Ca	0.50
HCO	2.0	Mg	0.26
Cl	0	Na	0.15
SO_4	0.07	K	0.03
	2.1		0.94

% DIFF = 37%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.6

DATE SAMPLED : 06/27/03 at 0956 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 8A LGC Below DC

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	13	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	55	mg/L	2.0	200.7
Iron (Fe)	730	ug/L	100	200.7
Magnesium (Mg)	5.4	mg/L	0.1	200.7
Manganese (Mn)	120	ug/L	20	200.7
Potassium (K)	ND	mg/L	1.0	200.7
Sodium (Na)	2.9	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	6.7	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	52	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	63	mg/L	1.0	SM2320B
TDS	89	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.65
HCO	1.0	Mg	0.44
Cl	0	Na	0.13
SO_4	0.14	K	0
	1.1		1.2

% DIFF = 7.0%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances
SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable
SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.7

DATE SAMPLED : 06/27/03 at 1008 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 9A LGC @ Brown's Cabin

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	11	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	43	mg/L	2.0	200.7
Iron (Fe)	460	ug/L	100	200.7
Magnesium (Mg)	3.7	mg/L	0.1	200.7
Manganese (Mn)	64	ug/L	20	200.7
Potassium (K)	1.1	mg/L	1.0	200.7
Sodium (Na)	3.2	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	3.3	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	44	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	54	mg/L	1.0	SM2320B
TDS	74	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.55
HCO	0.89	Mg	0.30
Cl	0	Na	0.14
SO_4	0.01	K	0.03
	0.96		1.0

% DIFF = 3.4%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.8

DATE SAMPLED : 06/27/03 at 1304 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 10A LGC @ 25N05Y

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	13	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	44	mg/L	2.0	200.7
Iron (Fe)	ND	ug/L	100	200.7
Magnesium (Mg)	2.9	mg/L	0.1	200.7
Manganese (Mn)	ND	ug/L	20	200.7
Potassium (K)	1.1	mg/L	1.0	200.7
Sodium (Na)	3.3	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	3.4	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	44	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	54	mg/L	1.0	SM2320B
TDS	61	mg/L	10	SM2540

ION BALANCE

CO_3	0	Ca	0.65
HCO	0.89	Mg	0.24
Cl	0	Na	0.14
SO_4	0.07	K	0.03
	0.96		1.1

% DIFF = 5.1%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.9

DATE SAMPLED : 06/27/03 at 1032 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 11A S Br Ward ck 25N42

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	3.6	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	14	mg/L	2.0	200.7
Iron (Fe)	ND	ug/L	100	200.7
Magnesium (Mg)	1.2	mg/L	0.1	200.7
Manganese (Mn)	ND	ug/L	20	200.7
Potassium (K)	ND	mg/L	1.0	200.7
Sodium (Na)	2.0	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	ND	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	15	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	20	mg/L	1.0	SM2320B
TDS	27	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.18
HCO	0.33	Mg	0.10
Cl	0	Na	0.09
SO_4	0	K	0
	0.33		0.37

% DIFF = 5.4%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.10

DATE SAMPLED : 06/27/03 at 1042 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 12A Mid Br Ward ck 25N42

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	3.5	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	16	mg/L	2.0	200.7
Iron (Fe)	ND	ug/L	100	200.7
Magnesium (Mg)	1.7	mg/L	0.1	200.7
Manganese (Mn)	ND	ug/L	20	200.7
Potassium (K)	ND	mg/L	1.0	200.7
Sodium (Na)	1.3	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	ND	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	13	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	16	mg/L	1.0	SM2320B
TDS	22	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.17
HCO	0.26	Mg	0.14
Cl	0	Na	0.06
SO_4	0	K	0
	0.26		0.37

% DIFF = 17%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.11

DATE SAMPLED : 06/27/03 at 1052 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 13A Nye ck 25N42

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	7.9	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	33	mg/L	2.0	200.7
Iron (Fe)	ND	ug/L	100	200.7
Magnesium (Mg)	3.3	mg/L	0.1	200.7
Manganese (Mn)	ND	ug/L	20	200.7
Potassium (K)	ND	mg/L	1.0	200.7
Sodium (Na)	2.1	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	ND	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	33	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	40	mg/L	1.0	SM2320B
TDS	54	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.39
HCO	0.66	Mg	0.27
Cl	0	Na	0.09
SO_4	0	K	0
	0.66		0.75
% DIFF = 7.2%			

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.12

DATE SAMPLED : 06/27/03 at 1220 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 14A S Br Ward ck 25N32Y

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	29	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	83	mg/L	2.0	200.7
Iron (Fe)	ND	ug/L	100	200.7
Magnesium (Mg)	2.5	mg/L	0.1	200.7
Manganese (Mn)	ND	ug/L	20	200.7
Potassium (K)	ND	mg/L	1.0	200.7
Sodium (Na)	2.8	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	4.2	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	81	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	99	mg/L	1.0	SM2320B
TDS	100	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	1.4
HCO	1.6	Mg	0.21
Cl	0	Na	0.12
SO_4	0.09	K	0
	1.7		1.7

% DIFF = 1.8%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REV. 6 2/97 (DOCINOR\GENMIN)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.13

DATE SAMPLED : 06/27/03 at 1211 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 15A Med Br Ward 25N32Y

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	9.4	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	38	mg/L	2.0	200.7
Iron (Fe)	ND	ug/L	100	200.7
Magnesium (Mg)	3.6	mg/L	0.1	200.7
Manganese (Mn)	ND	ug/L	20	200.7
Potassium (K)	ND	mg/L	1.0	200.7
Sodium (Na)	2.3	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	ND	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	40	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	49	mg/L	1.0	SM2320B
TDS	60	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.47
HCO	0.80	Mg	0.30
Cl	0	Na	0.10
SO_4	0	K	0
	0.80		0.87

% DIFF = 3.7%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.14

DATE SAMPLED : 06/27/03 at 1200 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 16A Nye ck 25N32Y

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	15	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	61	mg/L	2.0	200.7
Iron (Fe)	ND	ug/L	100	200.7
Magnesium (Mg)	5.7	mg/L	0.1	200.7
Manganese (Mn)	ND	ug/L	20	200.7
Potassium (K)	1.1	mg/L	1.0	200.7
Sodium (Na)	3.0	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	ND	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	65	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	79	mg/L	1.0	SM2320B
TDS	82	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.75
HCO	1.3	Mg	0.47
Cl	0	Na	0.13
SO_4	0	K	0.03
	1.3		1.4

% DIFF = 3.0%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.15

DATE SAMPLED : 06/27/03 at 1104 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 17A N. Br. Ward 25N42Y

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	17	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	70	mg/L	2.0	200.7
Iron (Fe)	ND	ug/L	100	200.7
Magnesium (Mg)	6.8	mg/L	0.1	200.7
Manganese (Mn)	ND	ug/L	20	200.7
Potassium (K)	1.7	mg/L	1.0	200.7
Sodium (Na)	3.5	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	ND	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	90	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	110	mg/L	1.0	SM2320B
TDS	92	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.85
HCO	1.8	Mg	0.56
Cl	0	Na	0.15
SO_4	0	K	0.04
	1.8		1.6

% DIFF = 5.9%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.16

DATE SAMPLED : 06/27/03 at 1138 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 18A N Br Ward 25N32Y

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	16	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	67	mg/L	2.0	200.7
Iron (Fe)	ND	ug/L	100	200.7
Magnesium (Mg)	6.5	mg/L	0.1	200.7
Manganese (Mn)	ND	ug/L	20	200.7
Potassium (K)	1.9	mg/L	1.0	200.7
Sodium (Na)	3.8	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	ND	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	68	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	83	mg/L	1.0	SM2320B
TDS	91	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.80
HCO	1.4	Mg	0.53
Cl	0	Na	0.17
SO_4	0	K	0.05
	1.4		1.6

% DIFF = 6.4%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.17

DATE SAMPLED : 06/27/03 at 1347 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 20A LGC @ Far West

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	12	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	44	mg/L	2.0	200.7
Iron (Fe)	140	ug/L	100	200.7
Magnesium (Mg)	3.4	mg/L	0.1	200.7
Manganese (Mn)	ND	ug/L	20	200.7
Potassium (K)	1.4	mg/L	1.0	200.7
Sodium (Na)	4.2	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	4.3	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	47	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	57	mg/L	1.0	SM2320B
TDS	65	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.60
HCO	0.93	Mg	0.28
Cl	0	Na	0.18
SO_4	0.09	K	0.04
	1.0		1.1

% DIFF = 3.5%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.18

DATE SAMPLED : 06/27/03 at 0848 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 1A Portal

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	12	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	48	mg/L	2.0	200.7
Iron (Fe)	ND	ug/L	100	200.7
Magnesium (Mg)	4.5	mg/L	0.1	200.7
Manganese (Mn)	ND	ug/L	20	200.7
Potassium (K)	ND	mg/L	1.0	200.7
Sodium (Na)	4.4	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	2.0	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	54	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	66	mg/L	1.0	SM2320B
TDS	88	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.60
HCO	1.1	Mg	0.37
Cl	0	Na	0.19
SO_4	0.09	K	0
	1.1		1.1

% DIFF = 1.6%

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.19

DATE SAMPLED : 06/27/03 at 0915 by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : N. Tyler, G. Barrett, J. Tangye
REVIEWED BY : J. Ureno

DATE PREPARED : 06/30/03 through 07/09/03
DATE ANALYZED : 06/30/03 through 07/09/03

SAMPLE TYPE: Surface Water

CLIENT SAMPLE ID : 3A DC Downstream

GENERAL MINERAL	RESULTS	UNITS	DLR	METHOD
Boron (B)	ND	mg/L	0.05	200.7
Calcium (Ca)	12	mg/L	0.5	200.7
Hardness (as $CaCO_3$)	54	mg/L	2.0	200.7
Iron (Fe)	240	ug/L	100	200.7
Magnesium (Mg)	5.9	mg/L	0.1	200.7
Manganese (Mn)	31	ug/L	20	200.7
Potassium (K)	ND	mg/L	1.0	200.7
Sodium (Na)	2.6	mg/L	1.0	200.7
Chloride (Cl)	ND	mg/L	2.0	300.0
Sulfate (SO_4)	3.0	mg/L	2.0	300.0
Alkalinity (as $CaCO_3$)	69	mg/L	1.0	SM2320B
Carbonate (as $CaCO_3$)	ND	mg/L	1.0	SM2320B
Bicarbonate (as $CaCO_3$)	84	mg/L	1.0	SM2320B
TDS	34	mg/L	10	SM2540

ION BALANCE			
CO_3	0	Ca	0.60
HCO	1.4	Mg	0.49
Cl	0	Na	0.11
SO_4	0.06	K	0
	1.5		1.2
% DIFF = 9.2%			

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
MBAS : Methylene Blue Active Substances

SM: Standard Methods, 18th Edition
ND: None Detected uS/cm: micro Siemen per Centimeter @ 25°C
N/A: Not Applicable

SI: Saturation Index
DLR: Detection Limit for Reporting purposes

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.1-19

DATE SAMPLED : 06/27/03 as listed by Rob Busby
DATE RECEIVED : 06/27/03 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett
REVIEWED BY : J. Ureno

DATE PREPARED : 07/02/03
DATE ANALYZED : 07/07/03

SAMPLE TYPE: Surface Water

CONSTITUENT : Copper (Cu) Total

LAB ID #	SAMPLE ID	RESULT	UNITS	DLR	METHOD
1.	5B LGC upstream @0818	ND	ug/L	5.0	200.7
2.	2B DC upstream @0900	ND	ug/L	5.0	200.7
3.	4B DC @48" culvert @0919	41	ug/L	5.0	200.7
4.	6B USFS Dam @0940	430	ug/L	5.0	200.7
5.	7B LGC above DC @0950	ND	ug/L	5.0	200.7
6.	8B LGC below DC @0956	420	ug/L	5.0	200.7
7.	9B LGC @ Browns Cabin @1008	100	ug/L	5.0	200.7
8.	10B LGC @25N 05Y @1304	9.3	ug/L	5.0	200.7
9.	11B S. Br. Ward ck 25N42 @1032	ND	ug/L	5.0	200.7
10.	12B Mid Br Ward ck 25N42 @1042	11	ug/L	5.0	200.7
11.	13B Nye ck 25N 42 @1052	ND	ug/L	5.0	200.7
12.	14B S. Br. Ward ck 25N32Y @1220	ND	ug/L	5.0	200.7
13.	15B Mid Br Ward 25N 32Y @1211	ND	ug/L	5.0	200.7
14.	16B Nye ck 25N 32Y @1200	ND	ug/L	5.0	200.7
15.	17B N. Br. Ward 25N 42Y @1104	ND	ug/L	5.0	200.7
16.	18B N. Br. Ward 25N 32Y	ND	ug/L	5.0	200.7
17.	20B LGC @Far West @1347	27	ug/L	5.0	200.7
18.	1B Portal @0848	120	ug/L	5.0	200.7
19.	3B DC Downstream @0915	30	ug/L	5.0	200.7

ND: None Detected
mg/L: Milligrams per liter (ppm)
ug/L: Micrograms per liter (ppb)
DLR: Detection Limit for Reporting purposes
SM: Standard Methods (18th Edition)

REV. 01/01 (FORM 1)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.1-19

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/03 as listed by Rob Busby
DATE RECEIVED : 06/27/0 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett
REVIEWED BY : J. Ureno

DATE PREPARED : 07/02/03
DATE ANALYZED : 07/07/03

SAMPLE TYPE: Surface Water

CONSTITUENT : Zinc (Zn) Total

LAB ID #	SAMPLE ID	RESULT	UNITS	DLR	METHOD
1.	5B LGC upstream @0818	2.6	ug/L	2.0	200.7
2.	2B DC upstream @0900	ND	ug/L	2.0	200.7
3.	4B DC @48" culvert @0919	8.6	ug/L	2.0	200.7
4.	6B USFS Dam @0940	27	ug/L	2.0	200.7
5.	7B LGC above DC @0950	ND	ug/L	2.0	200.7
6.	8B LGC below DC @0956	28	ug/L	2.0	200.7
7.	9B LGC @ Browns Cabin @1008	6.7	ug/L	2.0	200.7
8.	10B LGC @25N 05Y @1304	6.5	ug/L	2.0	200.7
9.	11B S. Br. Ward ck 25N42 @1032	ND	ug/L	2.0	200.7
10.	12B Mid Br Ward ck 25N42 @1042	3.9	ug/L	2.0	200.7
11.	13B Nye Ck 25N 42 @1052	2.9	ug/L	2.0	200.7
12.	14B S. Br. Ward Ck 25N32Y @1220	ND	ug/L	2.0	200.7
13.	15B Mid Br Ward 25N 32Y @1211	ND	ug/L	2.0	200.7
14.	16B Nye Ck 25N 32Y @1200	ND	ug/L	2.0	200.7
15.	17B N. Br. Ward 25N 42Y @1104	ND	ug/L	2.0	200.7
16.	18B N. Br. Ward 25N 32Y	ND	ug/L	2.0	200.7
17.	20B LGC @Far West @1347	ND	ug/L	2.0	200.7
18.	1B Portal @0848	160	ug/L	2.0	200.7
19.	3B DC Downstream @0915	5.4	ug/L	2.0	200.7

ND: None Detected
mg/L: Milligrams per liter (ppm)
ug/L: Micrograms per liter (ppb)
DLR: Detection Limit for Reporting purposes
SM: Standard Methods (18th Edition)

REV. 01/01 (FORM 1)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.1-19

THE TWINING LABORATORIES, INC.

DATE SAMPLED : 06/27/03 as listed by Rob Busby
DATE RECEIVED : 06/27/0 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : G. Barrett
REVIEWED BY : J. Ureno

DATE PREPARED : 07/07/03
DATE ANALYZED : 07/07/03

SAMPLE TYPE: Surface Water

CONSTITUENT : Aluminum (Al) Total

LAB ID #	SAMPLE ID	RESULT	UNITS	DLR	METHOD
1.	5B LGC upstream @0818	34	ug/L	20	200.7
2.	2B DC upstream @0900	ND	ug/L	20	200.7
3.	4B DC @48" culvert @0919	34	ug/L	20	200.7
4.	6B USFS Dam @0940	44	ug/L	20	200.7
5.	7B LGC above DC @0950	21	ug/L	20	200.7
6.	8B LGC below DC @0956	51	ug/L	20	200.7
7.	9B LGC @ Browns Cabin @1008	24	ug/L	20	200.7
8.	10B LGC @25N 05Y @1304	32	ug/L	20	200.7
9.	11B S. Br. Ward ck 25N42 @1032	ND	ug/L	20	200.7
10.	12B Mid Br Ward ck 25N42 @1042	100	ug/L	20	200.7
11.	13B Nye Ck 25N 42 @1052	41	ug/L	20	200.7
12.	14B S. Br. Ward Ck 25N32Y @1220	ND	ug/L	20	200.7
13.	15B Mid Br Ward 25N 32Y @1211	43	ug/L	20	200.7
14.	16B Nye Ck 25N 32Y @1200	20	ug/L	20	200.7
15.	17B N. Br. Ward 25N 42Y @1104	ND	ug/L	20	200.7
16.	18B N. Br. Ward 25N 32Y	64	ug/L	20	200.7
17.	20B LGC @Far West @1347	ND	ug/L	20	200.7
18.	1B Portal @0848	ND	ug/L	20	200.7
19.	3B DC Downstream @0915	30	ug/L	20	200.7

ND: None Detected
mg/L: Milligrams per liter (ppm)
ug/L: Micrograms per liter (ppb)
DLR: Detection Limit for Reporting purposes
SM: Standard Methods (18th Edition)

REV. 01/01 (FORM 1)

REPORT DATE : July 21, 2003
LABORATORY ID : 703-3267.1-19

DATE SAMPLED : 06/27/03 as listed by Rob Busby
DATE RECEIVED : 06/27/0 at 1715 from Rob Busby

CLIENT : RWQCB

ANALYZED BY : S. Stasikonis
REVIEWED BY : J. Ureno

DATE PREPARED : 07/18/03
DATE ANALYZED : 07/18/03

SAMPLE TYPE: Surface Water

CONSTITUENT : Arsenic (As) Total

LAB ID #	SAMPLE ID	RESULT	UNITS	DLR	METHOD
18.	1B Portal @0848	0.016	mg/L	0.01	3114C
19.	3B DC Downstream @0915	ND	mg/L	0.01	3114C

ND: None Detected
mg/L: Milligrams per liter (ppm)
ug/L: Micrograms per liter (ppb)
DLR: Detection Limit for Reporting purposes
SM: Standard Methods (18th Edition)

REV. 01/01 (FORM 1)

LABORATORY CONTROL SAMPLE
QUALITY CONTROL REPORT

Analyzed By: J. Tangye, G. Barrett

Reviewed By: J. Ureno

Twining Laboratories, Inc. Examination Number: 70303267

Constituent	MB Result	Units	Spike Level	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec.	RPD
Boron (B)	< 0.05	mg/L	1.0	1.04	1.03	104	103	0.97
Calcium (Ca)	< 0.5	mg/L	2.0	2.13	2.12	106	106	0.47
Iron (Fe)	< 100	ug/L	2000	2160	2150	108	108	0.46
Magnesium (Mg)	< 0.1	mg/L	2.0	2.10	2.08	105	104	0.96
Manganese (Mn)	< 20	ug/L	100	107	106	107	106	0.94
Potassium (K)	< 1.0	mg/L	4.0	4.34	4.33	108	108	0.23
Sodium (Na)	< 1.0	mg/L	2.0	2.19	2.19	110	110	0
Chloride (Cl)	ND	mg/L	25	23.7	23.7	94.9	94.8	0.1
Sulfate (SO_4)	ND	mg/L	25	24.1	24.3	96.3	97.3	1.0
Alkalinity (as $CaCO_3$)	ND	mg/L	169	166	166	98.2	98.2	0
TDS	ND	mg/L	293	278	277	94.9	94.5	0.36

EXPLANATIONS:

ug/L: Micrograms per Liter (ppb)
mg/L: Milligrams per Liter (ppm)

Method Blank: The method blank is used to determine if method analytes or other interferences are present in the laboratory environment, the reagents or apparatus.

Laboratory Control Sample: A laboratory control sample is generated by spiking the analyte into a relatively inert matrix (clean sand or blank water). The laboratory control sample is analyzed exactly like a sample, and its purpose is to determine whether the methodology is in control and whether the laboratory is capable of making accurate and precise measurements.

LABORATORY CONTROL SAMPLE
QUALITY CONTROL REPORT

Analyzed By: G. Barrett

Reviewed By: J. Ureno

Twining Laboratories, Inc. Examination Number: 70303267.1-19

Constituent	MB Result	Spike Level	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec.	RPD
Sb	< 0.005	0.1	0.102	0.104	102	104	1.9
Ba	< 0.01	0.2	0.209	0.211	105	106	0.95
Be	< 0.001	0.02	0.0215	0.0218	108	109	1.4
Cd	< 0.001	0.02	0.0215	0.0219	108	110	1.8
Cr	< 0.005	0.1	0.104	0.106	104	106	1.9
Co	< 0.005	0.1	0.104	0.106	104	106	1.9
Cu	< 0.005	0.1	0.104	0.106	104	106	1.9
Mo	< 0.005	0.1	0.105	0.106	105	106	0.95
Ni	< 0.005	0.1	0.104	0.106	104	106	1.9
V	< 0.01	0.2	0.204	0.204	102	102	0
Zn	< 0.002	0.1	0.106	0.107	106	107	0.94

EXPLANATIONS:

All concentrations in mg/L: Milligrams per Liter (ppm)

Method Blank: The method blank is used to determine if method analytes or other interferences are present in the laboratory environment, the reagents or apparatus.

Laboratory Control Sample: A laboratory control sample is generated by spiking the analyte into a relatively inert matrix (clean sand or blank water). The laboratory control sample is analyzed exactly like a sample, and its purpose is to determine whether the methodology is in control and whether the laboratory is capable of making accurate and precise measurements.

LABORATORY CONTROL SAMPLE
QUALITY CONTROL REPORT

Analyzed By: G. Barrett

Reviewed By: J. Ureno

Twining Laboratories, Inc. Examination Number: 70303267.1-19

Constituent	MB Result	Spike Level	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec.	RPD
Cu	< 0.005	0.1	0.106	0.106	106	106	0
Al	< 0.02	2.0	2.04	2.01	102	101	1.48
Zn	< 0.002	0.1	0.108	0.108	108	108	0

EXPLANATIONS:

All concentrations in mg/L: Milligrams per Liter

Method Blank: The method blank is used to determine if method analytes or other interferences are present in the laboratory environment, the reagents or apparatus.

Laboratory Control Sample: A laboratory control sample is generated by spiking the analyte into a relatively inert matrix (clean sand or blank water). The laboratory control sample is analyzed exactly like a sample, and its purpose is to determine whether the methodology is in control and whether the laboratory is capable of making accurate and precise measurements.

LABORATORY CONTROL SAMPLE
QUALITY CONTROL REPORT

Analyzed By: G. Barrett, S. Stasikonis

Reviewed By: J. Ureno

Twining Laboratories, Inc. Examination Number: 70303267

Constituent	MB Result	Spike Level	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec.	RPD
Pb	< 5.0	10	10.7	10.5	107	105	2.0
Tl	< 1.0	10	10.9	10.5	109	105	3.6
Hg	< 0.2	5.0	5.52	5.40	110	108	2.2
As	< 2.0	4.0	3.73	3.69	93.3	92.3	1.1
Se	< 2.0	10	10.4	10.8	104	108	3.8

EXPLANATIONS:

All concentrations in ug/L: Micrograms per Liter (ppb)

Method Blank: The method blank is used to determine if method analytes or other interferences are present in the laboratory environment, the reagents or apparatus.

Laboratory Control Sample: A laboratory control sample is generated by spiking the analyte into a relatively inert matrix (clean sand or blank water). The laboratory control sample is analyzed exactly like a sample, and its purpose is to determine whether the methodology is in control and whether the laboratory is capable of making accurate and precise measurements.

THE TWINING LABORATORIES, INC.
EST. 1898
ANALYTICAL CHEMISTRY • ENVIRONMENTAL SERVICES
GEOTECHNICAL SERVICES • SAMPLING SERVICES
CONSTRUCTION INSPECTION & MATERIALS TESTING

Tel (559) 268 - 7021 • (559) 268-0740 Fax

Fax

To: Anthony Toto **From:** Andy Seruntine

Company: RWQCB - Fresno

Fax: 445-5910 **Pages:** 48

Re: 7030-3867 **Date:** July 21, 2003

Original to Follow In Mail: Yes / No

For questions regarding this fax, please contact us at the number above.

Comments:

WE APPRECIATE YOUR BUSINESS!

CORPORATE
2527 Fresno Street
Fresno, CA 93721-1804
(559) 268-7021
Fax 268-0740

MODESTO
5253 Jerusalem Court, Suite E
Modesto, CA 95356-9322
(209) 342-2061
Fax 579-1480

VISALIA
130 North Kelsey Street, #H6
Visalia, CA 93291-9000
(559) 651-8280
Fax 651-8288

BAKERSFIELD
3651 Pegasus Drive, #117
Bakersfield, CA 93308-6843
(661) 393-5088
Fax 393-4643

MONTEREY
501 Ortiz Avenue
Sand City, CA 93955-3553
(831) 392-1056
Fax 268-7126

SACRAMENTO
5675 Power Inn Road, Suite C
Sacramento, CA 95824-2313
(916) 381-9477
Fax 381-9478

MESSAGE CONFIRMATION JUL-22-2003 04:42PM TUE

FAX NUMBER:
NAME :

NAME/NUMBER	:	4455910
PAGE	:	048
START TIME	:	JUL-22-2003 04:32PM TUE
ELAPSED TIME	:	09'44"
MODE	:	G3 STD ECM
RESULTS	:	[O.K]

THE TWINING LABORATORIES, INC.
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ANALYTICAL CHEMISTRY • ENVIRONMENTAL SERVICES
GEOTECHNICAL SERVICES • SAMPLING SERVICES
CONSTRUCTION INSPECTION & MATERIALS TESTING

Tel (559) 268 - 7021 • (559) 268-0740 Fax

Fax

To: Len Gatlin **From:** Andy Seruntine

Company: Calipatria State Prison

Fax: 760-348-6035 **Pages:** 2

Re: 7030-3530 **Date:** July 21, 2003

Original to Follow In Mail: Yes / No

For questions regarding this fax, please contact us at the number above.

Comments:

Called A. Toto 4:53 pm - to confirm receipt of entire fax - All 48 pgs went through, but another fax's cover sheet is printed here. A

WE APPRECIATE YOUR BUSINESS!

CORPORATE
2527 Fresno Street
Fresno, CA 93721-1804
(559) 268-7021
Fax 268-0740

MODESTO
5253 Jerusalem Court, Suite E
Modesto, CA 95356-9322
(209) 342-2061
Fax 579-1480

VISALIA
130 North Kelsey Street, #H6
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Fax 651-8288

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(831) 392-1056
Fax 268-7126

SACRAMENTO
5675 Power Inn Road, Suite C
Sacramento, CA 95824-2313
(916) 381-9477
Fax 381-9478

THE TWINING LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC # 7030-3267

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION:		
REPORT TO: Rob Busby	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: 916 255-3136 CVRWQCB 3443 ROUTIER RD., STE. A SACRAMENTO, CA 95827	ADDRESS:	ADDRESS:
ATTENTION: (916) 255-3088 FAX 255-3015	ATTENTION:	ATTENTION:
PH ( )	PH ( )	PH ( )
FAX ( )	FAX ( )	FAX ( )
	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE
- ☐ PUBLIC SYSTEM
- ☐ PRIVATE WELL
- ☑ SURFACE WATER
- ☐ CONSTRUCTION ☐ OTHER

SAMPLE STATUS
- ☑ ROUTINE
- ☐ REPEAT
- ☐ OTHER

REPORTS FOR:
COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE
☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER:

PROJECT:
SITE: Walker Mine
PROJECT #:
PROJECT MANAGER:

SAMPLE INFORMATION:
SAMPLE BY (PRINT NAME): Rob Busby (916)-255-3136
SIGNATURE:
☐ ROUTINE ANALYSIS
☐ RUSH ANALYSIS, RESULTS NEEDED BY:

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE
BS - Biosolids, DW - Drinking Water, GW - Ground Water, SF - Surface Water, SL - Soil/Solid, ST - Storm Water, WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	Bid Grp #	Dissolved metals Gen Minerals JHB	Total Cu, Zn, Fe, Al	Total As	~~Diss. As~~ diss As, Diss Mn, Total Fe in GM List JHB 6/30					(LAB USE - BOTTLES)
1	5ALGC upstream	6/27	8:18	SF	X									1-19
1	5B " "		"			X					HNO_3			c/o HNO_3 ME
18	1A Portal		8:48		X			X						500P HNO_3 ME
18	1B "		"			X	X				HNO_3			125P HNO_3 ME
2	2A DC upstream		0900		X									c/o ~~0~~ C2
2	2B " "		"			X					HNO_3			
19	3A DC Downstream		0915		X									9 c/o HNO_3 ME
19	3B " "		"			X	X				HNO_3			500P HNO_3 ME ~~125P HNO_3 ME~~
3	4A DC @ 48" culvert		0919		X									2xCO ~~0~~ C2
3	4B " "		"			X					HNO_3			

COMMENTS: Use following Detection Limits: Cu-0.001-0.005 mg/l; Zn-0.002 mg/l; Fe-0.050 mg/l; Al-0.020 mg/l; As-0.005 mg/l
Sampler received + Filtered w/0.45 + Pres w/ HNO_3 by JT JHB 6/30. No H_2SO_4 pre sample received for total PO_4 JHB 6/30

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Rob Busby	RWQCB	6/27/03	1715	J Tancye 6/23	T.L.

THE **TWINING** LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC # 7030-3267

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION:		
REPORT TO: Rob Busby	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: CVRWQCB 3443 ROUTIER RD., STE. A SACRAMENTO, CA 95827	ADDRESS:	ADDRESS:
ATTENTION: (916) 255-3088 FAX 255-3015	ATTENTION:	ATTENTION:
PH ( )	PH ( )	PH ( )
FAX ( )	FAX ( )	FAX ( )
	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE
- ☐ PUBLIC SYSTEM
- ☐ PRIVATE WELL
- ☑ SURFACE WATER
- ☐ CONSTRUCTION ☐ OTHER

SAMPLE STATUS
- ☑ ROUTINE
- ☐ REPEAT
- ☐ OTHER

REPORTS FOR:
COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE
☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER:

PROJECT:
SITE: Walker Mine
PROJECT #:
PROJECT MANAGER:

SAMPLE INFORMATION:
SAMPLE BY (PRINT NAME): Rob Busby (916) 255-3136
SIGNATURE:
☑ ROUTINE ANALYSIS
☐ RUSH ANALYSIS, RESULTS NEEDED BY:

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE
BS - Biosolids, GW - Ground Water, SL - Soil/Solid
DW - Drinking Water, SF - Surface Water, ST - Storm Water, WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	Bid Grp 7 Diss metals General Minerals	Total Cu, Zn, Fe, Al									(LAB USE - BOTTLES)
4	6A USFS Dam	6/27	0940	SF	X										
4	6B " "		"			X					HNO_3				
5	7A LGC above DC		0950		X										
5	7B " "		"			X					HNO_3				
6	8A LGC below DC		0956		X										
6	8B " "		"			X					HNO_3				
7	9A LGC @ Browns Cabin		1008		X										
7	9B " "		1008			X					HNO_3				
8	10A LGC @ 25N05Y		1304		X										
8	10B " "		"			X					HNO_3				

COMMENTS: 9C LGC @ Browns Cabin Hold per Rob Busby JHB 6/31 Sample #20
*Please use these detection limits: Cu 0.001-0.005 mg/l; Zn - 0.002 mg/l
Fe - 0.050 mg/l Al - 0.020 mg/l; As - 0.005 mg/l

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Rob Busby	RWQCB	6/27/03	1715		

THE TWINING LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC # 7030-3267

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION:		
REPORT TO: Rob Busby	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: CVRWQCB 3443 ROUTIER RD., STE. A SACRAMENTO, CA 95827	ADDRESS:	ADDRESS:
ATTENTION: (916) 255-3088	ATTENTION:	ATTENTION:
PH ( ) FAX 255-3015	PH ( )	PH ( )
FAX ( )	FAX ( )	FAX ( )
	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE	SAMPLE STATUS
☐ PUBLIC SYSTEM	☑ ROUTINE
☐ PRIVATE WELL	☐ REPEAT
☑ SURFACE WATER	☐ OTHER
☐ CONSTRUCTION ☐ OTHER	

REPORTS FOR:

COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE

☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER:

SAMPLE INFORMATION:

SAMPLE BY (PRINT NAME): Rob Busby (916)255-3136

SIGNATURE:

☑ ROUTINE ANALYSIS

☐ RUSH ANALYSIS, RESULTS NEEDED BY:

PROJECT:

SITE: Walker mine

PROJECT #:

PROJECT MANAGER:

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE

BS - Biosolids
DW - Drinking Water
GW - Ground Water
SF - Surface Water
SL - Soil/Solid
ST - Storm Water
WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	B, Cr, Fe, metals Diss. Chemical Mn, metals Total Cu, Zn, Fe, Al								(LAB USE - BOTTLES)
9	11A S. Br. Ward Ck 25N42	6/27/03	1032	SF	X								
9	11B " "		"			X						H NO3	
10	12A Mid Br Ward Ck 25N42		1042		X								
10	12B " "		"			X						H NO3	
11	13A Nye Ck 25N42		1052		X								
11	13B " "		"			X						H NO3	
12	14A S. Br. Ward Ck 25N32Y		1220		X								
12	14B " "		"			X						H NO3	
13	15A Mid Br Ward 25N32Y		1241		X								
13	15B " "	↓	1211	↓		X						H NO3	

COMMENTS: Use following Detection Limits: Cr - 0.001 - 0.005 mg/L; Zn - 0.002 - Fe - 0.050 mg/L; Al - 0.020 mg/L; As - 0.005 mg/L

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Rob Busby	RWQCB	6/27/03	1745		

THE **TWINING** LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC # 7030-3067

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION: Rob Busby		
REPORT TO:	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: CVRWQCB 3443 ROUTIER RD., STE. A SACRAMENTO, CA 95827	ADDRESS:	ADDRESS:
ATTENTION: (916) 255-3088 FAX 255-3015	ATTENTION:	ATTENTION:
PH ( )	PH ( )	PH ( )
FAX ( )	FAX ( )	FAX ( )
	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE	SAMPLE STATUS
☐ PUBLIC SYSTEM	☑ ROUTINE
☐ PRIVATE WELL	☐ REPEAT
☑ SURFACE WATER	☐ OTHER
☐ CONSTRUCTION ☐ OTHER	

REPORTS FOR:

COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE

☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER: _____

SAMPLE INFORMATION:

SAMPLE BY (PRINT NAME): Rob Busby (916) 255-3136

SIGNATURE:

☑ ROUTINE ANALYSIS

☐ RUSH ANALYSIS, RESULTS NEEDED BY:

PROJECT:

SITE: Walker Mine

PROJECT #: _____

PROJECT MANAGER: _____

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE

BS - Biosolids
DW - Drinking Water
GW - Ground Water
SF - Surface Water
SL - Soil/Solid
ST - Storm Water
WW - Waste Water

ANALYSIS REQUESTED

Bi-Grip 7 Dissolved Metals (Cu, Zn, Fe, Al) Total Cu, Zn, Fe, Al

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE								(LAB USE - BOTTLES)
14	16A Nye Ck 25N32Y	6/27/03	1200	SF	X							
14	16B " "		"			X						HNO3
15	17A N. Br Ward 25N32Y		1104		X							
15	17B " "		"			X						HNO3
16	18A N Br Ward 25N32Y		1138		X							
16	18B " "		"			X						HNO3
	~~19A Settling Pond~~		No	t Sample								
	~~19B " "~~											
17	20A LCC 2 Farthest		1347		X							
17	20B " "	↓	"	↓		X						HNO3

COMMENTS: Use following Detection Limits: Cu - 0.001-0.005 mg/l; Zn - 0.002 mg/l; Fe - 0.050 mg/l; Al - 0.020 mg/l; As - 0.005 mg/l

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Rob Busby	RWQCB	6/27/03	1715		

THE TWINING LABORATORIES INC. ~~Spring 03~~ Dissolved metals

Report Date: July 21, 2003
Laboratory ID: 70303267.19
Date Sampled: 06/27/03 at 0915 by Rob Busby
Date Received: 06/27/03 at 1715 from Rob Busby
Client: RWQCB - Fresno
Analyzed By: G. Barrett, S. Stasikonis, S. Yates
Reviewed By: J. Ureno
Date Prepared: 07/03/03 through 07/18/03
Date Analyzed: 07/03/03 through 07/18/03
Client Sample ID: 3A DC Downstream Sample Type: Surface Water

Bid Group 7 - Dissolved	Result	Units	DLR	Method
ANTIMONY	ND	mg/L	0.005	200.7
BARIUM	0.030	mg/L	0.01	200.7
BERYLLIUM	ND	mg/L	0.001	200.7
CADMIUM	ND	mg/L	0.001	200.7
CHROMIUM	ND	mg/L	0.005	200.7
COBALT	ND	mg/L	0.002	200.7
COPPER	0.023	mg/L	0.005	200.7
MOLYBDENUM	ND	mg/L	0.005	200.7
NICKEL	ND	mg/L	0.005	200.7
VANADIUM	ND	mg/L	0.01	200.7
ZINC	0.0063	mg/L	0.002	200.7
ARSENIC	ND	mg/L	0.005	SM3114C
LEAD	ND	mg/L	0.005	200.9
MERCURY	ND	mg/L	0.0002	245.1
SELENIUM	ND	mg/L	0.002	SM3114C
THALLIUM	ND	mg/L	0.001	200.9

mg/L: Milligrams per Liter (ppm); ND: Non Detect; DLR: Detection Limit for Reporting puposes

David Bell

THE TWINING LABORATORIES INC.

General Minerals

Report Date: July 21, 2003
Laboratory ID: 70303267.19
Date Sampled: 06/27/03 at 0915 by Rob Busby
Date Received: 06/27/03 at 1715 from Rob Busby
Client: RWQCB - Fresno
Analyzed By: G. Barrett, N. Tyler, J. Tangye
Reviewed By: J. Ureno
Date Prepared: 06/30/03 through 07/09/03
Date Analyzed: 06/30/03 through 07/09/03
Client Sample ID: 3A DC Downstream
Sample Type: Surface Water

GENERAL MINERAL	Result	Units	DLR	Method
BORON	ND	mg/L	0.05	200.7
CALCIUM	12	mg/L	0.5	200.7
HARDNESS	54	mg/L	2.0	200.7
IRON	240	ug/L	100	200.7
MAGNESIUM	5.9	mg/L	0.1	200.7
MANGANESE	31	mg/L	20	200.7
POTASSIUM	ND	mg/L	1.0	200.7
SODIUM	2.6	mg/L	1.0	200.7
CHLORIDE	ND	mg/L	2.0	300.0
SULFATE	3.0	mg/L	2.0	300.0
ALKALINITY	69	mg/L	1.0	SM2320B
CARBONATE	ND	mg/L	1.0	SM2320B
BICARBONATE	84	mg/L	1.0	SM2320B
TDS	34	mg/L	10	SM2540

ION BLANCE			
CO_3	0	Ca	0.60
HCO	1.4	Mg	0.49
Cl	0	Na	0.11
SO_4	0.06	K	0
	1.5		1.2

% DIFF = 9.2%

mg/L: Milligrams per Liter (ppm); ND: Non Detect; DLR: Detection Limit for Reporting puposes
ug/L: Micrograms per Liter (ppb)

Total Cu
Zn
Al
As

THE TWINING LABORATORIES INC.

Report Date: July 21, 2003
Laboratory ID: 70303267.1-19
Date Sampled: 06/27/03 as listed by Rob Busby
Date Received: 06/27/03 at 1715 from Rob Busby
Client: RWQCB - Fresno
Analyzed By: G. Barrett
Reviewed By: J. Ureno
Date Prepared: 07/02/03
Date Analyzed: 07/07/03
Constituent: Copper (Cu) Total
Sample Type: Surface Water

Lab ID #	Sample ID	Result	Units	DLR	Method
1.	5B LGC upstream @0818	ND	ug/L	5.0	200.7
2.	2B DC upstream @0900	ND	ug/L	5.0	200.7
3.	4B DC @48" culvert @0919	41	ug/L	5.0	200.7
4.	6B USFS Dam @0940	430	ug/L	5.0	200.7
5.	7B LGC above DC @0950	ND	ug/L	5.0	200.7
6.	8B LGC below DC @0956	420	ug/L	5.0	200.7
7.	9B LGC @ Browns Cabin @1008	100	ug/L	5.0	200.7
8.	10B LGC @25N 05Y @1304	9.3	ug/L	5.0	200.7
9.	11B S. Br. Ward ck 25N42 @1032	ND	ug/L	5.0	200.7
10.	12B Mid Br Ward ck 25N42 @1042	11	ug/L	5.0	200.7
11.	13B Nye ck 25N42 @1052	ND	ug/L	5.0	200.7
12.	14B S. Br. Ward ck 25N32Y @1220	ND	ug/L	5.0	200.7
13.	15B Mid Br Ward 25N32Y @1211	ND	ug/L	5.0	200.7
14.	16B Nye ck 25N32Y @1200	ND	ug/L	5.0	200.7
15.	17B N. Br. Ward 25N42Y @1104	ND	ug/L	5.0	200.7
16.	18B N. Br. Ward 25N 32Y @1138	ND	ug/L	5.0	200.7
17.	20B LGC @Far West @1347	27	ug/L	5.0	200.7
18.	1B Portal @0848	120	ug/L	5.0	200.7
19.	3B DC Downstream @0915	30	ug/L	5.0	200.7

ug/L: Micrograms per Liter (ppb); ND: Non Detect; DLR: Detection Limit for Reporting puposes

Report Date: July 21, 2003
Laboratory ID: 70303267.1-19
Date Sampled: 06/27/03 as listed by Rob Busby
Date Received: 06/27/03 at 1715 from Rob Busby
Client: RWQCB - Fresno
Analyzed By: G. Barrett
Reviewed By: J. Ureno
Date Prepared: 07/02/03
Date Analyzed: 07/07/03
Constituent: Zinc (Zn) Total
Sample Type: Surface Water

Lab ID #	Sample ID	Result	Units	DLR	Method
1.	5B LGC upstream @0818	2.6	ug/L	2.0	200.7
2.	2B DC upstream @0900	ND	ug/L	2.0	200.7

THE TWINING LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC #

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION:		
REPORT TO: Rob Busby 916 255-3136	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: CVRWQCB 3443 ROUTIER RD., STE. A SACRAMENTO, CA 95827	ADDRESS:	ADDRESS:
ATTENTION: (916) 255-3088	ATTENTION:	ATTENTION:
PH ( ) FAX 255-3015	PH ( )	PH ( )
FAX ( )	FAX ( )	FAX ( )
	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE	SAMPLE STATUS
☐ PUBLIC SYSTEM	☑ ROUTINE
☐ PRIVATE WELL	☐ REPEAT
☑ SURFACE WATER	☐ OTHER
☐ CONSTRUCTION ☐ OTHER	

REPORTS FOR:

COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE

☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER: _____

SAMPLE INFORMATION:

SAMPLE BY (PRINT NAME): Rob Busby (916) 255-3136

SIGNATURE:

☐ ROUTINE ANALYSIS

☐ RUSH ANALYSIS, RESULTS NEEDED BY:

PROJECT:

SITE: Walker Mine

PROJECT #: _____

PROJECT MANAGER: _____

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE

BS - Biosolids
DW - Drinking Water
GW - Ground Water
SF - Surface Water
SL - Soil/Solid
ST - Storm Water
WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	Bio Grp 2	Dissolved metals, Cu, Zn, Fe, Al	Total Cu Zn, Fe, Al	Total As	Diss. As.							(LAB USE - BOTTLES)
	SALGC upstream	6/27	8:18	SF	X											
	5B " "	"	"	"		X	X	X						HNO_3		
	1A Portal	"	8:48	"	X			X								
	1B "	"	"	"		X	X							HNO_3		
	2A DC upstream	"	0960	"	X											
	2B " "	"	"	"		X	X							HNO_3		
	3A DC Downstream	"	0915	"	X											
	3B " "	"	"	"		X	X							HNO_3		
	4A DC @ 48" culvert	"	0919	"	X											
	4B " "	↓	"	↓		X	X							HNO_3		

COMMENTS: Use following Detection Limits: Cu - 0.001 - 0.005 mg/l; Zn - 0.002 mg/l; Fe - 0.050 mg/l; Al - 0.020 mg/l; As - 0.005 mg/l

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
[illegible]	RWQCB	6/27/03	1715		

THE TWINING LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC #

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION:		
REPORT TO: Rob Busby	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: CVRWQCB 3443 ROUTIER RD., STE. A SACRAMENTO, CA 95827	ADDRESS:	ADDRESS:
ATTENTION: (916) 255-3088 FAX 255-3015	ATTENTION:	ATTENTION:
PH ( )	PH ( )	PH ( )
FAX ( )	FAX ( )	FAX ( )
	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE	SAMPLE STATUS
☐ PUBLIC SYSTEM	☑ ROUTINE
☐ PRIVATE WELL	☐ REPEAT
☑ SURFACE WATER	☐ OTHER
☐ CONSTRUCTION ☐ OTHER	

SAMPLE INFORMATION:

SAMPLE BY (PRINT NAME): Rob Busby (916) 255-3136

SIGNATURE:

☑ ROUTINE ANALYSIS

☐ RUSH ANALYSIS, RESULTS NEEDED BY:

REPORTS FOR:

COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE

☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER: _____

PROJECT:

SITE: Walker Mine

PROJECT #: _____

PROJECT MANAGER: _____

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE

BS - Biosolids GW - Ground Water SL - Soil/Solid
DW - Drinking Water SF - Surface Water ST - Storm Water
WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	Bkd Grp 7 (Total/Diss Cu, Zn, Fe, Al)	Bkd Grp 7 (Total/Diss Cu, Zn, Fe, Al)								(LAB USE - BOTTLES)
	6A USFS Dam	6/27	0940	SF	X									
	6B " "		"			X						HNO_3		
	7A LGC above DC		0950		X									
	7B " "		"			X						HNO_3		
	8A LGC below DC		0956		X									
	8B " "		"			X						HNO_3		
	9A LGC @ Browns Cabin		1008		X									
	9B " "		1008			X						HNO_3		
	10A LGC @ 25N05Y		1304		X									
	10B " "		"			X						HNO_3		

COMMENTS: 9C LGC @ Browns Cabin

*Please use these detection limits: Cu 0.001-0.005 mg/l; Zn - 0.002 mg/l Fe - 0.050 mg/l Al - 0.020 mg/l; As - 0.005 mg/l

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Rob Busby	RWQCB	6/27/03	1715		

Pg 3 of 4

THE TWINING LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC #

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION:		
REPORT TO: Rob Busby	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS: CVRWQCB 3443 ROUTIER RD., STE. A SACRAMENTO, CA 95827	ADDRESS:	ADDRESS:
ATTENTION: (916) 255-3088	ATTENTION:	ATTENTION:
PH ( ) FAX 255-3015	PH ( )	PH ( )
FAX ( )	FAX ( )	FAX ( )
	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE	SAMPLE STATUS
☐ PUBLIC SYSTEM	☑ ROUTINE
☐ PRIVATE WELL	☐ REPEAT
☑ SURFACE WATER	☐ OTHER
☐ CONSTRUCTION ☐ OTHER	

REPORTS FOR:

COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE

☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER:

SAMPLE INFORMATION:

SAMPLE BY (PRINT NAME): Rob Busby (916) 255-3136

SIGNATURE:

☑ ROUTINE ANALYSIS

☐ RUSH ANALYSIS, RESULTS NEEDED BY:

PROJECT:

SITE: Walker Mine

PROJECT #:

PROJECT MANAGER:

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE

BS - Biosolids GW - Ground Water SL - Soil/Solid
DW - Drinking Water SF - Surface Water ST - Storm Water
WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	B, Cd, Cr, metals by ICP (dissolved)	Total Cu, Zn, Fe, Al								(LAB USE - BOTTLES)
	11A S. Br. Ward Ck 25N42	6/27/03	1032	SF	X									
	11B " "	"	"	"		X						H	NO_3	
	12A Mid Br Ward Ck 25N42		1042		X			X						
	12B " "		"			X						H	NO_3	
	13A Nye Ck 25N42		1052		X									
	13B " "		"			X						H	NO_3	
	14A S. Br. Ward Ck 25N32Y		1220		X									
	14B " "		"			X						H	NO_3	
	15A Mid Br Ward 25N32Y		1211		X									
	15B " "	↓	1211	↓		X						H	NO_3	

COMMENTS: Use following Detection Limits: Cu - 0.001 - 0.005 mg/l; Zn - 0.002 mg/l; Fe - 0.050 mg/l; Al - 0.020 mg/l; As - 0.005 mg/l

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
[signature]	RWQCB	6/27/03	1715		

THE TWINING LABORATORIES, INC.

CHAIN OF CUSTODY/ANALYSIS REQUEST

COC #

2527 FRESNO STREET • FRESNO, CA 93721 • (559) 268-7021 FAX: (559) 268-0740

SUBMITTER INFORMATION: Rob Busby		
REPORT TO:	SEND INVOICE TO:	RESULTS RELEASED TO:
ADDRESS:	ADDRESS:	ADDRESS:
CVRWQCB 3443 ROUTIER RD., STE. A SACRAMENTO, CA 95827		
ATTENTION: (916) 255-3088 FAX 255-3015	ATTENTION:	ATTENTION:
PH ( )	PH ( )	PH ( )
FAX ( )	FAX ( )	FAX ( )
	CONTRACT # OR P.O.	

BACTERIOLOGICAL SAMPLE SOURCE	SAMPLE STATUS
☐ PUBLIC SYSTEM	☑ ROUTINE
☐ PRIVATE WELL	☐ REPEAT
☑ SURFACE WATER	☐ OTHER
☐ CONSTRUCTION ☐ OTHER	

REPORTS FOR:

COUNTY: ☐ FRESNO ☐ KINGS ☐ MADERA ☐ MERCED ☐ TULARE

☐ STATE DEPT. OF HEALTH SERVICES ☐ OTHER: _____

SAMPLE INFORMATION:

SAMPLE BY (PRINT NAME): Rob Busby (916) 255-3126

SIGNATURE:

☑ ROUTINE ANALYSIS

☐ RUSH ANALYSIS, RESULTS NEEDED BY:

PROJECT:

SITE: Walker Mine

PROJECT #:

PROJECT MANAGER:

KEY FOR CHEMICAL ANALYSIS SAMPLE TYPE

BS - Biosolids
DW - Drinking Water
GW - Ground Water
SF - Surface Water
SL - Soil/Solid
ST - Storm Water
WW - Waste Water

ANALYSIS REQUESTED

LAB USE	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	Bi-d Grp #1 Diss metals Gen Min Total Cu, Zn, Fe, Al									(LAB USE - BOTTLES)
	16A Nye Ck 25N32Y	6/27/03	1200	SF	X									
	16B " "		"			X						HNO_3		
	17A N. Br. Wood 25N32Y		1104		X									
	17B " "		"			X						HNO_3		
	18A N Br Wood 25N32Y		1138		X									
	18B " "		"			X						HNO_3		
	~~19A Lee Vining Creek~~		No	t Sa	mp	le	Re	q						
	~~19B " "~~													
	20A LCC @ Forest		1347		X									
	20B " "	↓	"	↓		X						HNO_3		

COMMENTS: Use following Detection Limits: Cu - 0.001-0.005 mg/l; Zn - 0.002 mg/l; Fe - 0.050 mg/l; Al - 0.020 mg/l; As - 0.005 mg/l

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
Rob Busby	RWQCB	6/27/03	1715		

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

October 30, 2003

CLS Work Order #: CMJ0070
COC #: 42710,11,12,13

Rob Bushy
CRWQCB - Sacramento
3443 Routier Road
Sacramento, CA 95827

Project Name: Walker Mine

Enclosed are the results of analyses for samples received by the laboratory on 10/02/03 10:30. 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

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CMJ0070**
3443 Routier Road	Project Number: [none]	
Sacramento CA, 95827	Project Manager: Rob Bushy	COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1A Portal (CMJ0070-01) Water	**Sampled: 09/30/03 13:50**		**Received: 10/02/03 10:30**						
Total Alkalinity	**59**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**59**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.76**	0.50	"	"	CJ30202	10/02/03	10/02/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**1.7**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**170**	1.0	µmhos/cm	"	CJ30339	10/03/03	10/03/03	EPA 120.1	
Total Anions	**1.26**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.20**		"	"	"	"	"	"	
Ion Balance, RPD %	**2.00**		"	"	"	"	10/17/03	"	
Calcium	**12**	1.0	mg/L	"	CJ31604	10/16/03	10/16/03	200.7/2340B	
Magnesium	**4.7**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**5.0**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**50**	1.0	"	"	"	"	"	"	
pH	**7.60**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**96**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	
2A DC Upstream (CMJ0070-03) Water	**Sampled: 09/30/03 13:30**		**Received: 10/02/03 10:30**						
Total Alkalinity	**80**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**80**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.70**	0.50	"	"	CJ30202	10/02/03	10/02/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**0.79**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**160**	1.0	µmhos/cm	"	CJ30339	10/03/03	10/03/03	EPA 120.1	
Total Anions	**1.65**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.60**		"	"	"	"	"	"	
Ion Balance, RPD %	**2.00**		"	"	"	"	10/17/03	"	
Calcium	**16**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**8.1**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**3.0**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**74**	1.0	"	"	"	"	"	"	
pH	**7.89**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**92**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
3A DC Downstream (CMJ0070-05) Water	**Sampled: 09/30/03 13:50**		**Received: 10/02/03 10:30**						
Total Alkalinity	**83**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**83**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.80**	0.50	"	"	CJ30202	10/02/03	10/02/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**1.2**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.71**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.67**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.00**		"	"	"	"	10/17/03	"	
Calcium	**17**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**8.1**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**3.2**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**75**	1.0	"	"	"	"	"	"	
pH	**7.79**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**110**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	
4A DC @ 48' Culvert (CMJ0070-07) Water	**Sampled: 09/30/03 14:15**		**Received: 10/02/03 10:30**						
Total Alkalinity	**81**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**81**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.79**	0.50	"	"	CJ30202	10/02/03	10/02/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**1.2**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.66**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.68**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.00**		"	"	"	"	10/17/03	"	
Calcium	**17**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**8.3**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**3.2**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**77**	1.0	"	"	"	"	"	"	
pH	**8.07**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**98**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
5A LGC Upstream (CMJ0070-09) Water	**Sampled: 09/30/03 12:23**		**Received: 10/02/03 10:30**						
Total Alkalinity	**83**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**83**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.88**	0.50	"	"	CJ30202	10/02/03	10/02/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	ND	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.69**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.80**		"	"	"	"	"	"	
Ion Balance, RPD %	**3.00**		"	"	"	"	10/17/03	"	
Calcium	**18**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**7.6**	1.0	"	"	"	"	"	"	
Potassium	**1.6**	1.0	"	"	"	"	"	"	
Sodium	**4.9**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**75**	1.0	"	"	"	"	"	"	
pH	**7.95**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**110**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	
6A USFS Dam (CMJ0070-11) Water	**Sampled: 10/01/03 08:45**		**Received: 10/02/03 10:30**						
Total Alkalinity	**84**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**84**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.71**	0.50	"	"	CJ30227	10/02/03	10/03/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**3.7**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**160**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.78**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.80**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.00**		"	"	"	"	10/17/03	"	
Calcium	**19**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**8.1**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**3.8**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**81**	1.0	"	"	"	"	"	"	
pH	**7.97**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**120**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CMJ0070**
3443 Routier Road	Project Number: [none]	
Sacramento CA, 95827	Project Manager: Rob Bushy	COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
7A LGC Above DC (CMJ0070-13) Water	**Sampled: 10/01/03 08:50**		**Received: 10/02/03 10:30**						
Total Alkalinity	**82**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**82**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.72**	0.50	"	"	CJ30227	10/02/03	10/03/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**17**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**180**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**2.02**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**2.09**		"	"	"	"	"	"	
Ion Balance, RPD %	**2.00**		"	"	"	"	10/17/03	"	
Calcium	**25**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**6.4**	1.0	"	"	"	"	"	"	
Potassium	**1.9**	1.0	"	"	"	"	"	"	
Sodium	**5.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**90**	1.0	"	"	"	"	"	"	
pH	**7.77**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**120**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	
8A LGC Below DC (CMJ0070-15) Water	**Sampled: 10/01/03 08:55**		**Received: 10/02/03 10:30**						
Total Alkalinity	**87**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**87**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.81**	0.50	"	"	CJ30227	10/02/03	10/03/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**3.6**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**160**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.85**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.82**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.00**		"	"	"	"	10/17/03	"	
Calcium	**19**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**8.0**	1.0	"	"	"	"	"	"	
Potassium	**1.0**	1.0	"	"	"	"	"	"	
Sodium	**3.8**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**81**	1.0	"	"	"	"	"	"	
pH	**8.13**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**110**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	

California Laboratory Services

10/30/03 09:10

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CMJ0070**
3443 Routier Road	Project Number: [none]	
Sacramento CA, 95827	Project Manager: Rob Bushy	COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
9A LGC @ Brown's Cabin (CMJ0070-17) Water	**Sampled: 10/01/03 08:36**		**Received: 10/02/03 10:30**						
Total Alkalinity	**81**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**81**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.83**	0.50	"	"	CJ30227	10/02/03	10/03/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**11**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**180**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.88**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**2.02**		"	"	"	"	"	"	
Ion Balance, RPD %	**3.00**		"	"	"	"	10/17/03	"	
Calcium	**23**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**7.1**	1.0	"	"	"	"	"	"	
Potassium	**1.7**	1.0	"	"	"	"	"	"	
Sodium	**5.1**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**88**	1.0	"	"	"	"	"	"	
pH	**7.98**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**120**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	
10A LGC @ 25N054 (CMJ0070-19) Water	**Sampled: 09/30/03 16:42**		**Received: 10/02/03 10:30**						
Total Alkalinity	**84**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**84**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.92**	0.50	"	"	CJ30202	10/02/03	10/02/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**7.1**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**200**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.87**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.92**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.00**		"	"	"	"	10/17/03	"	
Calcium	**24**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**5.2**	1.0	"	"	"	"	"	"	
Potassium	**1.4**	1.0	"	"	"	"	"	"	
Sodium	**6.0**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**82**	1.0	"	"	"	"	"	"	
pH	**8.04**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**110**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
14A S. Br Ward 25N32Y (CMJ0070-21) Water	**Sampled: 09/30/03 16:02**		**Received: 10/02/03 10:30**						
Total Alkalinity	**140**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**140**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.87**	0.50	"	"	CJ30202	10/02/03	10/02/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**6.8**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**260**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**2.89**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**3.05**		"	"	"	"	"	"	
Ion Balance, RPD %	**3.00**		"	"	"	"	10/17/03	"	
Calcium	**52**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**3.8**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**3.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**150**	1.0	"	"	"	"	"	"	
pH	**7.99**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**160**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	
15A Mid Br Ward 25N32Y (CMJ0070-23) Water	**Sampled: 09/30/03 15:54**		**Received: 10/02/03 10:30**						
Total Alkalinity	**79**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**79**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.70**	0.50	"	"	CJ30202	10/02/03	10/02/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**0.78**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.62**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.62**		"	"	"	"	"	"	
Ion Balance, RPD %	0.00		"	"	"	"	10/17/03	"	
Calcium	**18**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**6.7**	1.0	"	"	"	"	"	"	
Potassium	**1.0**	1.0	"	"	"	"	"	"	
Sodium	**3.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**72**	1.0	"	"	"	"	"	"	
pH	**8.15**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**110**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	

California Laboratory Services

10/30/03 09:10

CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
16A Nye Ck 25N32Y (CMJ0070-25) Water	**Sampled: 09/30/03 15:46**		**Received: 10/02/03 10:30**						
Total Alkalinity	**82**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**82**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.70**	0.50	"	"	CJ30202	10/02/03	10/02/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	ND	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.66**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.61**		"	"	"	"	"	"	
Ion Balance, RPD %	**2.00**		"	"	"	"	10/17/03	"	
Calcium	**18**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**6.9**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**3.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**75**	1.0	"	"	"	"	"	"	
pH	**8.11**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**98**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	
17A N Br Ward 25N42Y (CMJ0070-27) Water	**Sampled: 09/30/03 14:46**		**Received: 10/02/03 10:30**						
Total Alkalinity	**86**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**86**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.75**	0.50	"	"	CJ30202	10/02/03	10/02/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**1.0**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**170**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.77**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.85**		"	"	"	"	"	"	
Ion Balance, RPD %	**2.00**		"	"	"	"	10/17/03	"	
Calcium	**20**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**7.8**	1.0	"	"	"	"	"	"	
Potassium	**1.8**	1.0	"	"	"	"	"	"	
Sodium	**3.7**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**81**	1.0	"	"	"	"	"	"	
pH	**8.00**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**100**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
18A N Br Ward 25N32Y (CMJ0070-29) Water	**Sampled: 09/30/03 15:28 Received: 10/02/03 10:30**								
Total Alkalinity	**86**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**86**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.72**	0.50	"	"	CJ30202	10/02/03	10/02/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**1.1**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.77**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.79**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.00**		"	"	"	"	10/17/03	"	
Calcium	**19**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**7.5**	1.0	"	"	"	"	"	"	
Potassium	**1.6**	1.0	"	"	"	"	"	"	
Sodium	**4.1**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**78**	1.0	"	"	"	"	"	"	
pH	**8.16**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**98**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	
19A Settling Pond (CMJ0070-31) Water	**Sampled: 10/01/03 08:15 Received: 10/02/03 10:30**								
Total Alkalinity	**32**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**32**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.79**	0.50	"	"	CJ30227	10/02/03	10/03/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**130**	5.0	"	10	"	"	"	"	
Specific Conductance (EC)	**320**	1.0	µmhos/cm	1	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**3.37**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**3.24**		"	"	"	"	"	"	
Ion Balance, RPD %	**2.00**		"	"	"	"	10/17/03	"	
Calcium	**40**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**8.6**	1.0	"	"	"	"	"	"	
Potassium	**4.1**	1.0	"	"	"	"	"	"	
Sodium	**9.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**130**	1.0	"	"	"	"	"	"	
pH	**7.81**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**260**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
21A 1C d/s LGC (CMJ0070-33) Water	**Sampled: 10/01/03 10:45**		**Received: 10/02/03 10:30**						
Total Alkalinity	**71**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**71**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**1.6**	0.50	"	"	CJ30227	10/02/03	10/03/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**2.9**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.53**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.56**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.00**		"	"	"	"	10/17/03	"	
Calcium	**16**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**5.1**	1.0	"	"	"	"	"	"	
Potassium	**1.0**	1.0	"	"	"	"	"	"	
Sodium	**6.9**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**62**	1.0	"	"	"	"	"	"	
pH	**7.59**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**92**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	
22A Indian Creek @ Rd. 112 (CMJ0070-35) Water	**Sampled: 10/01/03 09:55**		**Received: 10/02/03 10:30**						
Total Alkalinity	**70**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**70**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**1.7**	0.50	"	"	CJ30227	10/02/03	10/03/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**2.7**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.51**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.58**		"	"	"	"	"	"	
Ion Balance, RPD %	**2.00**		"	"	"	"	10/17/03	"	
Calcium	**16**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**5.1**	1.0	"	"	"	"	"	"	
Potassium	**1.6**	1.0	"	"	"	"	"	"	
Sodium	**7.2**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**60**	1.0	"	"	"	"	"	"	
pH	**7.62**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**94**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento
3443 Routier Road
Sacramento CA, 95827

Project: Walker Mine
Project Number: [none]
Project Manager: Rob Bushy

CLS Work Order #: CMJ0070

COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
23A 1C u/s LGC (CMJ0070-37) Water	**Sampled: 10/01/03 10:50**		**Received: 10/02/03 10:30**						
Total Alkalinity	**72**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**72**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**1.6**	0.50	"	"	CJ30227	10/02/03	10/03/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**2.9**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.54**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.64**		"	"	"	"	"	"	
Ion Balance, RPD %	**3.00**		"	"	"	"	10/17/03	"	
Calcium	**17**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**5.3**	1.0	"	"	"	"	"	"	
Potassium	**1.7**	1.0	"	"	"	"	"	"	
Sodium	**7.1**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**63**	1.0	"	"	"	"	"	"	
pH	**7.55**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**90**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	
24A LGC u/s IC (CMJ0070-39) Water	**Sampled: 10/01/03 10:55**		**Received: 10/02/03 10:30**						
Total Alkalinity	**80**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**80**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.80**	0.50	"	"	CJ30227	10/02/03	10/03/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**5.4**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**160**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.74**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.76**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.00**		"	"	"	"	10/17/03	"	
Calcium	**24**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**4.6**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**4.2**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**79**	1.0	"	"	"	"	"	"	
pH	**8.00**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**92**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	

California Laboratory Services

10/30/03 09:10

CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
25A Ward Creek @ Gerese (CMJ0070-41) Water	**Sampled: 10/01/03 10:13**		**Received: 10/02/03 10:30**						
Total Alkalinity	**82**	5.0	mg/L	1	CJ30639	10/06/03	10/06/03	EPA 310.1	
Bicarbonate as CaCO3	**82**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.77**	0.50	"	"	CJ30227	10/02/03	10/03/03	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**3.6**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**170**	1.0	µmhos/cm	"	CJ30640	10/06/03	10/06/03	EPA 120.1	
Total Anions	**1.75**		meq/L	"	CJ31712	10/02/03	10/17/03	NONE	
Total Cations	**1.81**		"	"	"	"	"	"	
Ion Balance, RPD %	**2.00**		"	"	"	"	10/17/03	"	
Calcium	**21**	1.0	mg/L	"	CJ31605	10/16/03	10/16/03	200.7/2340B	
Magnesium	**6.3**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**5.5**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**78**	1.0	"	"	"	"	"	"	
pH	**7.65**		pH Units	"	CJ30241	10/02/03	10/02/03	EPA 150.1	HT-1
Total Dissolved Solids	**100**	10	mg/L	"	CJ30621	10/06/03	10/07/03	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CMJ0070**
3443 Routier Road	Project Number: [none]	
Sacramento CA, 95827	Project Manager: Rob Bushy	COC #: 42710,11,12,13

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1B Portal (CMJ0070-02) Water Sampled: 09/30/03 13:50 Received: 10/02/03 10:30									
Arsenic	**9.6**	2.0	µg/L	1	CJ31523	10/15/03	10/16/03	EPA 6020	
Aluminum	ND	20	"	"	"	"	"	"	
Copper	**160**	5.0	"	"	"	"	"	"	
Iron	**160**	50	"	"	"	"	"	"	
Zinc	**46**	2.0	"	"	"	"	"	"	
2B DC Upstream (CMJ0070-04) Water Sampled: 09/30/03 13:30 Received: 10/02/03 10:30									
Aluminum	**50**	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	**4.9**	2.0	"	"	"	"	"	"	
3B DC Downstream (CMJ0070-06) Water Sampled: 09/30/03 13:50 Received: 10/02/03 10:30									
Aluminum	**65**	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	**19**	5.0	"	"	"	"	"	"	
Iron	**1300**	500	"	10	"	"	"	"	
Zinc	**13**	2.0	"	1	"	"	"	"	
4B DC @ 48' Culvert (CMJ0070-08) Water Sampled: 09/30/03 14:15 Received: 10/02/03 10:30									
Aluminum	ND	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	**13**	5.0	"	"	"	"	"	"	
Iron	**460**	50	"	"	"	"	"	"	
Zinc	**4.6**	2.0	"	"	"	"	"	"	
5B LGC Upstream (CMJ0070-10) Water Sampled: 09/30/03 12:23 Received: 10/02/03 10:30									
Aluminum	**180**	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	**870**	50	"	"	"	"	"	"	
Zinc	**12**	2.0	"	"	"	"	"	"	
6B USFS Dam (CMJ0070-12) Water Sampled: 10/01/03 08:45 Received: 10/02/03 10:30									
Aluminum	ND	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	**150**	5.0	"	"	"	"	"	"	
Iron	**640**	50	"	"	"	"	"	"	
Zinc	**23**	2.0	"	"	"	"	"	"	
7B LGC Above DC (CMJ0070-14) Water Sampled: 10/01/03 08:50 Received: 10/02/03 10:30									
Aluminum	ND	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	**820**	50	"	"	"	"	"	"	
Zinc	**3.3**	2.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
8B LGC Below DC (CMJ0070-16) Water	**Sampled: 10/01/03 08:55**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	**140**	5.0	"	"	"	"	"	"	
Iron	**600**	50	"	"	"	"	"	"	
Zinc	**15**	2.0	"	"	"	"	"	"	
9B LGC @ Brown's Cabin (CMJ0070-18) Water	**Sampled: 10/01/03 08:36**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	**47**	5.0	"	"	"	"	"	"	
Iron	**690**	50	"	"	"	"	"	"	
Zinc	**18**	2.0	"	"	"	"	"	"	
10B LGC @ 25N054 (CMJ0070-20) Water	**Sampled: 09/30/03 16:42**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	**6.8**	2.0	"	"	"	"	"	"	
14B S. Br Ward 25N32Y (CMJ0070-22) Water	**Sampled: 09/30/03 16:02**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
15B Mid Br Ward 25N32Y (CMJ0070-24) Water	**Sampled: 09/30/03 15:54**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
16B Nye Ck 25N32Y (CMJ0070-26) Water	**Sampled: 09/30/03 15:46**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	**3.6**	2.0	"	"	"	"	"	"	
17B N Br Ward 25N42Y (CMJ0070-28) Water	**Sampled: 09/30/03 14:46**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	**10**	2.0	"	"	"	"	"	"	
18B N Br Ward 25N32Y (CMJ0070-30) Water	**Sampled: 09/30/03 15:28**		**Received: 10/02/03 10:30**						

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
18B N Br Ward 25N32Y (CMJ0070-30) Water	**Sampled: 09/30/03 15:28**		**Received: 10/02/03 10:30**						
Aluminum	**32**	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	**3.4**	2.0	"	"	"	"	"	"	
19B Settling Pond (CMJ0070-32) Water	**Sampled: 10/01/03 08:15**		**Received: 10/02/03 10:30**						
Aluminum	**130**	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	**940**	5.0	"	"	"	"	"	"	
Iron	**760**	50	"	"	"	"	"	"	
Zinc	**110**	2.0	"	"	"	"	"	"	
21B 1C d/s LGC (CMJ0070-34) Water	**Sampled: 10/01/03 10:45**		**Received: 10/02/03 10:30**						
Aluminum	**31**	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	**390**	50	"	"	"	"	"	"	
Zinc	**6.2**	2.0	"	"	"	"	"	"	
22A Indian Creek @ Rd. 112 (CMJ0070-36) Water	**Sampled: 10/01/03 09:55**		**Received: 10/02/03 10:30**						
Aluminum	**33**	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	**430**	50	"	"	"	"	"	"	
Zinc	**2.0**	2.0	"	"	"	"	"	"	
23B 1C u/s LGC (CMJ0070-38) Water	**Sampled: 10/01/03 10:50**		**Received: 10/02/03 10:30**						
Aluminum	**25**	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	**370**	50	"	"	"	"	"	"	
Zinc	**2.0**	2.0	"	"	"	"	"	"	
24B LGC u/s IC (CMJ0070-40) Water	**Sampled: 10/01/03 10:55**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	**6.8**	2.0	"	"	"	"	"	"	
25B Ward Creek @ Gerese (CMJ0070-42) Water	**Sampled: 10/01/03 10:13**		**Received: 10/02/03 10:30**						
Aluminum	**22**	20	µg/L	1	CJ30828	10/08/03	10/10/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	**3.0**	2.0	"	"	"	"	"	"	

California Laboratory Services

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CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Metals (Dissolved) by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1A Portal (CMJ0070-01) Water Sampled: 09/30/03 13:50 Received: 10/02/03 10:30									
Arsenic	ND	2.0	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Aluminum	ND	20	"	"	"	"	"	"	
Copper	**110**	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Manganese	**13**	10	"	"	"	"	10/17/03	"	
Zinc	**60**	2.0	"	"	"	"	10/16/03	"	
2A DC Upstream (CMJ0070-03) Water Sampled: 09/30/03 13:30 Received: 10/02/03 10:30									
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	10/17/03	"	
Zinc	**18**	2.0	"	"	"	"	10/16/03	"	
3A DC Downstream (CMJ0070-05) Water Sampled: 09/30/03 13:50 Received: 10/02/03 10:30									
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	**14**	5.0	"	"	"	"	"	"	
Iron	**370**	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	10/17/03	"	
Zinc	**17**	2.0	"	"	"	"	10/16/03	"	
4A DC @ 48' Culvert (CMJ0070-07) Water Sampled: 09/30/03 14:15 Received: 10/02/03 10:30									
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	**11**	5.0	"	"	"	"	"	"	
Iron	**330**	50	"	"	"	"	"	"	
Manganese	**42**	10	"	"	"	"	10/17/03	"	
Zinc	**12**	2.0	"	"	"	"	10/16/03	"	
5A LGC Upstream (CMJ0070-09) Water Sampled: 09/30/03 12:23 Received: 10/02/03 10:30									
Aluminum	**24**	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	**550**	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	10/17/03	"	
Zinc	**12**	2.0	"	"	"	"	10/16/03	"	
6A USFS Dam (CMJ0070-11) Water Sampled: 10/01/03 08:45 Received: 10/02/03 10:30									
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	**100**	5.0	"	"	"	"	"	"	
Iron	**400**	50	"	"	"	"	"	"	
Manganese	**98**	10	"	"	"	"	10/17/03	"	
Zinc	**16**	2.0	"	"	"	"	10/16/03	"	

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CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Metals (Dissolved) by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
7A LGC Above DC (CMJ0070-13) Water	**Sampled: 10/01/03 08:50**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	**350**	50	"	"	"	"	"	"	
Manganese	**13**	10	"	"	"	"	10/17/03	"	
Zinc	**6.6**	2.0	"	"	"	"	10/16/03	"	
8A LGC Below DC (CMJ0070-15) Water	**Sampled: 10/01/03 08:55**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	**89**	5.0	"	"	"	"	"	"	
Iron	**370**	50	"	"	"	"	"	"	
Manganese	**76**	10	"	"	"	"	10/17/03	"	
Zinc	**12**	2.0	"	"	"	"	10/16/03	"	
9A LGC @ Brown's Cabin (CMJ0070-17) Water	**Sampled: 10/01/03 08:36**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	**31**	5.0	"	"	"	"	"	"	
Iron	**350**	50	"	"	"	"	"	"	
Manganese	**80**	10	"	"	"	"	10/17/03	"	
Zinc	**6.2**	2.0	"	"	"	"	10/16/03	"	
10A LGC @ 25N054 (CMJ0070-19) Water	**Sampled: 09/30/03 16:42**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	10/17/03	"	
Zinc	**8.1**	2.0	"	"	"	"	10/16/03	"	
14A S. Br Ward 25N32Y (CMJ0070-21) Water	**Sampled: 09/30/03 16:02**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	10/17/03	"	
Zinc	**4.4**	2.0	"	"	"	"	10/16/03	"	
15A Mid Br Ward 25N32Y (CMJ0070-23) Water	**Sampled: 09/30/03 15:54**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	10/17/03	"	
Zinc	**2.9**	2.0	"	"	"	"	10/16/03	"	
16A Nye Ck 25N32Y (CMJ0070-25) Water	**Sampled: 09/30/03 15:46**		**Received: 10/02/03 10:30**						

California Laboratory Services

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CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Metals (Dissolved) by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
16A Nye Ck 25N32Y (CMJ0070-25) Water	**Sampled: 09/30/03 15:46**			**Received: 10/02/03 10:30**					
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	10/17/03	"	
Zinc	**3.9**	2.0	"	"	"	"	10/16/03	"	
17A N Br Ward 25N42Y (CMJ0070-27) Water	**Sampled: 09/30/03 14:46**			**Received: 10/02/03 10:30**					
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	10/17/03	"	
Zinc	**3.0**	2.0	"	"	"	"	10/16/03	"	
18A N Br Ward 25N32Y (CMJ0070-29) Water	**Sampled: 09/30/03 15:28**			**Received: 10/02/03 10:30**					
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	10/17/03	"	
Zinc	**3.0**	2.0	"	"	"	"	10/16/03	"	
19A Settling Pond (CMJ0070-31) Water	**Sampled: 10/01/03 08:15**			**Received: 10/02/03 10:30**					
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	**270**	5.0	"	"	"	"	"	"	
Iron	**150**	50	"	"	"	"	"	"	
Manganese	**570**	10	"	"	"	"	10/17/03	"	
Zinc	**66**	2.0	"	"	"	"	10/16/03	"	
21A 1C d/s LGC (CMJ0070-33) Water	**Sampled: 10/01/03 10:45**			**Received: 10/02/03 10:30**					
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	**200**	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	10/17/03	"	
Zinc	**7.9**	2.0	"	"	"	"	10/16/03	"	
22A Indian Creek @ Rd. 112 (CMJ0070-35) Water	**Sampled: 10/01/03 09:55**			**Received: 10/02/03 10:30**					
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	**220**	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	10/17/03	"	
Zinc	**5.4**	2.0	"	"	"	"	10/16/03	"	
23A 1C u/s LGC (CMJ0070-37) Water	**Sampled: 10/01/03 10:50**			**Received: 10/02/03 10:30**					

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Metals (Dissolved) by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
23A 1C u/s LGC (CMJ0070-37) Water	**Sampled: 10/01/03 10:50**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	**290**	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	10/17/03	"	
Zinc	**6.3**	2.0	"	"	"	"	10/16/03	"	
24A LGC u/s IC (CMJ0070-39) Water	**Sampled: 10/01/03 10:55**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ31624	10/16/03	10/16/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	10/17/03	"	
Zinc	**3.4**	2.0	"	"	"	"	10/16/03	"	
25A Ward Creek @ Gerese (CMJ0070-41) Water	**Sampled: 10/01/03 10:13**		**Received: 10/02/03 10:30**						
Aluminum	ND	20	µg/L	1	CJ31625	10/16/03	10/17/03	EPA 6020	
Copper	ND	5.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Manganese	ND	10	"	"	"	"	"	"	
Zinc	**2.6**	2.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CMJ0070**
3443 Routier Road	Project Number: [none]	
Sacramento CA, 95827	Project Manager: Rob Bushy	COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CJ30202 - General Prep										
Blank (CJ30202-BLK1)				Prepared & Analyzed: 10/02/03						
Chloride	ND	0.50	mg/L							
Fluoride	ND	0.10	"							
Nitrate as NO3	ND	2.0	"							
Sulfate as SO4	ND	0.50	"							
LCS (CJ30202-BS1)				Prepared & Analyzed: 10/02/03						
Chloride	2.08	0.50	mg/L	2.00		104	80-120			
Fluoride	1.93	0.10	"	2.00		96.5	80-120			
Nitrate as NO3	1.95	2.0	"	2.00		97.5	80-120			
Sulfate as SO4	5.08	0.50	"	5.00		102	80-120			
LCS Dup (CJ30202-BSD1)				Prepared & Analyzed: 10/02/03						
Chloride	2.09	0.50	mg/L	2.00		104	80-120	0.480	25	
Fluoride	1.95	0.10	"	2.00		97.5	80-120	1.03	25	
Nitrate as NO3	1.96	2.0	"	2.00		98.0	80-120	0.512	25	
Sulfate as SO4	5.05	0.50	"	5.00		101	80-120	0.592	25	
Matrix Spike (CJ30202-MS1)		**Source: CMJ0031-01**		Prepared & Analyzed: 10/02/03						
Chloride	69.7	0.50	mg/L	2.00	71	NR	75-125			QM-4X
Fluoride	2.10	0.10	"	2.00	0.18	96.0	75-125			
Nitrate as NO3	46.1	2.0	"	2.00	46	5.00	75-125			QM-4X
Sulfate as SO4	31.4	0.50	"	5.00	26	108	75-125			
Matrix Spike Dup (CJ30202-MSD1)		**Source: CMJ0031-01**		Prepared & Analyzed: 10/02/03						
Chloride	69.9	0.50	mg/L	2.00	71	NR	75-125	0.287	30	QM-4X
Fluoride	2.20	0.10	"	2.00	0.18	101	75-125	4.65	30	
Nitrate as NO3	46.1	2.0	"	2.00	46	5.00	75-125	0.00	30	QM-4X
Sulfate as SO4	31.5	0.50	"	5.00	26	110	75-125	0.318	30	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CJ30227 - General Prep										
Blank (CJ30227-BLK1)				Prepared: 10/02/03 Analyzed: 10/03/03						
Chloride	ND	0.50	mg/L							
Fluoride	ND	0.10	"							
Nitrate as NO3	ND	2.0	"							
Sulfate as SO4	ND	0.50	"							
LCS (CJ30227-BS1)				Prepared: 10/02/03 Analyzed: 10/03/03						
Chloride	2.12	0.50	mg/L	2.00		106	80-120			
Fluoride	1.99	0.10	"	2.00		99.5	80-120			
Nitrate as NO3	1.99	2.0	"	2.00		99.5	80-120			
Sulfate as SO4	5.15	0.50	"	5.00		103	80-120			
LCS Dup (CJ30227-BSD1)				Prepared: 10/02/03 Analyzed: 10/03/03						
Chloride	2.12	0.50	mg/L	2.00		106	80-120	0.00	25	
Fluoride	1.99	0.10	"	2.00		99.5	80-120	0.00	25	
Nitrate as NO3	2.00	2.0	"	2.00		100	80-120	0.501	25	
Sulfate as SO4	5.14	0.50	"	5.00		103	80-120	0.194	25	
Matrix Spike (CJ30227-MS1)	**Source: CMJ0068-04**			Prepared & Analyzed: 10/02/03						
Chloride	142	0.50	mg/L	2.00	150	-400	75-125			QM-4X
Fluoride	2.36	0.10	"	2.00	0.44	96.0	75-125			
Nitrate as NO3	33.3	2.0	"	2.00	33	15.0	75-125			QM-4X
Sulfate as SO4	467	0.50	"	5.00	490	NR	75-125			QM-4X
Matrix Spike Dup (CJ30227-MSD1)	**Source: CMJ0068-04**			Prepared & Analyzed: 10/02/03						
Chloride	142	0.50	mg/L	2.00	150	-400	75-125	0.00	30	QM-4X
Fluoride	2.37	0.10	"	2.00	0.44	96.5	75-125	0.423	30	
Nitrate as NO3	33.2	2.0	"	2.00	33	10.0	75-125	0.301	30	QM-4X
Sulfate as SO4	466	0.50	"	5.00	490	NR	75-125	0.214	30	QM-4X

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CMJ0070**
3443 Routier Road	Project Number: [none]	
Sacramento CA, 95827	Project Manager: Rob Bushy	COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CJ30339 - General Preparation										
Blank (CJ30339-BLK1)				Prepared & Analyzed: 10/03/03						
Specific Conductance (EC)	ND	1.0	µmhos/cm							
Batch CJ30621 - General Preparation										
Blank (CJ30621-BLK1)				Prepared: 10/06/03 Analyzed: 10/07/03						
Total Dissolved Solids	ND	10	mg/L							
Batch CJ30639 - General Preparation										
Blank (CJ30639-BLK1)				Prepared & Analyzed: 10/06/03						
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	"							
Carbonate as CaCO3	ND	5.0	"							
Hydroxide as CaCO3	ND	5.0	"							
Blank (CJ30639-BLK2)				Prepared & Analyzed: 10/06/03						
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	"							
Carbonate as CaCO3	ND	5.0	"							
Hydroxide as CaCO3	ND	5.0	"							
Batch CJ30640 - General Preparation										
Blank (CJ30640-BLK1)				Prepared & Analyzed: 10/06/03						
Specific Conductance (EC)	ND	1.0	µmhos/cm							

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CMJ0070**
3443 Routier Road	Project Number: [none]	
Sacramento CA, 95827	Project Manager: Rob Bushy	COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CJ31604 - 6010A/No Digestion										
Blank (CJ31604-BLK1)				Prepared & Analyzed: 10/16/03						
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
Hardness as CaCO3	ND	1.0	"							
LCS (CJ31604-BS1)				Prepared & Analyzed: 10/16/03						
Calcium	9.87	1.0	mg/L	10.0		98.7	80-120			
Magnesium	9.41	1.0	"	10.0		94.1	80-120			
Potassium	9.38	1.0	"	10.0		93.8	80-120			
Sodium	9.49	1.0	"	10.0		94.9	80-120			
LCS Dup (CJ31604-BSD1)				Prepared & Analyzed: 10/16/03						
Calcium	10.1	1.0	mg/L	10.0		101	80-120	2.30	25	
Magnesium	9.59	1.0	"	10.0		95.9	80-120	1.89	25	
Potassium	9.45	1.0	"	10.0		94.5	80-120	0.743	25	
Sodium	9.62	1.0	"	10.0		96.2	80-120	1.36	25	
Matrix Spike (CJ31604-MS1)	**Source: CMJ0070-01**			Prepared & Analyzed: 10/16/03						
Calcium	23.5	1.0	mg/L	10.0	12	115	75-125			
Magnesium	15.6	1.0	"	10.0	4.7	109	75-125			
Potassium	11.7	1.0	"	10.0	0.92	108	75-125			
Sodium	15.9	1.0	"	10.0	5.0	109	75-125			
Matrix Spike Dup (CJ31604-MSD1)	**Source: CMJ0070-01**			Prepared & Analyzed: 10/16/03						
Calcium	23.2	1.0	mg/L	10.0	12	112	75-125	1.28	30	
Magnesium	15.3	1.0	"	10.0	4.7	106	75-125	1.94	30	
Potassium	11.4	1.0	"	10.0	0.92	105	75-125	2.60	30	
Sodium	15.6	1.0	"	10.0	5.0	106	75-125	1.90	30	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CMJ0070**
3443 Routier Road	Project Number: [none]	
Sacramento CA, 95827	Project Manager: Rob Bushy	COC #: 42710,11,12,13

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CJ31605 - 6010A/No Digestion										
Blank (CJ31605-BLK1)				Prepared & Analyzed: 10/16/03						
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
Hardness as CaCO3	ND	1.0	"							
LCS (CJ31605-BS1)				Prepared & Analyzed: 10/16/03						
Calcium	9.82	1.0	mg/L	10.0		98.2	80-120			
Magnesium	9.18	1.0	"	10.0		91.8	80-120			
Potassium	8.60	1.0	"	10.0		86.0	80-120			
Sodium	9.14	1.0	"	10.0		91.4	80-120			
LCS Dup (CJ31605-BSD1)				Prepared & Analyzed: 10/16/03						
Calcium	9.89	1.0	mg/L	10.0		98.9	80-120	0.710	25	
Magnesium	9.25	1.0	"	10.0		92.5	80-120	0.760	25	
Potassium	8.71	1.0	"	10.0		87.1	80-120	1.27	25	
Sodium	9.14	1.0	"	10.0		91.4	80-120	0.00	25	
Matrix Spike (CJ31605-MS1)	**Source: CMJ0070-03**			Prepared & Analyzed: 10/16/03						
Calcium	27.4	1.0	mg/L	10.0	16	114	75-125			
Magnesium	18.5	1.0	"	10.0	8.1	104	75-125			
Potassium	10.6	1.0	"	10.0	0.61	99.9	75-125			
Sodium	13.2	1.0	"	10.0	3.0	102	75-125			
Matrix Spike Dup (CJ31605-MSD1)	**Source: CMJ0070-03**			Prepared & Analyzed: 10/16/03						
Calcium	27.9	1.0	mg/L	10.0	16	119	75-125	1.81	30	
Magnesium	19.0	1.0	"	10.0	8.1	109	75-125	2.67	30	
Potassium	11.0	1.0	"	10.0	0.61	104	75-125	3.70	30	
Sodium	13.7	1.0	"	10.0	3.0	107	75-125	3.72	30	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

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 CJ30828 - EPA 3020A										
Blank (CJ30828-BLK1)				Prepared: 10/08/03 Analyzed: 10/10/03						
Aluminum	ND	20	µg/L							
Copper	ND	5.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CJ30828-BS1)				Prepared: 10/08/03 Analyzed: 10/10/03						
Aluminum	982	20	µg/L	1000		98.2	80-120			
Copper	974	5.0	"	1000		97.4	80-120			
Iron	985	50	"	1000		98.5	80-120			
Zinc	869	2.0	"	1000		86.9	80-120			
LCS Dup (CJ30828-BSD1)				Prepared: 10/08/03 Analyzed: 10/10/03						
Aluminum	1060	20	µg/L	1000		106	80-120	7.64	25	
Copper	1040	5.0	"	1000		104	80-120	6.55	25	
Iron	1080	50	"	1000		108	80-120	9.20	25	
Zinc	903	2.0	"	1000		90.3	80-120	3.84	25	
Matrix Spike (CJ30828-MS1)		**Source: CMJ0070-04**		Prepared: 10/08/03 Analyzed: 10/10/03						
Aluminum	1160	20	µg/L	1000	50	111	75-125			
Copper	1100	5.0	"	1000	0.29	110	75-125			
Iron	1200	50	"	1000	48	115	75-125			
Zinc	1010	2.0	"	1000	4.9	101	75-125			
Matrix Spike Dup (CJ30828-MSD1)		**Source: CMJ0070-04**		Prepared: 10/08/03 Analyzed: 10/10/03						
Aluminum	1030	20	µg/L	1000	50	98.0	75-125	11.9	30	
Copper	958	5.0	"	1000	0.29	95.8	75-125	13.8	30	
Iron	1080	50	"	1000	48	103	75-125	10.5	30	
Zinc	881	2.0	"	1000	4.9	87.6	75-125	13.6	30	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CMJ0070**
3443 Routier Road	Project Number: [none]	
Sacramento CA, 95827	Project Manager: Rob Bushy	COC #: 42710,11,12,13

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 CJ31523 - EPA 3020A										
Blank (CJ31523-BLK1)				Prepared: 10/15/03 Analyzed: 10/16/03						
Aluminum	ND	20	µg/L							
Arsenic	ND	2.0	"							
Copper	ND	5.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CJ31523-BS1)				Prepared: 10/15/03 Analyzed: 10/16/03						
Aluminum	99.8	20	µg/L	100		99.8	80-120			
Arsenic	88.2	2.0	"	100		88.2	80-120			
Copper	104	5.0	"	100		104	80-120			
Iron	111	50	"	100		111	80-120			
Zinc	97.0	2.0	"	100		97.0	80-120			
LCS Dup (CJ31523-BSD1)				Prepared: 10/15/03 Analyzed: 10/16/03						
Aluminum	107	20	µg/L	100		107	80-120	6.96	25	
Arsenic	95.9	2.0	"	100		95.9	80-120	8.37	20	
Copper	106	5.0	"	100		106	80-120	1.90	25	
Iron	114	50	"	100		114	80-120	2.67	25	
Zinc	97.0	2.0	"	100		97.0	80-120	0.00	25	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CMJ0070**
3443 Routier Road	Project Number: [none]	
Sacramento CA, 95827	Project Manager: Rob Bushy	COC #: 42710,11,12,13

Metals (Dissolved) 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 CJ31624 - EPA 3020A										
Blank (CJ31624-BLK1)				Prepared & Analyzed: 10/16/03						
Aluminum	ND	20	µg/L							
Arsenic	ND	2.0	"							
Copper	ND	5.0	"							
Iron	ND	50	"							
Manganese	ND	10	"							
Zinc	ND	2.0	"							
LCS (CJ31624-BS1)				Prepared & Analyzed: 10/16/03						
Aluminum	523	20	µg/L	500		105	80-120			
Arsenic	511	2.0	"	500		102	80-120			
Copper	548	5.0	"	500		110	80-120			
Iron	540	50	"	500		108	80-120			
Manganese	584	10	"	500		117	80-120			
Zinc	516	2.0	"	500		103	80-120			
LCS Dup (CJ31624-BSD1)				Prepared & Analyzed: 10/16/03						
Aluminum	462	20	µg/L	500		92.4	80-120	12.4	25	
Arsenic	455	2.0	"	500		91.0	80-120	11.6	20	
Copper	488	5.0	"	500		97.6	80-120	11.6	25	
Iron	479	50	"	500		95.8	80-120	12.0	25	
Manganese	566	10	"	500		113	80-120	3.13	25	
Zinc	466	2.0	"	500		93.2	80-120	10.2	25	
Matrix Spike (CJ31624-MS1)		**Source: CMJ0070-01**		Prepared & Analyzed: 10/16/03						
Aluminum	626	20	µg/L	500	7.2	124	75-125			
Arsenic	622	2.0	"	500	0.0	124	75-125			
Copper	747	5.0	"	500	110	127	75-125			QM-07
Iron	677	50	"	500	18	132	75-125			QM-07
Manganese	569	10	"	500	13	111	75-125			
Zinc	647	2.0	"	500	60	117	75-125			

California Laboratory Services

10/30/03 09:10

CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Metals (Dissolved) 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 CJ31624 - EPA 3020A										
Matrix Spike Dup (CJ31624-MSD1)	**Source: CMJ0070-01**			Prepared & Analyzed: 10/16/03						
Aluminum	516	20	µg/L	500	7.2	102	75-125	19.3	30	
Arsenic	511	2.0	"	500	0.0	102	75-125	19.6	25	
Copper	620	5.0	"	500	110	102	75-125	18.6	30	
Iron	552	50	"	500	18	107	75-125	20.3	30	
Manganese	579	10	"	500	13	113	75-125	1.74	30	
Zinc	537	2.0	"	500	60	95.4	75-125	18.6	30	
Batch CJ31625 - EPA 3020A										
Blank (CJ31625-BLK1)				Prepared: 10/16/03. Analyzed: 10/17/03						
Aluminum	ND	20	µg/L							
Copper	ND	5.0	"							
Iron	ND	50	"							
Manganese	ND	10	"							
Zinc	ND	2.0	"							
LCS (CJ31625-BS1)				Prepared: 10/16/03 Analyzed: 10/17/03						
Aluminum	88.1	20	µg/L	100		88.1	80-120			
Copper	93.7	5.0	"	100		93.7	80-120			
Iron	97.6	50	"	100		97.6	80-120			
Manganese	95.4	10	"	100		95.4	80-120			
Zinc	85.4	2.0	"	100		85.4	80-120			
LCS Dup (CJ31625-BSD1)				Prepared: 10/16/03 Analyzed: 10/17/03						
Aluminum	101	20	µg/L	100		101	80-120	13.6	25	
Copper	107	5.0	"	100		107	80-120	13.3	25	
Iron	114	50	"	100		114	80-120	15.5	25	
Manganese	110	10	"	100		110	80-120	14.2	25	
Zinc	97.5	2.0	"	100		97.5	80-120	13.2	25	

CALIFORNIA LABORATORY SERVICES

10/30/03 09:10

CRWQCB - Sacramento 3443 Routier Road Sacramento CA, 95827	Project: Walker Mine Project Number: [none] Project Manager: Rob Bushy	**CLS Work Order #: CMJ0070** COC #: 42710,11,12,13

Notes and Definitions

HT-1	The sample was received outside of the EPA recommended holding time.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
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

RDB

CALIFORNIA LABORATORY SERVICES

Fall 03

Environmental Chemistry

INVOICE

10/1/03

Invoice To:
Rob Bushy
CRWQCB - Sacramento
3443 Routier Road

Sacramento, CA 95827

PO Number
Contract # 3-040-150

Client
Rob Bushy
CRWQCB - Sacramento

Project Manager
Ray Oslowski

Invoice Number
3101110-CRWQCBSAC

Invoiced On:
10/29/03

Received
10/02/03

Terms
NET 30

Work Order(s)
CMJ0070

Remit To:
Accounts Receivable
CLS Labs
3249 Fitzgerald Rd.
Rancho Cordova, CA 95742

Project
Walker Mine

Project Number
[none]

Quantity	Analysis/Description	Matrix	Unit Cost	Extended Cost
1	As ICP/MS 6020 [10 day]	Water	$0.00	$0.00
1	As ICP/MS 6020 Diss [10 day]	Water	$0.00	$0.00
21	Filtration [10 day]	Water	$0.00	$0.00
21	General Mineral, BidGrp7 [10 day]	Water	$145.00	$3,045.00
21	Metals, CuZnFeAl by EPA 6020 [10 day]	Water	$0.00	$0.00
21	Metals, CuZnFeAlMn by EPA 6020 Diss [10 da	Water	$0.00	$0.00

Invoice Total: **$3,045.00**

RECEIVED
SACRAMENTO
CVRWQCB
03 NOV 13 PM 2:21

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; 2M JU070

LOG NO. 42710

REPORT TO:

NAME AND ADDRESS: CVRWQCB, 3443 Routier Rd Ste A, Sacramento CA

PROJECT MANAGER: Rob Busby PHONE# 916 255-3136

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION: Walker Mine

SITE LOCATION:

CLIENT JOB NUMBER:

DESTINATION LABORATORY:

☐ CLS (916) 638-7301, 3249 FITZGERALD RD., RANCHO CORDOVA, CA. 95742

☐ OTHER

FIELD CONDITIONS: contract # 03-040-150-0 PCA 131

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	ANALYSIS REQUESTED: Bill Grp 7 Diss metals General minerals	Total Cu, Zn, Fe, Al	Total Arsenic	Dissolved Arsenic	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY
9/30/03	1350	1A Portal	Water	2	P		X			X				
"	"	1B "		1		HNO_3		X	X					
"	1330	2A DC Upstream		2			X							
"	"	2B DC Upstream		1		X		X						
"	1350	3A DC Downstream		2			X							
"	"	3B "		1		X		X						
"	1415	4A DC @ 48" Culvert		2			X							
"	"	4B "		1		X		X						
"	1723	5A LGC Upstream		2			X							
"	"	5B "		1		X		X						
10/1/03	0845	6A USFS Dam		2			X							
	"	6B "		1		X		X						
	0850	7A LGC above DC		2			X							

SPECIAL INSTRUCTIONS: please use the following detection limits for all analyses:
Cu 0.001 - 0.005 mg/l
Zn 0.002 mg/L
Fe 0.050 mg/L
Al 0.020 mg/L
As 0.005 mg/L

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert Busby	Robert Busby	10/1/03 1630	Mary Hoe	CVRWQCB
Mary Hoe	RWQCB	10/02/03 10:00	[signature]	CONRHOO VR/CLS
[signature]	[signature]	10/2/03 10:30		

REC'D AT LAB BY: [signature] DATE / TIME: 10-2-03 1030 CONDITIONS / COMMENTS: 2°

SHIPPED BY: ☐ FED X ☐ UPS ☒ OTHER [signature] AIR BILL #

LAB

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.: 030070

LOG NO. 42711

REPORT TO:

NAME AND ADDRESS: CVRWQCB - Sac
3443 Routier Rd Ste A
Sacramento

PROJECT MANAGER: Rob Busby PHONE#: 916 255-3136

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER:

DESTINATION LABORATORY:

☐ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ OTHER

FIELD CONDITIONS:
Contract # 03-040-150-0
PCA 131

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES: HNO3	Diss Grp 7 Diss Mngnse, Sulphate, Conductivity	Total Cu, Zn, Fe, Al
10/1/03	0850	7B LGC above DC	Water	1	Plastic	X	~~X~~	X
	0855	8A LGC below DC		2			X	~~X~~
	"	8B "		1		X	~~X~~	X
	0836	9A LGC @ Brown's Cabin		2			X	~~X~~
	"	9B "		1		X	~~X~~	X
9/30/03	1642	10A LGC @ 25N05Y		2			X	~~X~~
"	"	10B "		1		X		X
Dry		~~11A S. Br. Wood Ck 25N42Y~~		~~2~~			~~X~~	
"		~~11B~~ "		~~1~~		~~X~~		~~X~~
Dry		~~12A Mid Br Wood 25N32Y~~		~~2~~			~~X~~	
"		~~12B~~ "		~~1~~		~~X~~		~~X~~
Dry		~~13A Nye Ck 25N42Y~~		~~2~~			~~X~~	
"		~~13B~~	↓	~~1~~	↓	~~X~~		~~X~~

TURN AROUND TIME: 1 DAY | 2 DAY | 5 DAY | 10 DAY

SPECIAL INSTRUCTIONS:

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

LAB

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert D Busby	Robert D. Busby	10/1/03 1630	Mary Hoff	CVRWQCB
Mary Hoff	CVRWQCB	10/02/03 10:00		
		10/2/03 1030		

RECD AT LAB BY: DATE / TIME: 10-2-03 1830

CONDITIONS / COMMENTS: 2°

SHIPPED BY: ☐ FED X ☐ UPS ☒ OTHER AIR BILL #

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; CUA 50070

LOG NO. 42712

REPORT TO:

NAME AND ADDRESS: CVRWQCB - Sac
3443 Routier Rd Ste A
Sacramento CA

PROJECT MANAGER: Rob Busby
PHONE#: (916) 255-3136

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION: Walker Mine

SITE LOCATION:

CLIENT JOB NUMBER:

DESTINATION LABORATORY:
☐ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ OTHER

FIELD CONDITIONS: contract # 03-040-150-0
PCA 131

COMPOSITE:

ANALYSIS REQUESTED

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES HNO3	Bio Grp / Diss metals General Minerals	Total Cu, Zn, Fe, Al	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS
9/30/03	1602	14A S. Br Ward 25N32Y	Water	2	P		X						
"	"	14B "		1		X		X					
9/30/30	1554	15A Mid Br Ward 25N32Y		2			X						
"	"	15B "		1		X		X					
9/30/03	1546	16A Nye Ck 25N32Y		2			X						
"	"	16B "		1		X		X					
9/30	1446	17A N Br Ward 25N42Y		2			X						
9/30	"	17B "		1		X		X					
9/30	1528	18A N Br Ward 25N32Y		2			X						INVOICE TO:
9/30	"	18B "		1		X		X					
10/1/03	0815	19A Settling Pond		2			X						P.O. #
"	"	19B "		1		X		X					
		~~20A EGC Far West~~											QUOTE #

Not Sampled

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert D Busby	Robert D. Busby	10/1/03 1630	Mary Hoe	CVRWQCB
Mary Hoe	CVRWQCB	10/02/03 10:00		CONRADO VR/CLS
[signature]	CLS	10/2/03 1030		

REC'D AT LAB BY: [signature]

DATE / TIME: 10-2-03 1030

CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☒ OTHER CLS

AIR BILL #

LAB

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.: 2M50070

LOG NO. 42713

REPORT TO:

NAME AND ADDRESS: CVRWQCB
3443 Routier Rd, Suite A
Sac, CA 95827

PROJECT MANAGER: Rob Busby PHONE#: 916-255-3136

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION: Walker Mine

SITE LOCATION

CLIENT JOB NUMBER

DESTINATION LABORATORY

☐ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ OTHER

FIELD CONDITIONS:
Contract # 03-040450
PCA 131

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	ANALYSIS REQUESTED: Std Group 7 DHS metals General minerals	ANALYSIS REQUESTED: Total Cu, Zn, Fe, Al
10/1/03	1045	21A IC d/s LGC	Water	2	P		X	
	"	21B "		1		HNO_3		X
	0955	22A Indian Crk Rd 112		2			X	
	"	22B "		1		HNO_3		X
	1050	23A IC u/s LGC		2			X	
	"	23B "		1		HNO_3		X
	1055	24A LGC u/s IC		2			X	
	"	24B "		1		HNO_3		X
	1013	25A Wards Crk. Geyser		2			X	
	"	25B " "		1		HNO_3		X

TURN AROUND TIME: 1 DAY | 2 DAY | 5 DAY | 10 DAY

SPECIAL INSTRUCTIONS

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

LAB

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
	Robert Busby	10/1/03 1630		
	CVRWQCB	10/2/03 10:00		CVRWQCB
		10/2/03 1038		

REC'D AT LAB BY:

DATE / TIME: 10-2-03 1038

CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☒ OTHER

AIR BILL #

RDB

CALIFORNIA LABORATORY SERVICES

Spring 04

Environmental Chemistry

INVOICE

6/3/04

Invoice To:
Rob Busby
CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200

Rancho Cordova, CA 95670-6114

PO Number
03-040-150-0

Client
Rob Busby
CRWQCB - Sacramento

Project Manager
Ray Oslowski

Invoice Number
4060268-CRWQCBSAC

Invoiced On:
06/09/04

Received
06/04/04

Terms
NET 30

Work Order(s)
CNF0156

Remit To:
Accounts Receivable
CLS Labs
3249 Fitzgerald Rd.
Rancho Cordova, CA 95742

Project
Walker Mine

Project Number
03-040-150-0

Quantity	Analysis/Description	Matrix	Unit Cost	Extended Cost
18	CRWQCB-BidGrp7 GM [10 day]	Water	$140.00	$2,520.00
1	CRWQCB-BidGrp7 Metals [10 day]	Water	$0.00	$0.00
18	CRWQCB-BidGrp7 Metals [10 day]	Water	$34.00	$612.00
17	CRWQCB-BidGrp7 Metals Diss [10 day]	Water	$0.00	$0.00

Invoice Total: $3,132.00

We Appreciate Your Business.

RECEIVED
SACRAMENTO
CVRWQCB
02 JUN 10 PM 2:20

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

June 29, 2004

CLS Work Order #: CNF0156
COC #: 42936,42940,42920

Rob Busby
CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200
Rancho Cordova, CA 95670-6114

Project Name: Walker Mine

Enclosed are the results of analyses for samples received by the laboratory on 06/04/04 10:15. 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

CLS Labs

CHAIN OF CUSTODY

CLS ID No.: _____

LOG NO. 42920

REPORT TO:

California Regional Water Quality Control Board
11020 Sun Center Drive, #200
Rancho Cordova, CA 95670-6114

NAME AND ADDRESS

PROJECT MANAGER: Rob Busby PHONE#: 916 464-4736

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 03-039-150-0

DESTINATION LABORATORY

☒ **CLS (916) 638-7301**
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ **OTHER**

PRESERVATIVES

ANALYSIS REQUESTED

Bid Group 7 + Dissolved
Total Elements & Metals

FIELD CONDITIONS:

COMPOSITE:

TURN AROUND TIME

1 DAY	2 DAY	5 DAY	10 DAY
			X

SPECIAL INSTRUCTIONS

Please use the following detection limits
Cu – 0.001 – 0.005 ppm
Zn – 0.002 ppm
Fe – 0.050 ppm
Al – 0.020 ppm
As – 0.005 ppm

INVOICE TO:

P.O. #

QUOTE #

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Bid Group 7 + Dissolved	Total Elements & Metals
6/3/04	09:40	5A Lcc upstream	Water	2	P		X	
	"	5B "		1		2		X
	11:10	1A Portal		2			X	
	"	1B "		1		2		X
	11:20	2A DC upstream		2			X	
	"	2B "		1		2		X
	11:35	3A DC Downstream		2			X	
	"	3B "		1		2		X
	11:45	4A DCD 48" Culvert		2			X	
	"	4B "		1		2		X
	12:22	6A USF S Dow		2			X	
	"	6B "		1		2		X

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Rob Busby Mary Hoe	Robert Busby CVRWQCB	6/3/03 2010 06/04/04 9:30	Mary Hoe	CVRWQCB CVRWQCB

REC'D AT LAB BY: | DATE / TIME: | CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER _____ AIR BILL #

LAB

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; CNF0156

LOG NO. 42940

REPORT TO:

NAME AND ADDRESS: CVRWQCB - Sac
11020 Sun Center Dr #200
Rancho Cordova CA 95670

PROJECT MANAGER: Rob Busby PHONE#: 916 464-4731

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 03-040-150-0

DESTINATION LABORATORY:

[X] CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

[ ] OTHER

ANALYSIS REQUESTED

FIELD CONDITIONS:

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES HNO3	Diss Metals Bid Grp 7 General Mineral	Total Cu, Zn, Fe, Al						TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS
6/3/04	1330	12 A Mid Br. Ward Ck 25N 42	Water	2	P		X										X	
	"	12 B "		1		X		X										
	12:30	7A LGC Above DC		2			X											
	"	7B "		1		X		X										
	12:40	8A LGC Below DC		2			X											
	"	8B "		1		X		X										
	12:05	9A LGC @ Brown Cabin		2			X											
	12:05	9B "		1		X		X										
	15:32	10A ~~S. Br. Ward Ck 25N42~~ LGC @ 25N05Y		2			X											INVOICE TO:
	"	10B "		1		X		X										
	13:20	11A S. Br. Ward Ck 25N42		2			X											
	"	11B "		1		X		X										P.O. #
																		QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert D Busby	Robert Busby	6/3/03 2010	[signature]	CVRWQCB
Mary Hoe	CVRWQCB	06/04/03 9:30		CONTAINER
[signature]	[signature]	6.4.4 1015		

REC'D AT LAB BY: [signature]

DATE / TIME: 6-4-04 1013

CONDITIONS / COMMENTS:

SHIPPED BY: [ ] FED X [ ] UPS [ ] OTHER _____ AIR BILL #

LAB

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; CNF0156

LOG NO. 42936

REPORT TO:

NAME AND ADDRESS
CVRWQCB - Sac
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

PROJECT MANAGER: Bob Busby PHONE#: 916 464-4731

PROJECT NAME: Walker Mine

SAMPLED BY: Bob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 03-03~~9~~-150-0

DESTINATION LABORATORY

☒ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ OTHER

PRESERVATIVES: HNO3

ANALYSIS REQUESTED: Diss Metals; Bld Grp & General Minerals; Total Cr, Zn, Fe, Al

FIELD CONDITIONS:

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Diss Metals	Bld Grp & General Minerals	Total Cr, Zn, Fe, Al
6/3/04	1325	13A Nye Ck 25N 42	Water	2	P		X		
	11	13B 11		1		X		X	
	1456	14A S. Br. Ward Ck 25N 32Y		2			X		
	11	14B 11		1		X		X	
	1443	15A M/d Br. Ward Ck 25N 32Y		2			X		
	11	15B 11		1		X		X	
	1438	16A Nye Ck 25N 32Y		2			X		
	11	16B 11		1		X		X	
	1347	17A N. Br. Ward Ck 25N 42		2			X		
	11	17B 11		1		X		X	
	1419	18A N. Br. Ward Ck 25N 32Y		2			X		
	1419	18B 11		1		X		X	

TURN AROUND TIME: 1 DAY ☐ 2 DAY ☐ 5 DAY ☐ 10 DAY ☒

SPECIAL INSTRUCTIONS

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert Busby	Robert Busby	6/3/03 2010	Mary Hoe	CVRWQCB
Mary Hoe	CVRWQCB	06/04/03 9:30		
	CLS	6.4.04 1015		

REC'D AT LAB BY:

DATE / TIME: 6-4-04 1015

CONDITIONS / COMMENTS: 3°

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER _____ AIR BILL #

LAB

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
5A LCC Upstream (CNF0156-01) Water	**Sampled: 06/03/04 09:40**		**Received: 06/04/04 10:15**						
Total Alkalinity	**38**	5.0	mg/L	1	CN04453	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**38**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.85**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**70**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**7.3**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**2.5**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.8**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**28**	1.0	"	"	"	"	"	"	
pH	**7.64**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**0.72**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**56**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
1A Portal (CNF0156-03) Water	**Sampled: 06/03/04 11:10**		**Received: 06/04/04 10:15**						
Total Alkalinity	**69**	5.0	mg/L	1	CN04453	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**69**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.94**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**130**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**12**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**4.6**	1.0	"	"	"	"	"	"	
Potassium	**1.0**	1.0	"	"	"	"	"	"	
Sodium	**8.9**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**50**	1.0	"	"	"	"	"	"	
pH	**7.98**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**1.5**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**100**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
2A DC Upstream (CNF0156-05) Water	**Sampled: 06/03/04 11:20**		**Received: 06/04/04 10:15**						
Total Alkalinity	**68**	5.0	mg/L	1	CN04453	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**68**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.76**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**120**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2A DC Upstream (CNF0156-05) Water	**Sampled: 06/03/04 11:20**		**Received: 06/04/04 10:15**						
Methylene Blue Active Substances	ND	0.10	mg/L	1	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**14**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**7.0**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**64**	1.0	"	"	"	"	"	"	
pH	**7.75**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	ND	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**89**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
3A DC Upstream (CNF0156-07) Water	**Sampled: 06/03/04 11:35**		**Received: 06/04/04 10:15**						
Total Alkalinity	**66**	5.0	mg/L	1	CN04453	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**66**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.90**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**120**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**14**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**6.4**	1.0	"	"	"	"	"	"	
Potassium	**1.1**	1.0	"	"	"	"	"	"	
Sodium	**2.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**60**	1.0	"	"	"	"	"	"	
pH	**7.73**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**2.1**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**82**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
4A DC @ 48" Culvert (CNF0156-09) Water	**Sampled: 06/03/04 11:45**		**Received: 06/04/04 10:15**						
Total Alkalinity	**64**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**64**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.83**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**120**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**13**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**6.2**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.4**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**59**	1.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4A DC @ 48" Culvert (CNF0156-09) Water	**Sampled: 06/03/04 11:45 Received: 06/04/04 10:15**								
pH	7.89		pH Units	1	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**2.1**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**89**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
6A USF S Dow (CNF0156-11) Water	**Sampled: 06/03/04 12:22 Received: 06/04/04 10:15**								
Total Alkalinity	**65**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**65**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.84**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**120**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**15**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**5.7**	1.0	"	"	"	"	"	"	
Potassium	**1.1**	1.0	"	"	"	"	"	"	
Sodium	**2.8**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**60**	1.0	"	"	"	"	"	"	
pH	7.88		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**6.9**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**110**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
12A Mid Br. Ward Ck 25N 42 (CNF0156-13) Water	**Sampled: 06/03/04 13:30 Received: 06/04/04 10:15**								
Total Alkalinity	**19**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**19**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.79**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**40**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**3.6**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**1.7**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	ND	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**16**	1.0	"	"	"	"	"	"	
pH	**6.53**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	ND	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**28**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
7A LGC Above DC (CNF0156-15) Water	**Sampled: 06/03/04 12:30 Received: 06/04/04 10:15**								
Total Alkalinity	**40**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**40**	5.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 03-040-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNF0156** COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
7A LGC Above DC (CNF0156-15) Water	**Sampled: 06/03/04 12:30**		**Received: 06/04/04 10:15**						
Carbonate as CaCO3	ND	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.84**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**78**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**8.2**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**2.4**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.8**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**30**	1.0	"	"	"	"	"	"	
pH	**7.64**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**1.9**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**63**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
8A LGC Below DC (CNF0156-17) Water	**Sampled: 06/03/04 12:40**		**Received: 06/04/04 10:15**						
Total Alkalinity	**46**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**46**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.82**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**82**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**9.6**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**3.1**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**37**	1.0	"	"	"	"	"	"	
pH	**7.79**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**3.0**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**71**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
9A LGC @ Brown Cabin (CNF0156-19) Water	**Sampled: 06/03/04 12:05**		**Received: 06/04/04 10:15**						
Total Alkalinity	**43**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**43**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	ND	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**83**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**9.1**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
9A LGC @ Brown Cabin (CNF0156-19) Water	**Sampled: 06/03/04 12:05**		**Received: 06/04/04 10:15**						
Magnesium	**2.8**	1.0	mg/L	1	CN04365	06/04/04	06/04/04	200.7/2340B	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.7**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**34**	1.0	"	"	"	"	"	"	
pH	7.77		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**2.5**	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**66**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
10 A LGC @ 25NO5Y (CNF0156-21) Water	**Sampled: 06/03/04 15:32**		**Received: 06/04/04 10:15**						
Total Alkalinity	**40**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**40**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.80**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**72**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**10**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**2.1**	1.0	"	"	"	"	"	"	
Potassium	**1.0**	1.0	"	"	"	"	"	"	
Sodium	**2.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**34**	1.0	"	"	"	"	"	"	
pH	7.77		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**2.1**	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**55**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
11A S Br. Ward Ck 25N42 (CNF0156-23) Water	**Sampled: 06/03/04 13:20**		**Received: 06/04/04 10:15**						
Total Alkalinity	**20**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**20**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.80**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**39**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**3.8**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**1.2**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**1.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**14**	1.0	"	"	"	"	"	"	
pH	7.35		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**1.3**	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
11A S Br. Ward Ck 25N42 (CNF0156-23) Water	**Sampled: 06/03/04 13:20**		**Received: 06/04/04 10:15**						
Total Dissolved Solids	**34**	10	mg/L	1	CN04448	06/08/04	06/08/04	EPA 160.1	
13A Nye Ck 25 N 42 (CNF0156-25) Water	**Sampled: 06/03/04 13:25**		**Received: 06/04/04 10:15**						
Total Alkalinity	**40**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**40**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.77**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**74**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**8.2**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**3.4**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**1.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**35**	1.0	"	"	"	"	"	"	
pH	**7.42**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	ND	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**66**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
14A S. Br. Ward Ck 25N 32Y (CNF0156-27) Water	**Sampled: 06/03/04 14:56**		**Received: 06/04/04 10:15**						
Total Alkalinity	**83**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**83**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.89**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**27**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**2.2**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**76**	1.0	"	"	"	"	"	"	
pH	**7.92**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**3.4**	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**98**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
15A Mid Br. Ward Ck 25N 32Y (CNF0156-29) Water	**Sampled: 06/03/04 14:47**		**Received: 06/04/04 10:15**						
Total Alkalinity	**50**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**50**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200
Rancho Cordova CA, 95670-6114

Project: Walker Mine
Project Number: 03-040-150-0
Project Manager: Rob Busby

CLS Work Order #: CNF0156

COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
15A Mid Br. Ward Ck 25N 32Y (CNF0156-29) Water	**Sampled: 06/03/04 14:47**			**Received: 06/04/04 10:15**					
Chloride	**0.84**	0.50	mg/L	1	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**92**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**11**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**4.3**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.0**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**46**	1.0	"	"	"	"	"	"	
pH	**7.97**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	ND	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**69**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
16A Nye Ck 25N 32Y (CNF0156-31) Water	**Sampled: 06/03/04 14:38**			**Received: 06/04/04 10:15**					
Total Alkalinity	**72**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**72**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.76**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**120**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**16**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**6.0**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**63**	1.0	"	"	"	"	"	"	
pH	**7.96**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	ND	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**90**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
17A N. Br. Ward Ck 25N42 (CNF0156-33) Water	**Sampled: 06/03/04 13:47**			**Received: 06/04/04 10:15**					
Total Alkalinity	**91**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**91**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.79**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**18**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**7.2**	1.0	"	"	"	"	"	"	
Potassium	**1.6**	1.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
17A N. Br. Ward Ck 25N42 (CNF0156-33) Water	**Sampled: 06/03/04 13:47**		**Received: 06/04/04 10:15**						
Sodium	**3.1**	1.0	mg/L	1	CN04365	06/04/04	06/04/04	200.7/2340B	
Hardness as CaCO3	**75**	1.0	"	"	"	"	"	"	
pH	**8.03**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**0.93**	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**110**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
18A N. Br. Ward Ck 25N 32Y (CNF0156-35) Water	**Sampled: 06/03/04 14:19**		**Received: 06/04/04 10:15**						
Total Alkalinity	**86**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**86**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.78**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**17**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**6.8**	1.0	"	"	"	"	"	"	
Potassium	**1.8**	1.0	"	"	"	"	"	"	
Sodium	**3.5**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**72**	1.0	"	"	"	"	"	"	
pH	**8.10**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**1.0**	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**100**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 03-040-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNF0156** COC #: 42936,42940,42920

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
5B LCC Upstream (CNF0156-02) Water	**Sampled: 06/03/04 09:40**		**Received: 06/04/04 10:15**						
Aluminum	**31**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**260**	50	"	"	"	"	"	"	
Zinc	**5.4**	2.0	"	"	"	"	"	"	
1B Portal (CNF0156-04) Water	**Sampled: 06/03/04 11:10**		**Received: 06/04/04 10:15**						
Aluminum	**100**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	**22**	5.0	"	"	"	"	"	"	
Copper	**290**	2.0	"	"	"	"	"	"	
Iron	**560**	50	"	"	"	"	"	"	
Zinc	**62**	2.0	"	"	"	"	"	"	
2B DC Upstream (CNF0156-06) Water	**Sampled: 06/03/04 11:20**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**150**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
3B DC Upstream (CNF0156-08) Water	**Sampled: 06/03/04 11:35**		**Received: 06/04/04 10:15**						
Aluminum	**74**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**83**	2.0	"	"	"	"	"	"	
Iron	**1800**	250	"	5	"	"	"	"	
Zinc	**9.0**	2.0	"	1	"	"	"	"	
4B DC @ 48" Culvert (CNF0156-10) Water	**Sampled: 06/03/04 11:45**		**Received: 06/04/04 10:15**						
Aluminum	**26**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**32**	2.0	"	"	"	"	"	"	
Iron	**520**	50	"	"	"	"	"	"	
Zinc	**5.8**	2.0	"	"	"	"	"	"	
6B USF S Dow (CNF0156-12) Water	**Sampled: 06/03/04 12:22**		**Received: 06/04/04 10:15**						
Aluminum	**42**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**440**	2.0	"	"	"	"	"	"	
Iron	**930**	50	"	"	"	"	"	"	
Zinc	**30**	2.0	"	"	"	"	"	"	
12B Mid Br. Ward Ck 25N 42 (CNF0156-14) Water	**Sampled: 06/03/04 13:30**		**Received: 06/04/04 10:15**						

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
12B Mid Br. Ward Ck 25N 42 (CNF0156-14) Water	**Sampled: 06/03/04 13:30**		**Received: 06/04/04 10:15**						
Aluminum	**34**	20	µg/L	1	CN04570	06/11/04	06/16/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**6.1**	2.0	"	"	"	"	"	"	
Iron	**52**	50	"	"	"	"	"	"	
Zinc	**2.4**	2.0	"	"	"	"	"	"	
7B LGC Above DC (CNF0156-16) Water	**Sampled: 06/03/04 12:30**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04570	06/11/04	06/16/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**340**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
8B LGC Below DC (CNF0156-18) Water	**Sampled: 06/03/04 12:40**		**Received: 06/04/04 10:15**						
Aluminum	**25**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**89**	2.0	"	"	"	"	"	"	
Iron	**420**	50	"	"	"	"	"	"	
Zinc	**11**	2.0	"	"	"	"	"	"	
9B LGC @ Brown Cabin (CNF0156-20) Water	**Sampled: 06/03/04 12:05**		**Received: 06/04/04 10:15**						
Aluminum	**26**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**53**	2.0	"	"	"	"	"	"	
Iron	**400**	50	"	"	"	"	"	"	
Zinc	**3.8**	2.0	"	"	"	"	"	"	
10B LGC @ 25NO5Y (CNF0156-22) Water	**Sampled: 06/03/04 15:32**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**6.9**	2.0	"	"	"	"	"	"	
Iron	**140**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
11B S Br. Ward Ck 25N42 (CNF0156-24) Water	**Sampled: 06/03/04 13:20**		**Received: 06/04/04 10:15**						
Aluminum	**23**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**4.6**	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	**3.0**	2.0	"	"	"	"	"	"	
13B Nye Ck 25 N 42 (CNF0156-26) Water	**Sampled: 06/03/04 13:25**		**Received: 06/04/04 10:15**						

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
13B Nye Ck 25 N 42 (CNF0156-26) Water	**Sampled: 06/03/04 13:25**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**91**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
14B S. Br. Ward Ck 25N 32Y (CNF0156-28) Water	**Sampled: 06/03/04 14:56**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**280**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
15B Mid Br. Ward Ck 25N 32Y (CNF0156-30) Water	**Sampled: 06/03/04 14:47**		**Received: 06/04/04 10:15**						
Aluminum	**27**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**140**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
16B Nye Ck 25N 32Y (CNF0156-32) Water	**Sampled: 06/03/04 14:38**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**160**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
17B N. Br. Ward Ck 25N42 (CNF0156-34) Water	**Sampled: 06/03/04 13:47**		**Received: 06/04/04 10:15**						
Aluminum	**26**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**210**	50	"	"	"	"	"	"	
Zinc	**6.1**	2.0	"	"	"	"	"	"	
18B N. Br. Ward Ck 25N 32Y (CNF0156-36) Water	**Sampled: 06/03/04 14:19**		**Received: 06/04/04 10:15**						
Aluminum	**30**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**220**	50	"	"	"	"	"	"	
Zinc	**2.3**	2.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
5A LCC Upstream (CNF0156-01) Water	**Sampled: 06/03/04 09:40**		**Received: 06/04/04 10:15**						
Aluminum	**26**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**280**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
1A Portal (CNF0156-03) Water	**Sampled: 06/03/04 11:10**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	**18**	5.0	"	"	"	"	"	"	
Copper	**93**	2.0	"	"	"	"	"	"	
Iron	**160**	50	"	"	"	"	"	"	
Zinc	**28**	2.0	"	"	"	"	"	"	
2A DC Upstream (CNF0156-05) Water	**Sampled: 06/03/04 11:20**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN05027	06/28/04	06/28/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**150**	50	"	"	"	"	"	"	
Zinc	**16**	2.0	"	"	"	"	"	"	
3A DC Upstream (CNF0156-07) Water	**Sampled: 06/03/04 11:35**		**Received: 06/04/04 10:15**						
Aluminum	**24**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**27**	2.0	"	"	"	"	"	"	
Iron	**470**	50	"	"	"	"	"	"	
Zinc	**3.4**	2.0	"	"	"	"	"	"	
4A DC @ 48" Culvert (CNF0156-09) Water	**Sampled: 06/03/04 11:45**		**Received: 06/04/04 10:15**						
Aluminum	**21**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**28**	2.0	"	"	"	"	"	"	
Iron	**440**	50	"	"	"	"	"	"	
Zinc	**2.0**	2.0	"	"	"	"	"	"	
6A USF S Dow (CNF0156-11) Water	**Sampled: 06/03/04 12:22**		**Received: 06/04/04 10:15**						
Aluminum	**40**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**440**	2.0	"	"	"	"	"	"	
Iron	**890**	50	"	"	"	"	"	"	
Zinc	**17**	2.0	"	"	"	"	"	"	
12A Mid Br. Ward Ck 25N 42 (CNF0156-13) Water	**Sampled: 06/03/04 13:30**		**Received: 06/04/04 10:15**						

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
12A Mid Br. Ward Ck 25N 42 (CNF0156-13) Water	**Sampled: 06/03/04 13:30**		**Received: 06/04/04 10:15**						
Aluminum	**37**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**3.2**	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
7A LGC Above DC (CNF0156-15) Water	**Sampled: 06/03/04 12:30**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04570	06/11/04	06/16/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**320**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
8A LGC Below DC (CNF0156-17) Water	**Sampled: 06/03/04 12:40**		**Received: 06/04/04 10:15**						
Aluminum	**21**	20	µg/L	1	CN04570	06/11/04	06/16/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**93**	2.0	"	"	"	"	"	"	
Iron	**440**	50	"	"	"	"	"	"	
Zinc	**4.8**	2.0	"	"	"	"	"	"	
9A LGC @ Brown Cabin (CNF0156-19) Water	**Sampled: 06/03/04 12:05**		**Received: 06/04/04 10:15**						
Aluminum	**24**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**47**	2.0	"	"	"	"	"	"	
Iron	**340**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
10 A LGC @ 25NO5Y (CNF0156-21) Water	**Sampled: 06/03/04 15:32**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**5.9**	2.0	"	"	"	"	"	"	
Iron	**140**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
11A S Br. Ward Ck 25N42 (CNF0156-23) Water	**Sampled: 06/03/04 13:20**		**Received: 06/04/04 10:15**						
Aluminum	**22**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**4.5**	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
13A Nye Ck 25 N 42 (CNF0156-25) Water	**Sampled: 06/03/04 13:25**		**Received: 06/04/04 10:15**						

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
13A Nye Ck 25 N 42 (CNF0156-25) Water Sampled: 06/03/04 13:25 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**76**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
14A S. Br. Ward Ck 25N 32Y (CNF0156-27) Water Sampled: 06/03/04 14:56 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**280**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
15A Mid Br. Ward Ck 25N 32Y (CNF0156-29) Water Sampled: 06/03/04 14:47 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**130**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
16A Nye Ck 25N 32Y (CNF0156-31) Water Sampled: 06/03/04 14:38 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**160**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
17A N. Br. Ward Ck 25N42 (CNF0156-33) Water Sampled: 06/03/04 13:47 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**180**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
18A N. Br. Ward Ck 25N 32Y (CNF0156-35) Water Sampled: 06/03/04 14:19 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**190**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04363 - General Prep										
Blank (CN04363-BLK1)				Prepared: 06/04/04 Analyzed: 06/05/04						
Chloride	ND	0.50	mg/L							
Sulfate as SO4	ND	0.50	"							
LCS (CN04363-BS1)				Prepared: 06/04/04 Analyzed: 06/05/04						
Chloride	2.18	0.50	mg/L	2.00		109	80-120			
Sulfate as SO4	4.68	0.50	"	5.00		93.6	80-120			
LCS Dup (CN04363-BSD1)				Prepared: 06/04/04 Analyzed: 06/05/04						
Chloride	2.19	0.50	mg/L	2.00		110	80-120	0.458	25	
Sulfate as SO4	4.67	0.50	"	5.00		93.4	80-120	0.214	25	
Matrix Spike (CN04363-MS1)		**Source: CNF0156-35**		Prepared: 06/04/04 Analyzed: 06/05/04						
Chloride	2.66	0.50	mg/L	2.00	0.78	94.0	75-125			
Sulfate as SO4	5.17	0.50	"	5.00	1.0	83.4	75-125			
Matrix Spike Dup (CN04363-MSD1)		**Source: CNF0156-35**		Prepared: 06/04/04 Analyzed: 06/05/04						
Chloride	2.59	0.50	mg/L	2.00	0.78	90.5	75-125	2.67	25	
Sulfate as SO4	5.05	0.50	"	5.00	1.0	81.0	75-125	2.35	25	
Batch CN04365 - 6010A/No Digestion										
Blank (CN04365-BLK1)				Prepared & Analyzed: 06/04/04						
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
Hardness as CaCO3	ND	1.0	"							

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04365 - 6010A/No Digestion										
LCS (CN04365-BS1)				Prepared & Analyzed: 06/04/04						
Calcium	10.7	1.0	mg/L	10.0		107	80-120			
Magnesium	9.98	1.0	"	10.0		99.8	80-120			
Potassium	9.45	1.0	"	10.0		94.5	80-120			
Sodium	9.70	1.0	"	10.0		97.0	80-120			
LCS Dup (CN04365-BSD1)				Prepared & Analyzed: 06/04/04						
Calcium	10.6	1.0	mg/L	10.0		106	80-120	0.939	25	
Magnesium	9.84	1.0	"	10.0		98.4	80-120	1.41	25	
Potassium	9.27	1.0	"	10.0		92.7	80-120	1.92	25	
Sodium	9.54	1.0	"	10.0		95.4	80-120	1.66	25	
Matrix Spike (CN04365-MS1)		**Source: CNF0127-01**		Prepared & Analyzed: 06/04/04						
Calcium	33.5	1.0	mg/L	10.0	24	95.0	75-125			
Magnesium	33.0	1.0	"	10.0	24	90.0	75-125			
Potassium	10.5	1.0	"	10.0	1.8	87.0	75-125			
Sodium	66.1	1.0	"	10.0	58	81.0	75-125			
Matrix Spike Dup (CN04365-MSD1)		**Source: CNF0127-01**		Prepared & Analyzed: 06/04/04						
Calcium	34.5	1.0	mg/L	10.0	24	105	75-125	2.94	30	
Magnesium	34.0	1.0	"	10.0	24	100	75-125	2.99	30	
Potassium	12.1	1.0	"	10.0	1.8	103	75-125	14.2	30	
Sodium	66.7	1.0	"	10.0	58	87.0	75-125	0.904	30	
Batch CN04375 - General Preparation										
Blank (CN04375-BLK1)				Prepared & Analyzed: 06/04/04						
Methylene Blue Active Substances	ND	0.10	mg/L							

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04375 - General Preparation										
LCS (CN04375-BS1)				Prepared & Analyzed: 06/04/04						
Methylene Blue Active Substances	0.485	0.10	mg/L	0.500		97.0	80-120			
LCS Dup (CN04375-BSD1)				Prepared & Analyzed: 06/04/04						
Methylene Blue Active Substances	0.495	0.10	mg/L	0.500		99.0	80-120	2.04	20	
Matrix Spike (CN04375-MS1)		Source: CNF0127-01		Prepared & Analyzed: 06/04/04						
Methylene Blue Active Substances	0.503	0.10	mg/L	0.500	ND	101	75-125			
Matrix Spike Dup (CN04375-MSD1)		Source: CNF0127-01		Prepared & Analyzed: 06/04/04						
Methylene Blue Active Substances	0.508	0.10	mg/L	0.500	ND	102	75-125	0.989	25	
Batch CN04378 - General Preparation										
Blank (CN04378-BLK1)				Prepared & Analyzed: 06/04/04						
Specific Conductance (EC)	ND	1.0	µmhos/cm							
Batch CN04448 - General Preparation										
Blank (CN04448-BLK1)				Prepared & Analyzed: 06/08/04						
Total Dissolved Solids	ND	10	mg/L							
Batch CN04453 - General Preparation										
Blank (CN04453-BLK1)				Prepared & Analyzed: 06/07/04						
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	"							
Carbonate as CaCO3	ND	5.0	"							
Hydroxide as CaCO3	ND	5.0	"							

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04454 - General Preparation										
Blank (CN04454-BLK1)				Prepared & Analyzed: 06/08/04						
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	"							
Carbonate as CaCO3	ND	5.0	"							
Hydroxide as CaCO3	ND	5.0	"							

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04570 - EPA 3020A										
Blank (CN04570-BLK1)				Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CN04570-BS1)				Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	128	20	µg/L	100		128	80-120			QM-08
Arsenic	92.2	5.0	"	100		92.2	80-120			
Copper	96.0	2.0	"	100		96.0	80-120			
Iron	95.4	50	"	100		95.4	80-120			
Zinc	92.0	2.0	"	100		92.0	80-120			
LCS Dup (CN04570-BSD1)				Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	126	20	µg/L	100		126	80-120	1.57	25	QM-08
Arsenic	95.2	5.0	"	100		95.2	80-120	3.20	25	
Copper	99.3	2.0	"	100		99.3	80-120	3.38	25	
Iron	104	50	"	100		104	80-120	8.63	25	
Zinc	101	2.0	"	100		101	80-120	9.33	25	
Matrix Spike (CN04570-MS1)		**Source: CNF0175-05**		Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	162	20	µg/L	100	48	114	75-125			
Arsenic	103	5.0	"	100	ND	103	75-125			
Copper	94.8	2.0	"	100	12	82.8	75-125			
Iron	5270	50	"	100	4800	470	75-125			QM-07
Zinc	94.6	2.0	"	100	13	81.6	75-125			
Matrix Spike Dup (CN04570-MSD1)		**Source: CNF0175-05**		Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	164	20	µg/L	100	48	116	75-125	1.23	30	
Arsenic	105	5.0	"	100	ND	105	75-125	1.92	30	
Copper	97.4	2.0	"	100	12	85.4	75-125	2.71	30	
Iron	5510	50	"	100	4800	710	75-125	4.45	30	QM-07
Zinc	96.2	2.0	"	100	13	83.2	75-125	1.68	30	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04573 - EPA 3020A										
Blank (CN04573-BLK1)				Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CN04573-BS1)				Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	608	20	µg/L	500		122	80-120			QM-08
Arsenic	580	5.0	"	500		116	80-120			
Copper	581	2.0	"	500		116	80-120			
Iron	590	50	"	500		118	80-120			
Zinc	552	2.0	"	500		110	80-120			
LCS Dup (CN04573-BSD1)				Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	614	20	µg/L	500		123	80-120	0.982	25	QM-08
Arsenic	586	5.0	"	500		117	80-120	1.03	25	
Copper	582	2.0	"	500		116	80-120	0.172	25	
Iron	594	50	"	500		119	80-120	0.676	25	
Zinc	549	2.0	"	500		110	80-120	0.545	25	
Matrix Spike (CN04573-MS1)	**Source: CNF0156-18**			Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	579	20	µg/L	500	25	111	75-125			
Arsenic	532	5.0	"	500	0.99	106	75-125			
Copper	595	2.0	"	500	89	101	75-125			
Iron	922	50	"	500	420	100	75-125			
Zinc	505	2.0	"	500	11	98.8	75-125			
Matrix Spike Dup (CN04573-MSD1)	**Source: CNF0156-18**			Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	545	20	µg/L	500	25	104	75-125	6.05	30	
Arsenic	498	5.0	"	500	0.99	99.4	75-125	6.60	30	
Copper	564	2.0	"	500	89	95.0	75-125	5.35	30	
Iron	885	50	"	500	420	93.0	75-125	4.10	30	
Zinc	470	2.0	"	500	11	91.8	75-125	7.18	30	

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04570 - EPA 3020A										
Blank (CN04570-BLK1)				Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CN04570-BS1)				Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	128	20	µg/L	100		128	80-120			QM-08
Arsenic	92.2	5.0	"	100		92.2	80-120			
Copper	96.0	2.0	"	100		96.0	80-120			
Iron	95.4	50	"	100		95.4	80-120			
Zinc	92.0	2.0	"	100		92.0	80-120			
LCS Dup (CN04570-BSD1)				Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	126	20	µg/L	100		126	80-120	1.57	25	QM-08
Arsenic	95.2	5.0	"	100		95.2	80-120	3.20	25	
Copper	99.3	2.0	"	100		99.3	80-120	3.38	25	
Iron	104	50	"	100		104	80-120	8.63	25	
Zinc	101	2.0	"	100		101	80-120	9.33	25	
Matrix Spike (CN04570-MS1)		**Source: CNF0175-05**		Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	162	20	µg/L	100	48	114	75-125			
Arsenic	103	5.0	"	100	ND	103	75-125			
Copper	94.8	2.0	"	100	12	82.8	75-125			
Iron	5270	50	"	100	4800	470	75-125			QM-07
Zinc	94.6	2.0	"	100	13	81.6	75-125			
Matrix Spike Dup (CN04570-MSD1)		**Source: CNF0175-05**		Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	164	20	µg/L	100	48	116	75-125	1.23	30	
Arsenic	105	5.0	"	100	ND	105	75-125	1.92	30	
Copper	97.4	2.0	"	100	12	85.4	75-125	2.71	30	
Iron	5510	50	"	100	4800	710	75-125	4.45	30	QM-07
Zinc	96.2	2.0	"	100	13	83.2	75-125	1.68	30	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 03-040-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNF0156** COC #: 42936,42940,42920

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04573 - EPA 3020A										
Blank (CN04573-BLK1)				Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CN04573-BS1)				Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	608	20	µg/L	500		122	80-120			QM-08
Arsenic	580	5.0	"	500		116	80-120			
Copper	581	2.0	"	500		116	80-120			
Iron	590	50	"	500		118	80-120			
Zinc	552	2.0	"	500		110	80-120			
LCS Dup (CN04573-BSD1)				Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	614	20	µg/L	500		123	80-120	0.982	25	QM-08
Arsenic	586	5.0	"	500		117	80-120	1.03	25	
Copper	582	2.0	"	500		116	80-120	0.172	25	
Iron	594	50	"	500		119	80-120	0.676	25	
Zinc	549	2.0	"	500		110	80-120	0.545	25	
Matrix Spike (CN04573-MS1)		**Source: CNF0156-18**		Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	579	20	µg/L	500	25	111	75-125			
Arsenic	532	5.0	"	500	0.99	106	75-125			
Copper	595	2.0	"	500	89	101	75-125			
Iron	922	50	"	500	420	100	75-125			
Zinc	505	2.0	"	500	11	98.8	75-125			
Matrix Spike Dup (CN04573-MSD1)		**Source: CNF0156-18**		Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	545	20	µg/L	500	25	104	75-125	6.05	30	
Arsenic	498	5.0	"	500	0.99	99.4	75-125	6.60	30	
Copper	564	2.0	"	500	89	95.0	75-125	5.35	30	
Iron	885	50	"	500	420	93.0	75-125	4.10	30	
Zinc	470	2.0	"	500	11	91.8	75-125	7.18	30	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 03-040-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNF0156** COC #: 42936,42940,42920

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN05027 - EPA 3020A										
Blank (CN05027-BLK1)				Prepared & Analyzed: 06/28/04						
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CN05027-BS1)				Prepared & Analyzed: 06/28/04						
Aluminum	140	20	µg/L	100		140	80-120			QM-08
Arsenic	100	5.0	"	100		100	80-120			
Copper	102	2.0	"	100		102	80-120			
Iron	113	50	"	100		113	80-120			
Zinc	99.6	2.0	"	100		99.6	80-120			
LCS Dup (CN05027-BSD1)				Prepared & Analyzed: 06/28/04						
Aluminum	127	20	µg/L	100		127	80-120	9.74	25	QM-08
Arsenic	96.2	5.0	"	100		96.2	80-120	3.87	25	
Copper	96.3	2.0	"	100		96.3	80-120	5.75	25	
Iron	91.1	50	"	100		91.1	80-120	21.5	25	
Zinc	93.7	2.0	"	100		93.7	80-120	6.10	25	
Matrix Spike (CN05027-MS1)	**Source: CNF0850-01**			Prepared & Analyzed: 06/28/04						
Aluminum	97.6	20	µg/L	100	1.1	96.5	75-125			
Arsenic	103	5.0	"	100	ND	103	75-125			
Copper	326	2.0	"	100	220	106	75-125			
Iron	519	50	"	100	390	129	75-125			QM-07
Zinc	111	2.0	"	100	15	96.0	75-125			
Matrix Spike Dup (CN05027-MSD1)	**Source: CNF0850-01**			Prepared & Analyzed: 06/28/04						
Aluminum	95.8	20	µg/L	100	1.1	94.7	75-125	1.86	30	
Arsenic	99.8	5.0	"	100	ND	99.8	75-125	3.16	30	
Copper	316	2.0	"	100	220	96.0	75-125	3.12	30	
Iron	497	50	"	100	390	107	75-125	4.33	30	
Zinc	115	2.0	"	100	15	100	75-125	3.54	30	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
QM-08	The spike recovery was outside acceptance limits for the LCS or LCSD. The batch was accepted based on acceptable MS/MSD recoveries & RPD's.
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

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

June 29, 2004

CLS Work Order #: CNF0156
COC #: 42936,42940,42920

Rob Busby
CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200
Rancho Cordova, CA 95670-6114

Project Name: Walker Mine

Enclosed are the results of analyses for samples received by the laboratory on 06/04/04 10:15. 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

CLS Labs

CHAIN OF CUSTODY

CLS ID No.: _____

LOG NO. 42920

REPORT TO:

California Regional Water Quality Control Board
11020 Sun Center Drive, #200
Rancho Cordova, CA 95670-6114

NAME AND ADDRESS

PROJECT MANAGER: Rob Busby PHONE#: 916 464-4736

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 03-039-150-0

DESTINATION LABORATORY

☒ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ OTHER

PRESERVATIVES

ANALYSIS REQUESTED: Bid Group 7 + Dissolved; Total Elements B Metal

FIELD CONDITIONS:

COMPOSITE:

TURN AROUND TIME: 1 DAY | 2 DAY | 5 DAY | 10 DAY

SPECIAL INSTRUCTIONS

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Bid Group 7 + Dissolved	Total Elements B Metal	10 DAY	SPECIAL INSTRUCTIONS
6/3/04	09:40	5A LCC upstream	Water	2	P		X		X	Please use the following detection limits
	"	5B "		1		2		X		Cu – 0.001 – 0.005 ppm
	11:10	1A Portal		2			X			Zn – 0.002 ppm
	"	1B "		1		2		X		Fe – 0.050 ppm
	11:20	2A DC upstream		2			X			Al – 0.020 ppm
	"	2B "		1		2		X		As – 0.005 ppm
	11:35	3A DC Downstream		2			X			
	"	3B "		1		2		X		
	11:45	4A DC @ 48" Culvert		2			X			INVOICE TO:
	"	4B "		1		2		X		
	12:22	6A USF S Dow		2			X			
	"	6B "		1		2		X		P.O. #
										QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Rob Busby Mary Hose	Robert Busby CVRWQCB	6/3/03 2010 06/04/04 9:30	Mary Hose	CVRWQCB CVRWQCB

REC'D AT LAB BY: | DATE / TIME: | CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER _____ AIR BILL #

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; CNF0156

LOG NO. 42940

REPORT TO:

NAME AND ADDRESS: CVRWQCB - Sac
11020 Sun Center Dr #200
Rancho Cordova CA 95670

PROJECT MANAGER: Rob Busby PHONE#: 916 464-4731

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 03-040-150-0

DESTINATION LABORATORY:
[X] CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

[ ] OTHER

ANALYSIS REQUESTED

FIELD CONDITIONS:

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES HNO3	Diss Metals Bid Grp 7 General Minerals	Total Cu, Zn, Fe, Al						TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS
6/3/04	1330	12 1A Mid Br. Ward Ck 25N42	Water	2	P		X										X	
	"	12 1B "		1		X		X										
	12:30	7A LGC Above DC		2			X											
	"	7B "		1		X		X										
	12:40	8A LGC Below DC		2			X											
	"	8B "		1		X		X										
	12:05	9A LGC @ Brown Cabin		2			X											
	12:05	9B "		1		X		X										
	15:32	10A ~~S. Br. Ward Ck 25N42~~ LGC @ 25N05Y		2			X											INVOICE TO:
	"	10B "		1		X		X										
	13:20	11A S. Br. Ward Ck 25N42		2			X											
	"	11B "		1		X		X										P.O. #
																		QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert D Busby	Robert Busby	6/3/03 2010	[signature]	CVRWQCB
Mary Hoe	CVRWQCB	06/04/03 9:30		CONTAINER
[signature]	[signature]	6.4.4 1015		

REC'D AT LAB BY: [signature]

DATE / TIME: 6-4-04 1013

CONDITIONS / COMMENTS:

SHIPPED BY: [ ] FED X [ ] UPS [ ] OTHER _____ AIR BILL #

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.: CN F0156

LOG NO. 42936

REPORT TO:

NAME AND ADDRESS
CVRWQCB - Sac
11020 Sun Center Dr. #200
Rancho Cordova CA 95670
PROJECT MANAGER: Rob Busby PHONE#: 916 464-4731
PROJECT NAME: Walker Mine
SAMPLED BY: Rob Busby
JOB DESCRIPTION:
SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 03-039-150-0

DESTINATION LABORATORY

☒ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ OTHER

FIELD CONDITIONS:

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES HNO3	Diss Metals	Bld Grp A General Minerals	Total Cd, Zn, Fe, Al
6/3/04	1325	13A Nye Ck 25N 32Y	Water	2	P		X		
	"	13B "		1		X		X	
	1456	14A S. Br. Ward Ck 25N 32Y		2			X		
	"	14B "		1		X		X	
	1447	15A M.& Br. Ward Ck 25N 32Y		2			X		
	"	15B "		1		X		X	
	1438	16A Nye Ck 25N 32Y		2			X		
	"	16B "		1		X		X	
	1347	17A N. Br. Ward Ck 25N 32Y		2			X		
	"	17B "		1		X		X	
	1419	18A N. Br. Ward Ck 25N 32Y		2			X		
	1419	18B "		1		X		X	

TURN AROUND TIME: 1 DAY | 2 DAY | 5 DAY | 10 DAY (X)

SPECIAL INSTRUCTIONS

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert D Busby	Robert Busby	6/3/03 2010	Mary Hee	CVRWQCB
Mary Hee	CVRWQCB	06/04/03 9:30		CONTRACT LAB
	CLS	6.4.04 1015		

REC'D AT LAB BY: DATE / TIME: 6-4-04 1015 CONDITIONS / COMMENTS: 3°

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER AIR BILL #

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
5A LCC Upstream (CNF0156-01) Water	**Sampled: 06/03/04 09:40**		**Received: 06/04/04 10:15**						
Total Alkalinity	**38**	5.0	mg/L	1	CN04453	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**38**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.85**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**70**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**7.3**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**2.5**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.8**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**28**	1.0	"	"	"	"	"	"	
pH	**7.64**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**0.72**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**56**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
1A Portal (CNF0156-03) Water	**Sampled: 06/03/04 11:10**		**Received: 06/04/04 10:15**						
Total Alkalinity	**69**	5.0	mg/L	1	CN04453	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**69**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.94**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**130**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**12**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**4.6**	1.0	"	"	"	"	"	"	
Potassium	**1.0**	1.0	"	"	"	"	"	"	
Sodium	**8.9**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**50**	1.0	"	"	"	"	"	"	
pH	**7.98**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**1.5**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**100**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
2A DC Upstream (CNF0156-05) Water	**Sampled: 06/03/04 11:20**		**Received: 06/04/04 10:15**						
Total Alkalinity	**68**	5.0	mg/L	1	CN04453	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**68**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.76**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**120**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2A DC Upstream (CNF0156-05) Water	**Sampled: 06/03/04 11:20**		**Received: 06/04/04 10:15**						
Methylene Blue Active Substances	ND	0.10	mg/L	1	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**14**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**7.0**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**64**	1.0	"	"	"	"	"	"	
pH	**7.75**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	ND	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**89**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
3A DC Upstream (CNF0156-07) Water	**Sampled: 06/03/04 11:35**		**Received: 06/04/04 10:15**						
Total Alkalinity	**66**	5.0	mg/L	1	CN04453	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**66**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.90**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**120**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**14**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**6.4**	1.0	"	"	"	"	"	"	
Potassium	**1.1**	1.0	"	"	"	"	"	"	
Sodium	**2.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**60**	1.0	"	"	"	"	"	"	
pH	**7.73**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**2.1**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**82**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
4A DC @ 48" Culvert (CNF0156-09) Water	**Sampled: 06/03/04 11:45**		**Received: 06/04/04 10:15**						
Total Alkalinity	**64**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**64**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.83**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**120**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**13**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**6.2**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.4**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**59**	1.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4A DC @ 48" Culvert (CNF0156-09) Water	**Sampled: 06/03/04 11:45**		**Received: 06/04/04 10:15**						
pH	**7.89**		pH Units	1	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**2.1**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**89**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
6A USF S Dow (CNF0156-11) Water	**Sampled: 06/03/04 12:22**		**Received: 06/04/04 10:15**						
Total Alkalinity	**65**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**65**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.84**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**120**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**15**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**5.7**	1.0	"	"	"	"	"	"	
Potassium	**1.1**	1.0	"	"	"	"	"	"	
Sodium	**2.8**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**60**	1.0	"	"	"	"	"	"	
pH	**7.88**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**6.9**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**110**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
12A Mid Br. Ward Ck 25N 42 (CNF0156-13) Water	**Sampled: 06/03/04 13:30**		**Received: 06/04/04 10:15**						
Total Alkalinity	**19**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**19**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.79**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**40**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**3.6**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**1.7**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	ND	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**16**	1.0	"	"	"	"	"	"	
pH	**6.53**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	ND	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**28**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
7A LGC Above DC (CNF0156-15) Water	**Sampled: 06/03/04 12:30**		**Received: 06/04/04 10:15**						
Total Alkalinity	**40**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**40**	5.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200
Rancho Cordova CA, 95670-6114

Project: Walker Mine
Project Number: 03-040-150-0
Project Manager: Rob Busby

CLS Work Order #: CNF0156

COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
7A LGC Above DC (CNF0156-15) Water	**Sampled: 06/03/04 12:30**		**Received: 06/04/04 10:15**						
Carbonate as CaCO3	ND	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.84**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**78**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**8.2**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**2.4**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.8**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**30**	1.0	"	"	"	"	"	"	
pH	**7.64**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**1.9**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**63**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
8A LGC Below DC (CNF0156-17) Water	**Sampled: 06/03/04 12:40**		**Received: 06/04/04 10:15**						
Total Alkalinity	**46**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**46**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.82**	0.50	"	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Specific Conductance (EC)	**82**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**9.6**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**3.1**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**37**	1.0	"	"	"	"	"	"	
pH	**7.79**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**3.0**	0.50	mg/L	"	CN04363	06/04/04	06/04/04	EPA 300.0	
Total Dissolved Solids	**71**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
9A LGC @ Brown Cabin (CNF0156-19) Water	**Sampled: 06/03/04 12:05**		**Received: 06/04/04 10:15**						
Total Alkalinity	**43**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**43**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	ND	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**83**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**9.1**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
9A LGC @ Brown Cabin (CNF0156-19) Water	**Sampled: 06/03/04 12:05**		**Received: 06/04/04 10:15**						
Magnesium	**2.8**	1.0	mg/L	1	CN04365	06/04/04	06/04/04	200.7/2340B	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.7**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**34**	1.0	"	"	"	"	"	"	
pH	7.77		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**2.5**	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**66**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
10 A LGC @ 25NO5Y (CNF0156-21) Water	**Sampled: 06/03/04 15:32**		**Received: 06/04/04 10:15**						
Total Alkalinity	**40**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**40**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.80**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**72**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**10**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**2.1**	1.0	"	"	"	"	"	"	
Potassium	**1.0**	1.0	"	"	"	"	"	"	
Sodium	**2.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**34**	1.0	"	"	"	"	"	"	
pH	7.77		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**2.1**	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**55**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
11A S Br. Ward Ck 25N42 (CNF0156-23) Water	**Sampled: 06/03/04 13:20**		**Received: 06/04/04 10:15**						
Total Alkalinity	**20**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**20**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.80**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**39**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**3.8**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**1.2**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**1.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**14**	1.0	"	"	"	"	"	"	
pH	7.35		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**1.3**	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 03-040-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNF0156** COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
11A S Br. Ward Ck 25N42 (CNF0156-23) Water	**Sampled: 06/03/04 13:20**		**Received: 06/04/04 10:15**						
Total Dissolved Solids	**34**	10	mg/L	1	CN04448	06/08/04	06/08/04	EPA 160.1	
13A Nye Ck 25 N 42 (CNF0156-25) Water	**Sampled: 06/03/04 13:25**		**Received: 06/04/04 10:15**						
Total Alkalinity	**40**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**40**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.77**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**74**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**8.2**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**3.4**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**1.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**35**	1.0	"	"	"	"	"	"	
pH	**7.42**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	ND	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**66**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
14A S. Br. Ward Ck 25N 32Y (CNF0156-27) Water	**Sampled: 06/03/04 14:56**		**Received: 06/04/04 10:15**						
Total Alkalinity	**83**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**83**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.89**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**27**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**2.2**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**76**	1.0	"	"	"	"	"	"	
pH	**7.92**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**3.4**	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**98**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
15A Mid Br. Ward Ck 25N 32Y (CNF0156-29) Water	**Sampled: 06/03/04 14:47**		**Received: 06/04/04 10:15**						
Total Alkalinity	**50**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**50**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200
Rancho Cordova CA, 95670-6114

Project: Walker Mine
Project Number: 03-040-150-0
Project Manager: Rob Busby

CLS Work Order #: CNF0156

COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
15A Mid Br. Ward Ck 25N 32Y (CNF0156-29) Water	**Sampled: 06/03/04 14:47**	**Received: 06/04/04 10:15**							
Chloride	**0.84**	0.50	mg/L	1	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**92**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**11**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**4.3**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.0**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**46**	1.0	"	"	"	"	"	"	
pH	**7.97**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	ND	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**69**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
16A Nye Ck 25N 32Y (CNF0156-31) Water	**Sampled: 06/03/04 14:38**	**Received: 06/04/04 10:15**							
Total Alkalinity	**72**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**72**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.76**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**120**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**16**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**6.0**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**2.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**63**	1.0	"	"	"	"	"	"	
pH	**7.96**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	ND	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**90**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
17A N. Br. Ward Ck 25N42 (CNF0156-33) Water	**Sampled: 06/03/04 13:47**	**Received: 06/04/04 10:15**							
Total Alkalinity	**91**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**91**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.79**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**18**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**7.2**	1.0	"	"	"	"	"	"	
Potassium	**1.6**	1.0	"	"	"	"	"	"	

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
17A N. Br. Ward Ck 25N42 (CNF0156-33) Water	**Sampled: 06/03/04 13:47**		**Received: 06/04/04 10:15**						
Sodium	**3.1**	1.0	mg/L	1	CN04365	06/04/04	06/04/04	200.7/2340B	
Hardness as CaCO3	**75**	1.0	"	"	"	"	"	"	
pH	**8.03**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**0.93**	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**110**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	
18A N. Br. Ward Ck 25N 32Y (CNF0156-35) Water	**Sampled: 06/03/04 14:19**		**Received: 06/04/04 10:15**						
Total Alkalinity	**86**	5.0	mg/L	1	CN04454	06/08/04	06/08/04	EPA 310.1	
Bicarbonate as CaCO3	**86**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.78**	0.50	"	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CN04378	06/04/04	06/04/04	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN04375	06/04/04	06/04/04	EPA 425.1	
Calcium	**17**	1.0	"	"	CN04365	06/04/04	06/04/04	200.7/2340B	
Magnesium	**6.8**	1.0	"	"	"	"	"	"	
Potassium	**1.8**	1.0	"	"	"	"	"	"	
Sodium	**3.5**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**72**	1.0	"	"	"	"	"	"	
pH	**8.10**		pH Units	"	CN04377	06/04/04	06/04/04	EPA 150.1	
Sulfate as SO4	**1.0**	0.50	mg/L	"	CN04363	06/04/04	06/05/04	EPA 300.0	
Total Dissolved Solids	**100**	10	"	"	CN04448	06/08/04	06/08/04	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 03-040-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNF0156** COC #: 42936,42940,42920

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
5B LCC Upstream (CNF0156-02) Water Sampled: 06/03/04 09:40 Received: 06/04/04 10:15									
Aluminum	**31**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**260**	50	"	"	"	"	"	"	
Zinc	**5.4**	2.0	"	"	"	"	"	"	
1B Portal (CNF0156-04) Water Sampled: 06/03/04 11:10 Received: 06/04/04 10:15									
Aluminum	**100**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	**22**	5.0	"	"	"	"	"	"	
Copper	**290**	2.0	"	"	"	"	"	"	
Iron	**560**	50	"	"	"	"	"	"	
Zinc	**62**	2.0	"	"	"	"	"	"	
2B DC Upstream (CNF0156-06) Water Sampled: 06/03/04 11:20 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**150**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
3B DC Upstream (CNF0156-08) Water Sampled: 06/03/04 11:35 Received: 06/04/04 10:15									
Aluminum	**74**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**83**	2.0	"	"	"	"	"	"	
Iron	**1800**	250	"	5	"	"	"	"	
Zinc	**9.0**	2.0	"	1	"	"	"	"	
4B DC @ 48" Culvert (CNF0156-10) Water Sampled: 06/03/04 11:45 Received: 06/04/04 10:15									
Aluminum	**26**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**32**	2.0	"	"	"	"	"	"	
Iron	**520**	50	"	"	"	"	"	"	
Zinc	**5.8**	2.0	"	"	"	"	"	"	
6B USF S Dow (CNF0156-12) Water Sampled: 06/03/04 12:22 Received: 06/04/04 10:15									
Aluminum	**42**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**440**	2.0	"	"	"	"	"	"	
Iron	**930**	50	"	"	"	"	"	"	
Zinc	**30**	2.0	"	"	"	"	"	"	
12B Mid Br. Ward Ck 25N 42 (CNF0156-14) Water Sampled: 06/03/04 13:30 Received: 06/04/04 10:15									

California Laboratory Services

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova,CA, 95670-6114	Project: Walker Mine Project Number: 03-040-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNF0156** COC #: 42936,42940,42920

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
12B Mid Br. Ward Ck 25N 42 (CNF0156-14) Water	**Sampled: 06/03/04 13:30**		**Received: 06/04/04 10:15**						
Aluminum	**34**	20	µg/L	1	CN04570	06/11/04	06/16/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**6.1**	2.0	"	"	"	"	"	"	
Iron	**52**	50	"	"	"	"	"	"	
Zinc	**2.4**	2.0	"	"	"	"	"	"	
7B LGC Above DC (CNF0156-16) Water	**Sampled: 06/03/04 12:30**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04570	06/11/04	06/16/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**340**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
8B LGC Below DC (CNF0156-18) Water	**Sampled: 06/03/04 12:40**		**Received: 06/04/04 10:15**						
Aluminum	**25**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**89**	2.0	"	"	"	"	"	"	
Iron	**420**	50	"	"	"	"	"	"	
Zinc	**11**	2.0	"	"	"	"	"	"	
9B LGC @ Brown Cabin (CNF0156-20) Water	**Sampled: 06/03/04 12:05**		**Received: 06/04/04 10:15**						
Aluminum	**26**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**53**	2.0	"	"	"	"	"	"	
Iron	**400**	50	"	"	"	"	"	"	
Zinc	**3.8**	2.0	"	"	"	"	"	"	
10B LGC @ 25NO5Y (CNF0156-22) Water	**Sampled: 06/03/04 15:32**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**6.9**	2.0	"	"	"	"	"	"	
Iron	**140**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
11B S Br. Ward Ck 25N42 (CNF0156-24) Water	**Sampled: 06/03/04 13:20**		**Received: 06/04/04 10:15**						
Aluminum	**23**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**4.6**	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	**3.0**	2.0	"	"	"	"	"	"	
13B Nye Ck 25 N 42 (CNF0156-26) Water	**Sampled: 06/03/04 13:25**		**Received: 06/04/04 10:15**						

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 03-040-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNF0156** COC #: 42936,42940,42920

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
13B Nye Ck 25 N 42 (CNF0156-26) Water	**Sampled: 06/03/04 13:25**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**91**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
14B S. Br. Ward Ck 25N 32Y (CNF0156-28) Water	**Sampled: 06/03/04 14:56**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**280**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
15B Mid Br. Ward Ck 25N 32Y (CNF0156-30) Water	**Sampled: 06/03/04 14:47**		**Received: 06/04/04 10:15**						
Aluminum	**27**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**140**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
16B Nye Ck 25N 32Y (CNF0156-32) Water	**Sampled: 06/03/04 14:38**		**Received: 06/04/04 10:15**						
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**160**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
17B N. Br. Ward Ck 25N42 (CNF0156-34) Water	**Sampled: 06/03/04 13:47**		**Received: 06/04/04 10:15**						
Aluminum	**26**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**210**	50	"	"	"	"	"	"	
Zinc	**6.1**	2.0	"	"	"	"	"	"	
18B N. Br. Ward Ck 25N 32Y (CNF0156-36) Water	**Sampled: 06/03/04 14:19**		**Received: 06/04/04 10:15**						
Aluminum	**30**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**220**	50	"	"	"	"	"	"	
Zinc	**2.3**	2.0	"	"	"	"	"	"	

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 03-040-150-0 Project Manager: Rob Busby	CLS Work Order #: CNF0156 COC #: 42936,42940,42920

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
5A LCC Upstream (CNF0156-01) Water	**Sampled: 06/03/04 09:40**	**Received: 06/04/04 10:15**							
Aluminum	**26**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**280**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
1A Portal (CNF0156-03) Water	**Sampled: 06/03/04 11:10**	**Received: 06/04/04 10:15**							
Aluminum	ND	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	**18**	5.0	"	"	"	"	"	"	
Copper	**93**	2.0	"	"	"	"	"	"	
Iron	**160**	50	"	"	"	"	"	"	
Zinc	**28**	2.0	"	"	"	"	"	"	
2A DC Upstream (CNF0156-05) Water	**Sampled: 06/03/04 11:20**	**Received: 06/04/04 10:15**							
Aluminum	ND	20	µg/L	1	CN05027	06/28/04	06/28/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**150**	50	"	"	"	"	"	"	
Zinc	**16**	2.0	"	"	"	"	"	"	
3A DC Upstream (CNF0156-07) Water	**Sampled: 06/03/04 11:35**	**Received: 06/04/04 10:15**							
Aluminum	**24**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**27**	2.0	"	"	"	"	"	"	
Iron	**470**	50	"	"	"	"	"	"	
Zinc	**3.4**	2.0	"	"	"	"	"	"	
4A DC @ 48" Culvert (CNF0156-09) Water	**Sampled: 06/03/04 11:45**	**Received: 06/04/04 10:15**							
Aluminum	**21**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**28**	2.0	"	"	"	"	"	"	
Iron	**440**	50	"	"	"	"	"	"	
Zinc	**2.0**	2.0	"	"	"	"	"	"	
6A USF S Dow (CNF0156-11) Water	**Sampled: 06/03/04 12:22**	**Received: 06/04/04 10:15**							
Aluminum	**40**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**440**	2.0	"	"	"	"	"	"	
Iron	**890**	50	"	"	"	"	"	"	
Zinc	**17**	2.0	"	"	"	"	"	"	
12A Mid Br. Ward Ck 25N 42 (CNF0156-13) Water	**Sampled: 06/03/04 13:30**	**Received: 06/04/04 10:15**							

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
12A Mid Br. Ward Ck 25N 42 (CNF0156-13) Water Sampled: 06/03/04 13:30 Received: 06/04/04 10:15									
Aluminum	**37**	20	µg/L	1	CN04570	06/11/04	11/06/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**3.2**	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
7A LGC Above DC (CNF0156-15) Water Sampled: 06/03/04 12:30 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04570	06/11/04	06/16/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**320**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
8A LGC Below DC (CNF0156-17) Water Sampled: 06/03/04 12:40 Received: 06/04/04 10:15									
Aluminum	**21**	20	µg/L	1	CN04570	06/11/04	06/16/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**93**	2.0	"	"	"	"	"	"	
Iron	**440**	50	"	"	"	"	"	"	
Zinc	**4.8**	2.0	"	"	"	"	"	"	
9A LGC @ Brown Cabin (CNF0156-19) Water Sampled: 06/03/04 12:05 Received: 06/04/04 10:15									
Aluminum	**24**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**47**	2.0	"	"	"	"	"	"	
Iron	**340**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
10 A LGC @ 25NO5Y (CNF0156-21) Water Sampled: 06/03/04 15:32 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**5.9**	2.0	"	"	"	"	"	"	
Iron	**140**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
11A S Br. Ward Ck 25N42 (CNF0156-23) Water Sampled: 06/03/04 13:20 Received: 06/04/04 10:15									
Aluminum	**22**	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**4.5**	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
13A Nye Ck 25 N 42 (CNF0156-25) Water Sampled: 06/03/04 13:25 Received: 06/04/04 10:15									

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 03-040-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNF0156** COC #: 42936,42940,42920

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
13A Nye Ck 25 N 42 (CNF0156-25) Water Sampled: 06/03/04 13:25 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**76**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
14A S. Br. Ward Ck 25N 32Y (CNF0156-27) Water Sampled: 06/03/04 14:56 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**280**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
15A Mid Br. Ward Ck 25N 32Y (CNF0156-29) Water Sampled: 06/03/04 14:47 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**130**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
16A Nye Ck 25N 32Y (CNF0156-31) Water Sampled: 06/03/04 14:38 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**160**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
17A N. Br. Ward Ck 25N42 (CNF0156-33) Water Sampled: 06/03/04 13:47 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**180**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
18A N. Br. Ward Ck 25N 32Y (CNF0156-35) Water Sampled: 06/03/04 14:19 Received: 06/04/04 10:15									
Aluminum	ND	20	µg/L	1	CN04573	06/11/04	06/15/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**190**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04363 - General Prep										
Blank (CN04363-BLK1)				Prepared: 06/04/04 Analyzed: 06/05/04						
Chloride	ND	0.50	mg/L							
Sulfate as SO4	ND	0.50	"							
LCS (CN04363-BS1)				Prepared: 06/04/04 Analyzed: 06/05/04						
Chloride	2.18	0.50	mg/L	2.00		109	80-120			
Sulfate as SO4	4.68	0.50	"	5.00		93.6	80-120			
LCS Dup (CN04363-BSD1)				Prepared: 06/04/04 Analyzed: 06/05/04						
Chloride	2.19	0.50	mg/L	2.00		110	80-120	0.458	25	
Sulfate as SO4	4.67	0.50	"	5.00		93.4	80-120	0.214	25	
Matrix Spike (CN04363-MS1)	Source: CNF0156-35			Prepared: 06/04/04 Analyzed: 06/05/04						
Chloride	2.66	0.50	mg/L	2.00	0.78	94.0	75-125			
Sulfate as SO4	5.17	0.50	"	5.00	1.0	83.4	75-125			
Matrix Spike Dup (CN04363-MSD1)	Source: CNF0156-35			Prepared: 06/04/04 Analyzed: 06/05/04						
Chloride	2.59	0.50	mg/L	2.00	0.78	90.5	75-125	2.67	25	
Sulfate as SO4	5.05	0.50	"	5.00	1.0	81.0	75-125	2.35	25	
Batch CN04365 - 6010A/No Digestion										
Blank (CN04365-BLK1)				Prepared & Analyzed: 06/04/04						
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
Hardness as CaCO3	ND	1.0	"							

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04365 - 6010A/No Digestion										
LCS (CN04365-BS1)				Prepared & Analyzed: 06/04/04						
Calcium	10.7	1.0	mg/L	10.0		107	80-120			
Magnesium	9.98	1.0	"	10.0		99.8	80-120			
Potassium	9.45	1.0	"	10.0		94.5	80-120			
Sodium	9.70	1.0	"	10.0		97.0	80-120			
LCS Dup (CN04365-BSD1)				Prepared & Analyzed: 06/04/04						
Calcium	10.6	1.0	mg/L	10.0		106	80-120	0.939	25	
Magnesium	9.84	1.0	"	10.0		98.4	80-120	1.41	25	
Potassium	9.27	1.0	"	10.0		92.7	80-120	1.92	25	
Sodium	9.54	1.0	"	10.0		95.4	80-120	1.66	25	
Matrix Spike (CN04365-MS1)		Source: CNF0127-01		Prepared & Analyzed: 06/04/04						
Calcium	33.5	1.0	mg/L	10.0	24	95.0	75-125			
Magnesium	33.0	1.0	"	10.0	24	90.0	75-125			
Potassium	10.5	1.0	"	10.0	1.8	87.0	75-125			
Sodium	66.1	1.0	"	10.0	58	81.0	75-125			
Matrix Spike Dup (CN04365-MSD1)		Source: CNF0127-01		Prepared & Analyzed: 06/04/04						
Calcium	34.5	1.0	mg/L	10.0	24	105	75-125	2.94	30	
Magnesium	34.0	1.0	"	10.0	24	100	75-125	2.99	30	
Potassium	12.1	1.0	"	10.0	1.8	103	75-125	14.2	30	
Sodium	66.7	1.0	"	10.0	58	87.0	75-125	0.904	30	
Batch CN04375 - General Preparation										
Blank (CN04375-BLK1)				Prepared & Analyzed: 06/04/04						
Methylene Blue Active Substances	ND	0.10	mg/L							

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04375 - General Preparation										
LCS (CN04375-BS1)				Prepared & Analyzed: 06/04/04						
Methylene Blue Active Substances	0.485	0.10	mg/L	0.500		97.0	80-120			
LCS Dup (CN04375-BSD1)				Prepared & Analyzed: 06/04/04						
Methylene Blue Active Substances	0.495	0.10	mg/L	0.500		99.0	80-120	2.04	20	
Matrix Spike (CN04375-MS1)		Source: CNF0127-01		Prepared & Analyzed: 06/04/04						
Methylene Blue Active Substances	0.503	0.10	mg/L	0.500	ND	101	75-125			
Matrix Spike Dup (CN04375-MSD1)		Source: CNF0127-01		Prepared & Analyzed: 06/04/04						
Methylene Blue Active Substances	0.508	0.10	mg/L	0.500	ND	102	75-125	0.989	25	
Batch CN04378 - General Preparation										
Blank (CN04378-BLK1)				Prepared & Analyzed: 06/04/04						
Specific Conductance (EC)	ND	1.0	µmhos/cm							
Batch CN04448 - General Preparation										
Blank (CN04448-BLK1)				Prepared & Analyzed: 06/08/04						
Total Dissolved Solids	ND	10	mg/L							
Batch CN04453 - General Preparation										
Blank (CN04453-BLK1)				Prepared & Analyzed: 06/07/04						
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	"							
Carbonate as CaCO3	ND	5.0	"							
Hydroxide as CaCO3	ND	5.0	"							

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 03-040-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNF0156** COC #: 42936,42940,42920

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04454 - General Preparation										
Blank (CN04454-BLK1)				Prepared & Analyzed: 06/08/04						
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	"							
Carbonate as CaCO3	ND	5.0	"							
Hydroxide as CaCO3	ND	5.0	"							

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 03-040-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNF0156** COC #: 42936,42940,42920

Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04570 - EPA 3020A										
Blank (CN04570-BLK1)				Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CN04570-BS1)				Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	128	20	µg/L	100		128	80-120			QM-08
Arsenic	92.2	5.0	"	100		92.2	80-120			
Copper	96.0	2.0	"	100		96.0	80-120			
Iron	95.4	50	"	100		95.4	80-120			
Zinc	92.0	2.0	"	100		92.0	80-120			
LCS Dup (CN04570-BSD1)				Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	126	20	µg/L	100		126	80-120	1.57	25	QM-08
Arsenic	95.2	5.0	"	100		95.2	80-120	3.20	25	
Copper	99.3	2.0	"	100		99.3	80-120	3.38	25	
Iron	104	50	"	100		104	80-120	8.63	25	
Zinc	101	2.0	"	100		101	80-120	9.33	25	
Matrix Spike (CN04570-MS1)	**Source: CNF0175-05**			Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	162	20	µg/L	100	48	114	75-125			
Arsenic	103	5.0	"	100	ND	103	75-125			
Copper	94.8	2.0	"	100	12	82.8	75-125			
Iron	5270	50	"	100	4800	470	75-125			QM-07
Zinc	94.6	2.0	"	100	13	81.6	75-125			
Matrix Spike Dup (CN04570-MSD1)	**Source: CNF0175-05**			Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	164	20	µg/L	100	48	116	75-125	1.23	30	
Arsenic	105	5.0	"	100	ND	105	75-125	1.92	30	
Copper	97.4	2.0	"	100	12	85.4	75-125	2.71	30	
Iron	5510	50	"	100	4800	710	75-125	4.45	30	QM-07
Zinc	96.2	2.0	"	100	13	83.2	75-125	1.68	30	

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04573 - EPA 3020A										
Blank (CN04573-BLK1)				Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CN04573-BS1)				Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	608	20	µg/L	500		122	80-120			QM-08
Arsenic	580	5.0	"	500		116	80-120			
Copper	581	2.0	"	500		116	80-120			
Iron	590	50	"	500		118	80-120			
Zinc	552	2.0	"	500		110	80-120			
LCS Dup (CN04573-BSD1)				Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	614	20	µg/L	500		123	80-120	0.982	25	QM-08
Arsenic	586	5.0	"	500		117	80-120	1.03	25	
Copper	582	2.0	"	500		116	80-120	0.172	25	
Iron	594	50	"	500		119	80-120	0.676	25	
Zinc	549	2.0	"	500		110	80-120	0.545	25	
Matrix Spike (CN04573-MS1)		Source: CNF0156-18		Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	579	20	µg/L	500	25	111	75-125			
Arsenic	532	5.0	"	500	0.99	106	75-125			
Copper	595	2.0	"	500	89	101	75-125			
Iron	922	50	"	500	420	100	75-125			
Zinc	505	2.0	"	500	11	98.8	75-125			
Matrix Spike Dup (CN04573-MSD1)		Source: CNF0156-18		Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	545	20	µg/L	500	25	104	75-125	6.05	30	
Arsenic	498	5.0	"	500	0.99	99.4	75-125	6.60	30	
Copper	564	2.0	"	500	89	95.0	75-125	5.35	30	
Iron	885	50	"	500	420	93.0	75-125	4.10	30	
Zinc	470	2.0	"	500	11	91.8	75-125	7.18	30	

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04570 - EPA 3020A										
Blank (CN04570-BLK1)				Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CN04570-BS1)				Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	128	20	µg/L	100		128	80-120			QM-08
Arsenic	92.2	5.0	"	100		92.2	80-120			
Copper	96.0	2.0	"	100		96.0	80-120			
Iron	95.4	50	"	100		95.4	80-120			
Zinc	92.0	2.0	"	100		92.0	80-120			
LCS Dup (CN04570-BSD1)				Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	126	20	µg/L	100		126	80-120	1.57	25	QM-08
Arsenic	95.2	5.0	"	100		95.2	80-120	3.20	25	
Copper	99.3	2.0	"	100		99.3	80-120	3.38	25	
Iron	104	50	"	100		104	80-120	8.63	25	
Zinc	101	2.0	"	100		101	80-120	9.33	25	
Matrix Spike (CN04570-MS1)		Source: CNF0175-05		Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	162	20	µg/L	100	48	114	75-125			
Arsenic	103	5.0	"	100	ND	103	75-125			
Copper	94.8	2.0	"	100	12	82.8	75-125			
Iron	5270	50	"	100	4800	470	75-125			QM-07
Zinc	94.6	2.0	"	100	13	81.6	75-125			
Matrix Spike Dup (CN04570-MSD1)		Source: CNF0175-05		Prepared: 06/11/04 Analyzed: 11/06/04						
Aluminum	164	20	µg/L	100	48	116	75-125	1.23	30	
Arsenic	105	5.0	"	100	ND	105	75-125	1.92	30	
Copper	97.4	2.0	"	100	12	85.4	75-125	2.71	30	
Iron	5510	50	"	100	4800	710	75-125	4.45	30	QM-07
Zinc	96.2	2.0	"	100	13	83.2	75-125	1.68	30	

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 03-040-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNF0156** COC #: 42936,42940,42920

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN04573 - EPA 3020A										
Blank (CN04573-BLK1)				Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CN04573-BS1)				Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	608	20	µg/L	500		122	80-120			QM-08
Arsenic	580	5.0	"	500		116	80-120			
Copper	581	2.0	"	500		116	80-120			
Iron	590	50	"	500		118	80-120			
Zinc	552	2.0	"	500		110	80-120			
LCS Dup (CN04573-BSD1)				Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	614	20	µg/L	500		123	80-120	0.982	25	QM-08
Arsenic	586	5.0	"	500		117	80-120	1.03	25	
Copper	582	2.0	"	500		116	80-120	0.172	25	
Iron	594	50	"	500		119	80-120	0.676	25	
Zinc	549	2.0	"	500		110	80-120	0.545	25	
Matrix Spike (CN04573-MS1)	Source: CNF0156-18			Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	579	20	µg/L	500	25	111	75-125			
Arsenic	532	5.0	"	500	0.99	106	75-125			
Copper	595	2.0	"	500	89	101	75-125			
Iron	922	50	"	500	420	100	75-125			
Zinc	505	2.0	"	500	11	98.8	75-125			
Matrix Spike Dup (CN04573-MSD1)	Source: CNF0156-18			Prepared: 06/11/04 Analyzed: 06/15/04						
Aluminum	545	20	µg/L	500	25	104	75-125	6.05	30	
Arsenic	498	5.0	"	500	0.99	99.4	75-125	6.60	30	
Copper	564	2.0	"	500	89	95.0	75-125	5.35	30	
Iron	885	50	"	500	420	93.0	75-125	4.10	30	
Zinc	470	2.0	"	500	11	91.8	75-125	7.18	30	

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN05027 - EPA 3020A										
Blank (CN05027-BLK1)				Prepared & Analyzed: 06/28/04						
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CN05027-BS1)				Prepared & Analyzed: 06/28/04						
Aluminum	140	20	µg/L	100		140	80-120			QM-08
Arsenic	100	5.0	"	100		100	80-120			
Copper	102	2.0	"	100		102	80-120			
Iron	113	50	"	100		113	80-120			
Zinc	99.6	2.0	"	100		99.6	80-120			
LCS Dup (CN05027-BSD1)				Prepared & Analyzed: 06/28/04						
Aluminum	127	20	µg/L	100		127	80-120	9.74	25	QM-08
Arsenic	96.2	5.0	"	100		96.2	80-120	3.87	25	
Copper	96.3	2.0	"	100		96.3	80-120	5.75	25	
Iron	91.1	50	"	100		91.1	80-120	21.5	25	
Zinc	93.7	2.0	"	100		93.7	80-120	6.10	25	
Matrix Spike (CN05027-MS1)		Source: CNF0850-01		Prepared & Analyzed: 06/28/04						
Aluminum	97.6	20	µg/L	100	1.1	96.5	75-125			
Arsenic	103	5.0	"	100	ND	103	75-125			
Copper	326	2.0	"	100	220	106	75-125			
Iron	519	50	"	100	390	129	75-125			QM-07
Zinc	111	2.0	"	100	15	96.0	75-125			
Matrix Spike Dup (CN05027-MSD1)		Source: CNF0850-01		Prepared & Analyzed: 06/28/04						
Aluminum	95.8	20	µg/L	100	1.1	94.7	75-125	1.86	30	
Arsenic	99.8	5.0	"	100	ND	99.8	75-125	3.16	30	
Copper	316	2.0	"	100	220	96.0	75-125	3.12	30	
Iron	497	50	"	100	390	107	75-125	4.33	30	
Zinc	115	2.0	"	100	15	100	75-125	3.54	30	

CALIFORNIA LABORATORY SERVICES

06/29/04 09:24

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNF0156**
11020 Sun Center Drive, Ste. 200	Project Number: 03-040-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 42936,42940,42920

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
QM-08	The spike recovery was outside acceptance limits for the LCS or LCSD. The batch was accepted based on acceptable MS/MSD recoveries & RPD's.
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

CLS - Labs

CHAIN OF CUSTODY CLS ID No.; _____ LOG NO. 42920

Page 1 of 3

REPORT TO:

NAME AND ADDRESS: ~~California Regional Water Quality Control Board 11020 Sun Center Drive, #200 Rancho Cordova, CA 95670-6114~~

PROJECT MANAGER: Rob Bushy PHONE#: 916-464-4736

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Bushy

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 09-0219-1500

DESTINATION LABORATORY

☒ **CLS (916) 638-7301**
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ **OTHER**

PRESERVATIVES

ANALYSIS REQUESTED

Bid Group 7 + Dissolved

Total & Elemental Metals

FIELD CONDITIONS:

COMPOSITE:

TURN AROUND TIME

1 DAY	2 DAY	5 DAY	10 DAY
			X

SPECIAL INSTRUCTIONS

Please use the following detection limits

Cu - Lead - 0.005 ppm

Zn - 0.002 ppm

Fe - 0.050 ppm

Al - 0.020 ppm

As - 0.005 ppm

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Bid Group 7 + Dissolved	Total & Elemental Metals
6/3/14	10:40	5A LCC upstream	Water	2	P		X	
	"	5B "		1		2		X
	11:10	1A Portal		2			X	
	"	1B "		1		2		X
	11:20	2A DC upstream		2			X	
	"	2B "		1		2		X
	11:35	3A DC Downstream		2			X	
	"	3B "		1		2		X
	11:45	4A DC @ 48" Culvert		2			X	
	"	4B "		1		2		X
	12:12	6A USF & Dow		2			X	
	"	6B "		1		2		X

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Rob Bushy	Robert Bushy	6/3/2014	Mary Hoe	CVRWQCB
Mary Hoe	CVRWQCB	06/04/14 9:30		CVRWQCB

REC'D AT LAB BY: DATE / TIME: CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER _____ AIR BILL #

PROJECT MGR /FIELD SAMPLER

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.: _____

LOG NO. 42940

REPORT TO:

NAME AND ADDRESS

PROJECT MANAGER PHONE#

PROJECT NAME

SAMPLED BY

JOB DESCRIPTION

SITE LOCATION

CLIENT JOB NUMBER: 03-040-150-0

DESTINATION LABORATORY

☒ **CLS (916) 638-7301**
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ **OTHER**

PRESERVATIVES

ANALYSIS REQUESTED

FIELD CONDITIONS:

COMPOSITE:

TURN AROUND TIME

1 DAY | 2 DAY | 5 DAY | 10 DAY

SPECIAL INSTRUCTIONS

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	ANALYSIS REQUESTED	10 DAY	SPECIAL INSTRUCTIONS
			Water	2	P		X	X	
		"	"	1		X	X		
		" LGC Below DC		2			X		
		" "		1		X	X		
		" LGC Below DC		2			X		
		" "		1		X	X		
	12:05	9A LGC @ Brown Cadis		2			X		
	12:05	9B LGC @ 25 NOS		1		X	X		
	13:32	10A S. Bank 25 NOS		2			X		INVOICE TO:
	"	10B "		1		X	X		
	13:20	11A S. Bank NC 25 NOS		2			X		
	"	11B "		1		X	X		P.O. #
			V						QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
		6/3/04 2010		CVRWQCB
	CVRWQCB	06/04/04 9:30		

REC'D AT LAB BY: | DATE / TIME: | CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER _____ AIR BILL #

PROJECT MGR /FIELD SAMPLER

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; _____

LOG NO. 42936

REPORT TO:

NAME AND ADDRESS

PROJECT MANAGER

PHONE#

PROJECT NAME

SAMPLED BY

JOB DESCRIPTION

SITE LOCATION

CLIENT JOB NUMBER

DESTINATION LABORATORY

☒ **CLS (916) 638-7301**
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ **OTHER**

PRESERVATIVES

ANALYSIS REQUESTED

FIELD CONDITIONS:

COMPOSITE:

TURN AROUND TIME

1 DAY | 2 DAY | 5 DAY | 10 DAY

SPECIAL INSTRUCTIONS

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY

REC'D AT LAB BY:

DATE / TIME:

CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER _____ AIR BILL #

RDB

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

INVOICE

Fall-04

10/6/04

Invoice To:
Rob Busby
CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200

Rancho Cordova, CA 95670-6114

PO Number
04-004-150-0

Client
Rob Busby
CRWQCB - Sacramento

Project Manager
Ray Oslowski

Invoice Number
4100297-CRWQCBSAC

Invoiced On:
10/13/04

Received
10/08/04

Terms
NET 30

Work Order(s)
CNJ0237

Remit To:
Accounts Receivable
CLS Labs
3249 Fitzgerald Rd.
Rancho Cordova, CA 95742

Project
Walker Mine

Project Number
04-004-150-0

CALIFORNIA SMALL BUSINESS 2916

Quantity	Analysis/Description	Matrix	Unit Cost	Extended Cost
20	General Mineral, CRWQCB [10 day]	Water	$0.00	$0.00
20	Filtration Met [10 day]	Water	$0.00	$0.00
20	CRWQCB-BidGrp7 Metals Diss [10 day]	Water	$0.00	$0.00
20	CRWQCB-BidGrp7 Metals [10 day]	Water	$0.00	$0.00
Additional Items				
20	Bid Group Seven		$145.00	$2,900.00

Invoice Total: **$2,900.00**

We Appreciate Your Business.

RECEIVED
SACRAMENTO
CVRWQCB
04 OCT 28 PM 1:30

Interest of 18% per annum (1.5% per month) will be added to all invoice amounts not paid within 30 days of invoice date.

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

October 26, 2004

CLS Work Order #: CNJ0237
COC #: 52851, 52852, 52853, 42937

Rob Busby
CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200
Rancho Cordova, CA 95670-6114

Project Name: Walker Mine

Enclosed are the results of analyses for samples received by the laboratory on 10/08/04 12:05. 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

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; CNJ0237 LOG NO. 52851

REPORT TO:

NAME AND ADDRESS: CVRWQCB - Sac
11020 Sun Center Dr #200
Rancho Cordova CA

PROJECT MANAGER: Rob Busby PHONE#: 916 464

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 04-004-150-0

DESTINATION LABORATORY:
[X] CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

[ ] OTHER

GEOTRACKER:
EDF REPORT [ ] YES [ ] NO
GLOBAL ID:

COMPOSITE:

FIELD CONDITIONS:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES (HNO3)	Bid Grp 7 Diss Metals General Minerals	Total Cu Zn Fe Al	Total Arsenic	Dissolved Arsenic	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS OR ALT. ID:
10/6/04	12:35	5A LGC Upstream	water	2	P		X								Please use the
	"	5B " "		1		X		X							following detection
	14:28	1A Portal		2		~~X~~	X		~~X~~	X					limits for all
	"	1B "		1		X	~~X~~	X	X						analyses:
	1444	2A DC Upstream		2			X								Cu 0.001 - 0.005 mg/L
	"	2B "		1		X		X							Zn 0.002 mg/L
	1520	3A DC Downstream		2			X								Fe 0.050 mg/L
	"	3B "		1		X		X							Al 0.020 mg/L
	1529	4A DC @ 48" culvert		2			X								INVOICE TO: As 0.005 mg/L
	"	4B "		1		X		X							
	16:02	6A USFS Dam		2			X								
	"	6B "		1		X		X							P.O. #
	16:11	7A LGC above DC		2			X								QUOTE #

SUSPECTED CONSTITUENTS

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert Busby	Robert Busby	10/7/04 1700	[signature]	CONRADO VR/CLS
[signature]	CLS	10/8/04 1035		
		10/8/04 1050		

REC'D AT LAB BY: [signature] DATE / TIME: 10-8-04 1050 CONDITIONS / COMMENTS:

SHIPPED BY: [ ] FED X [ ] UPS [X] OTHER CLS AIR BILL #

LAB

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.: CN50237 LOG NO. 52852

REPORT TO:

NAME AND ADDRESS: CV RWQCB - Sac
11020 Sun Center Dr #200
Rancho Cordova CA

PROJECT MANAGER: Rob Busby PHONE#: 916 464-

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 04-004-150-0

DESTINATION LABORATORY

[X] CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

[ ] OTHER

GEOTRACKER:

EDF REPORT [ ] YES [ ] NO

GLOBAL ID:

COMPOSITE:

FIELD CONDITIONS:

TURN AROUND TIME: 1 DAY | 2 DAY | 5 DAY | 10 DAY

SPECIAL INSTRUCTIONS OR ALT. ID:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES HNO3	Sulfide	Sulfate	Conductivity	Total Cu Zn Fe Al							SPECIAL INSTRUCTIONS
10/06/04	1611	7B LGC Cabana DC	Water	1	Plastic	X				X							see not pg 1
"	1621	8A LGC below DC		2			X										
"	"	8B " " "		1		X				X							
"	1545	9A LGC @ Brown's Cabin		2			X										
"	"	9B " " "		1		X				X							
"	1603	20A LGC @ Far West		2		X	X										
"	"	20B " "		1		X				X							
10/07/04	0806	17A N. Br. Ward Ck 25N42Y		2		X	X										
	"	17B " "		1		X				X							INVOICE TO:
	0844	18A N. Br. Ward Ck 25N32Y		2			X										
	"	18B " "		1		X				X							
	0902	16A Nyl. Ck 25N32Y		2			X										P.O. #
V	"	16B " "	V	1	V					X							QUOTE #

SUSPECTED CONSTITUENTS

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
	Robert Busby	10/7/04 1700		
		10/8/04 1035		CONTRACT LABS
		10/8/04 1050		

REC'D AT LAB BY: DATE / TIME: 10-8-04 1850 CONDITIONS / COMMENTS:

SHIPPED BY: [ ] FED X [ ] UPS [X] OTHER AIR BILL #

LAB

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; CN 50237

LOG NO. 52853

REPORT TO:

NAME AND ADDRESS: CVRWQCB - Sac
11020 Sun Center Dr
Rancho Cordova CA

PROJECT MANAGER: Rob Busby
PHONE#: 916 464-

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 04-004-150-0

DESTINATION LABORATORY:
☒ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ OTHER

ANALYSIS REQUESTED

GEOTRACKER:
EDF REPORT ☐ YES ☐ NO
GLOBAL ID:

COMPOSITE:

FIELD CONDITIONS:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES HNO3	Bid Grp 7 Diss. Metals General Minerals	Total Cu, Zn, Fe, Al	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS OR ALT. ID:
10/7/04	0912	15A Mid Br Ward 25N 32Y	Water	2	P		X						See note pg 1
	"	15B " " "		1		X		X					
	0921	14A S. Br. Ward 25N 32Y		2			X						
	"	14B " "		1		X		X					
	10:04	10A LGC 25N 05Y		2			X						
	"	10B " "		1		X		X					
	10:27	22A Indian Ck 112		2			X						
	"	22B " "		1		X		X					
	1041	25A Ward Ck @ Genesee		2			X						INVOICE TO:
	"	25B " "		1		X	X	X					
	1120	21A IC downstream LGC		2			X						
	"	21B " " "		1		X		X					P.O. #
	11:24	23A IC upstream LGC		2			X						QUOTE #

SUSPECTED CONSTITUENTS

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert Busby	Robert Busby	10/7/04 1700	[signature]	CONRADO SR/CLS
[signature]	CLS	10/8/04 1035		
		10/8/04 1050		

REC'D AT LAB BY: [signature]

DATE / TIME: 10-8-04 1050

CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☒ OTHER CLS

AIR BILL #

LAB

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; CN 50237

LOG NO. 42937

REPORT TO:

NAME AND ADDRESS: CVRWQCB-Sac
11020 Sun Center Dr
Rancho Cordova CA

PROJECT MANAGER: Rob Busby
PHONE#:

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION: Walker Mine

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER:

DESTINATION LABORATORY:

[X] CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

[ ] OTHER

ANALYSIS REQUESTED

FIELD CONDITIONS:

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES HNO3	Total Cu, Zn, Fe, Al	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS
10/7/04	11:24	23B IC Upstream LGC	Water	1	P	X	X					see note pg 1
		~~24A LGC Upstream IC~~		~~2~~								
		~~24B LGC Upstream IC~~		~~1~~		~~X~~						

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Robert Busby	Robert Busby	10/7/04 1700	[signature]	CONTRA COSTA/CLS
[signature]	[signature]	10/8/04 1030		
		10/8/04 1050		

REC'D AT LAB BY: [signature]

DATE / TIME: 10-8-04 1050

CONDITIONS / COMMENTS:

SHIPPED BY: [ ] FED X [ ] UPS [ ] OTHER _____ AIR BILL #

LAB

CALIFORNIA LABORATORY SERVICES

Environmental Chemistry

Sample Receiving Exception Report: CNJ0237

Samples "5A, 1A , 2A, 3A, 4A, 6A, 7A, 8A, 9A, 20A, 17A, 18A, 16A, 15A, 14A, 10A, 22A, 25A, 21A & 23A" were received out of hold time for the following General Mineral Analytes: Anions, Methylene Blue Active Substances (MBAS) & Ph Water. Per client, ok to perform all analysis regardless of missed hold times.

3249 Fitzgerald Road Rancho Cordova, CA 95742 800-638-7301 916-638-7301 Fax: 916-638-4510

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
5A LGC Upstream (CNJ0237-01) Water	**Sampled: 10/06/04 12:35**		**Received: 10/08/04 12:05**						
Total Alkalinity	**87**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**87**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.72**	0.50	"	"	CN07827	10/08/04	10/08/04	EPA 300.0	
Fluoride	**0.18**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	ND	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.77**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**0.730**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.33**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	
Calcium	**17**	1.0	"	"	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**7.4**	1.0	"	"	"	"	"	"	
Potassium	**2.0**	1.0	"	"	"	"	"	"	
Sodium	**4.7**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**74**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	**0.37**	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**7.71**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**110**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	
1A Portal (CNJ0237-03) Water	**Sampled: 10/06/04 14:28**		**Received: 10/08/04 12:05**						
Total Alkalinity	**60**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**60**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.72**	0.50	"	"	CN07827	10/08/04	10/08/04	EPA 300.0	
Fluoride	**0.19**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**1.5**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**110**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**0.250**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.26**		"	"	"	"	"	"	
Ion Balance, RPD %	**0.140**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200
Rancho Cordova CA, 95670-6114

Project: Walker Mine
Project Number: 04-004-150-0
Project Manager: Rob Busby

CLS Work Order #: CNJ0237

COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1A Portal (CNJ0237-03) Water	**Sampled: 10/06/04 14:28**		**Received: 10/08/04 12:05**						
Calcium	**13**	1.0	mg/L	1	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**4.8**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**4.9**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**51**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	**0.082**	0.010	"	"	"	"	"	"	
Iron	ND	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	**0.025**	0.020	"	"	"	"	"	"	
pH	**7.96**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**100**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	
2A DC Upstream (CNJ0237-05) Water	**Sampled: 10/06/04 14:44**		**Received: 10/08/04 12:05**						
Total Alkalinity	**79**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**79**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.70**	0.50	"	"	CN07827	10/08/04	10/08/04	EPA 300.0	
Fluoride	**0.18**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**0.73**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.62**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.61**		"	"	"	"	"	"	
Ion Balance, RPD %	**0.230**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	
Calcium	**16**	1.0	"	"	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**8.1**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**3.0**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**74**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	ND	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**7.94**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**100**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200
Rancho Cordova CA, 95670-6114

Project: Walker Mine
Project Number: 04-004-150-0
Project Manager: Rob Busby

CLS Work Order #: CNJ0237

COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
3A DC Downstream (CNJ0237-07) Water	**Sampled: 10/06/04 15:20**		**Received: 10/08/04 12:05**						
Total Alkalinity	**81**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**81**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.67**	0.50	"	"	CN07827	10/08/04	10/08/04	EPA 300.0	
Fluoride	**0.18**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**0.85**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.67**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.64**		"	"	"	"	"	"	
Ion Balance, RPD %	**0.890**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	
Calcium	**16**	1.0	"	"	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**8.0**	1.0	"	"	"	"	"	"	
Potassium	**1.2**	1.0	"	"	"	"	"	"	
Sodium	**3.1**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**73**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	**0.49**	0.10	"	"	"	"	"	"	
Manganese	**0.026**	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**7.82**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**110**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	
4A DC @ 48" Culvert (CNJ0237-09) Water	**Sampled: 10/06/04 15:29**		**Received: 10/08/04 12:05**						
Total Alkalinity	**79**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**79**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.66**	0.50	"	"	CN07827	10/08/04	10/08/04	EPA 300.0	
Fluoride	**0.19**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**0.94**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.63**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.62**		"	"	"	"	"	"	
Ion Balance, RPD %	**0.250**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4A DC @ 48" Culvert (CNJ0237-09) Water	**Sampled: 10/06/04 15:29**		**Received: 10/08/04 12:05**						
Calcium	**16**	1.0	mg/L	1	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**8.2**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**3.1**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**75**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	**0.32**	0.10	"	"	"	"	"	"	
Manganese	**0.036**	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**8.09**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**110**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	
6A USFS Dam (CNJ0237-11) Water	**Sampled: 10/06/04 16:02**		**Received: 10/08/04 12:05**						
Total Alkalinity	**79**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**79**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.69**	0.50	"	"	CN07827	10/08/04	10/08/04	EPA 300.0	
Fluoride	**0.18**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**2.4**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.66**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.63**		"	"	"	"	"	"	
Ion Balance, RPD %	**0.940**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	
Calcium	**17**	1.0	"	"	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**7.3**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**3.7**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**72**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	**0.062**	0.010	"	"	"	"	"	"	
Iron	**0.53**	0.10	"	"	"	"	"	"	
Manganese	**0.038**	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**8.27**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**120**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
7A LGC Above DC (CNJ0237-13) Water	**Sampled: 10/06/04 16:11**		**Received: 10/08/04 12:05**						
Total Alkalinity	**83**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**83**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.70**	0.50	"	"	CN07827	10/08/04	10/08/04	EPA 300.0	
Fluoride	**0.19**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**18**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**190**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**2.07**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**2.06**		"	"	"	"	"	"	
Ion Balance, RPD %	**0.280**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	
Calcium	**25**	1.0	"	"	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**6.2**	1.0	"	"	"	"	"	"	
Potassium	**2.1**	1.0	"	"	"	"	"	"	
Sodium	**5.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**88**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	**0.47**	0.10	"	"	"	"	"	"	
Manganese	**0.024**	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**7.28**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**140**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	
8A LGC Below DC (CNJ0237-15) Water	**Sampled: 10/06/04 16:21**		**Received: 10/08/04 12:05**						
Total Alkalinity	**83**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**83**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.72**	0.50	"	"	CN07827	10/08/04	10/08/04	EPA 300.0	
Fluoride	**0.19**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**12**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**170**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.94**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.99**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.33**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
8A LGC Below DC (CNJ0237-15) Water	**Sampled: 10/06/04 16:21**		**Received: 10/08/04 12:05**						
Calcium	**23**	1.0	mg/L	1	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**6.8**	1.0	"	"	"	"	"	"	
Potassium	**2.0**	1.0	"	"	"	"	"	"	
Sodium	**4.9**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**84**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	**0.019**	0.010	"	"	"	"	"	"	
Iron	**0.56**	0.10	"	"	"	"	"	"	
Manganese	**0.090**	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**8.02**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**130**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	
9A LGC @ Brown's Cabin (CNJ0237-17) Water	**Sampled: 10/06/04 15:45**		**Received: 10/08/04 12:05**						
Total Alkalinity	**81**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**81**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.71**	0.50	"	"	CN07827	10/08/04	10/08/04	EPA 300.0	
Fluoride	**0.19**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**12**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**170**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.89**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.93**		"	"	"	"	"	"	
Ion Balance, RPD %	**0.940**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	
Calcium	**22**	1.0	"	"	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**6.7**	1.0	"	"	"	"	"	"	
Potassium	**1.8**	1.0	"	"	"	"	"	"	
Sodium	**5.0**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**84**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	**0.017**	0.010	"	"	"	"	"	"	
Iron	**0.50**	0.10	"	"	"	"	"	"	
Manganese	**0.050**	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**8.00**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**130**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
20A LGC @ Far West (CNJ0237-19) Water	**Sampled: 10/06/04 16:03**		**Received: 10/08/04 12:05**						
Total Alkalinity	**81**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**81**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.83**	0.50	"	"	CN07827	10/08/04	10/08/04	EPA 300.0	
Fluoride	**0.21**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**11**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**180**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.89**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.97**		"	"	"	"	"	"	
Ion Balance, RPD %	**2.12**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	
Calcium	**22**	1.0	"	"	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**5.4**	1.0	"	"	"	"	"	"	
Potassium	**1.8**	1.0	"	"	"	"	"	"	
Sodium	**8.8**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	77	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	ND	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**8.02**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**130**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	
17A N Br Ward 25N42Y (CNJ0237-21) Water	**Sampled: 10/07/04 08:06**		**Received: 10/08/04 12:05**						
Total Alkalinity	**82**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**82**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.69**	0.50	"	"	CN07827	10/08/04	10/09/04	EPA 300.0	
Fluoride	**0.19**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**0.95**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**160**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.69**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.80**		"	"	"	"	"	"	
Ion Balance, RPD %	**3.23**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 04-004-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNJ0237** COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
17A N Br Ward 25N42Y (CNJ0237-21) Water	**Sampled: 10/07/04 08:06**		**Received: 10/08/04 12:05**						
Calcium	**19**	1.0	mg/L	1	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**8.0**	1.0	"	"	"	"	"	"	
Potassium	**1.5**	1.0	"	"	"	"	"	"	
Sodium	**3.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**80**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	ND	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**8.10**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**110**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	
18A N Br Ward 25N32Y (CNJ0237-23) Water	**Sampled: 10/07/04 08:44**		**Received: 10/08/04 12:05**						
Total Alkalinity	**87**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**87**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.68**	0.50	"	"	CN07827	10/08/04	10/09/04	EPA 300.0	
Fluoride	**0.19**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**1.0**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.79**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.72**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.80**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	
Calcium	**18**	1.0	"	"	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**7.4**	1.0	"	"	"	"	"	"	
Potassium	**1.8**	1.0	"	"	"	"	"	"	
Sodium	**3.9**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**76**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	ND	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**8.11**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**120**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200
Rancho Cordova CA, 95670-6114

Project: Walker Mine
Project Number: 04-004-150-0
Project Manager: Rob Busby

CLS Work Order #: CNJ0237

COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
16A Nye Ck 25N32Y (CNJ0237-25) Water	**Sampled: 10/07/04 09:02**		**Received: 10/08/04 12:05**						
Total Alkalinity	**79**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**79**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.68**	0.50	"	"	CN07827	10/08/04	10/09/04	EPA 300.0	
Fluoride	**0.19**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	ND	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.63**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.65**		"	"	"	"	"	"	
Ion Balance, RPD %	**0.480**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	
Calcium	**18**	1.0	"	"	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**6.9**	1.0	"	"	"	"	"	"	
Potassium	**1.4**	1.0	"	"	"	"	"	"	
Sodium	**3.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**74**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	ND	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**8.08**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**110**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	
15A Mid Br Ward 25N32Y (CNJ0237-27) Water	**Sampled: 10/07/04 09:12**		**Received: 10/08/04 12:05**						
Total Alkalinity	**140**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**140**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.67**	0.50	"	"	CN07827	10/08/04	10/09/04	EPA 300.0	
Fluoride	**0.18**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**0.72**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.68**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.57**		"	"	"	"	"	"	
Ion Balance, RPD %	**3.46**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
15A Mid Br Ward 25N32Y (CNJ0237-27) Water	**Sampled: 10/07/04 09:12**		**Received: 10/08/04 12:05**						
Calcium	**17**	1.0	mg/L	1	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**6.8**	1.0	"	"	"	"	"	"	
Potassium	**1.1**	1.0	"	"	"	"	"	"	
Sodium	**3.1**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**71**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	ND	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**8.11**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**100**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	
14A S. Br Ward 25N32Y (CNJ0237-29) Water	**Sampled: 10/07/04 09:21**		**Received: 10/08/04 12:05**						
Total Alkalinity	**150**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**150**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.73**	0.50	"	"	CN07827	10/08/04	10/09/04	EPA 300.0	
Fluoride	**0.18**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**6.5**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**260**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**3.16**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**3.01**		"	"	"	"	"	"	
Ion Balance, RPD %	**2.53**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	
Calcium	**51**	1.0	"	"	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**3.9**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**3.2**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**140**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	ND	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**8.01**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**170**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10A LGC @ 25N054 (CNJ0237-31) Water	**Sampled: 10/07/04 10:04**		**Received: 10/08/04 12:05**						
Total Alkalinity	**88**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**88**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.73**	0.50	"	"	CN07827	10/08/04	10/09/04	EPA 300.0	
Fluoride	**0.20**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**6.9**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**160**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.93**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.86**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.82**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	
Calcium	**23**	1.0	"	"	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**5.1**	1.0	"	"	"	"	"	"	
Potassium	**1.5**	1.0	"	"	"	"	"	"	
Sodium	**5.8**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**78**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	ND	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**8.07**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**110**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	
22A Indian Creek @ Rd. 112 (CNJ0237-33) Water	**Sampled: 10/07/04 10:27**		**Received: 10/08/04 12:05**						
Total Alkalinity	**74**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**74**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**1.6**	0.50	"	"	CN07827	10/08/04	10/09/04	EPA 300.0	
Fluoride	**0.20**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**2.6**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.58**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.55**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.04**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22A Indian Creek @ Rd. 112 (CNJ0237-33) Water	**Sampled: 10/07/04 10:27**		**Received: 10/08/04 12:05**						
Calcium	**15**	1.0	mg/L	1	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**5.2**	1.0	"	"	"	"	"	"	
Potassium	**1.6**	1.0	"	"	"	"	"	"	
Sodium	**7.2**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**59**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	**0.54**	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**7.67**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**100**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	
25A Ward Creek @ Gerese (CNJ0237-35) Water	**Sampled: 10/07/04 10:41**		**Received: 10/08/04 12:05**						
Total Alkalinity	**85**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**85**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.74**	0.50	"	"	CN07827	10/08/04	10/09/04	EPA 300.0	
Fluoride	**0.18**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**3.3**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**160**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.79**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.72**		"	"	"	"	"	"	
Ion Balance, RPD %	**2.19**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	
Calcium	**19**	1.0	"	"	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**6.2**	1.0	"	"	"	"	"	"	
Potassium	**1.1**	1.0	"	"	"	"	"	"	
Sodium	**5.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**74**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	ND	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**7.80**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**120**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
21A 1C Downstream LGC (CNJ0237-37) Water	**Sampled: 10/07/04 11:20**		**Received: 10/08/04 12:05**						
Total Alkalinity	**76**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**76**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**1.5**	0.50	"	"	CN07827	10/08/04	10/09/04	EPA 300.0	
Fluoride	**0.20**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**2.8**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.63**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.58**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.48**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	
Calcium	**16**	1.0	"	"	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**5.2**	1.0	"	"	"	"	"	"	
Potassium	**1.2**	1.0	"	"	"	"	"	"	
Sodium	**7.0**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**61**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	**0.47**	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**7.63**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**110**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	
23A 1C Upstream LGC (CNJ0237-39) Water	**Sampled: 10/07/04 11:24**		**Received: 10/08/04 12:05**						
Total Alkalinity	**75**	5.0	mg/L	1	CN07856	10/11/04	10/11/04	EPA 310.1	
Bicarbonate as CaCO3	**75**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**1.5**	0.50	"	"	CN07827	10/08/04	10/09/04	EPA 300.0	
Fluoride	**0.20**	0.10	"	"	"	"	"	"	
Nitrate as NO3	ND	2.0	"	"	"	"	"	"	
Sulfate as SO4	**2.8**	0.50	"	"	"	"	"	"	
Specific Conductance (EC)	**140**	1.0	µmhos/cm	"	CN07855	10/11/04	10/11/04	EPA 120.1	
Total Anions	**1.61**		meq/L	"	CN08080	10/19/04	10/21/04	NONE	
Total Cations	**1.58**		"	"	"	"	"	"	
Ion Balance, RPD %	**1.02**		"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CN07832	10/08/04	10/08/04	EPA 425.1	

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
23A 1C Upstream LGC (CNJ0237-39) Water	**Sampled: 10/07/04 11:24**		**Received: 10/08/04 12:05**						
Calcium	**16**	1.0	mg/L	1	CN07826	10/08/04	10/18/04	200.7/2340B	
Magnesium	**5.2**	1.0	"	"	"	"	"	"	
Potassium	**1.2**	1.0	"	"	"	"	"	"	
Sodium	**7.0**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**67**	1.0	"	"	"	"	"	"	
Aluminum	ND	0.050	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Iron	**0.44**	0.10	"	"	"	"	"	"	
Manganese	ND	0.010	"	"	"	"	"	"	
Zinc	ND	0.020	"	"	"	"	"	"	
pH	**7.63**		pH Units	"	CN07823	10/08/04	10/08/04	EPA 150.1	HT-1
Total Dissolved Solids	**100**	10	mg/L	"	CN07925	10/13/04	10/13/04	EPA 160.1	

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
5B LGC Upstream (CNJ0237-02) Water Sampled: 10/06/04 12:35 Received: 10/08/04 12:05									
Aluminum	**27**	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**570**	50	"	"	"	"	"	"	
Zinc	**4.0**	2.0	"	"	"	"	"	"	
1B Portal (CNJ0237-04) Water Sampled: 10/06/04 14:28 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	**12**	5.0	"	"	"	"	"	"	
Copper	**97**	2.0	"	"	"	"	"	"	
Iron	**91**	50	"	"	"	"	"	"	
Zinc	**25**	2.0	"	"	"	"	"	"	
2B DC Upstream (CNJ0237-06) Water Sampled: 10/06/04 14:44 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**130**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
3B DC Downstream (CNJ0237-08) Water Sampled: 10/06/04 15:20 Received: 10/08/04 12:05									
Aluminum	**20**	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**7.9**	2.0	"	"	"	"	"	"	
Iron	**1200**	500	"	10	"	"	"	"	
Zinc	**4.8**	2.0	"	1	"	"	"	"	
4B DC @ 48" Culvert (CNJ0237-10) Water Sampled: 10/06/04 15:29 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**8.1**	2.0	"	"	"	"	"	"	
Iron	**560**	50	"	"	"	"	"	"	
Zinc	**5.7**	2.0	"	"	"	"	"	"	
6B USFS Dam (CNJ0237-12) Water Sampled: 10/06/04 16:02 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**87**	2.0	"	"	"	"	"	"	
Iron	**600**	50	"	"	"	"	"	"	
Zinc	**12**	2.0	"	"	"	"	"	"	
7B LGC Above DC (CNJ0237-14) Water Sampled: 10/06/04 16:11 Received: 10/08/04 12:05									

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
7B LGC Above DC (CNJ0237-14) Water	**Sampled: 10/06/04 16:11**		**Received: 10/08/04 12:05**						
Aluminum	ND	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**780**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
8B LGC Below DC (CNJ0237-16) Water	**Sampled: 10/06/04 16:21**		**Received: 10/08/04 12:05**						
Aluminum	**20**	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**33**	2.0	"	"	"	"	"	"	
Iron	**780**	50	"	"	"	"	"	"	
Zinc	**9.8**	2.0	"	"	"	"	"	"	
9B LGC @ Brown's Cabin (CNJ0237-18) Water	**Sampled: 10/06/04 15:45**		**Received: 10/08/04 12:05**						
Aluminum	ND	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**29**	2.0	"	"	"	"	"	"	
Iron	**680**	50	"	"	"	"	"	"	
Zinc	**3.4**	2.0	"	"	"	"	"	"	
20B LGC @ Far West (CNJ0237-20) Water	**Sampled: 10/06/04 16:03**		**Received: 10/08/04 12:05**						
Aluminum	ND	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**6.1**	2.0	"	"	"	"	"	"	
Iron	**150**	50	"	"	"	"	"	"	
Zinc	**3.9**	2.0	"	"	"	"	"	"	
17B N Br Ward 25N42Y (CNJ0237-22) Water	**Sampled: 10/07/04 08:06**		**Received: 10/08/04 12:05**						
Aluminum	ND	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**98**	50	"	"	"	"	"	"	
Zinc	**6.6**	2.0	"	"	"	"	"	"	
18B N Br Ward 25N32Y (CNJ0237-24) Water	**Sampled: 10/07/04 08:44**		**Received: 10/08/04 12:05**						
Aluminum	**20**	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**110**	50	"	"	"	"	"	"	
Zinc	**43**	2.0	"	"	"	"	"	"	
16B Nye Ck 25N32Y (CNJ0237-26) Water	**Sampled: 10/07/04 09:02**		**Received: 10/08/04 12:05**						

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
16B Nye Ck 25N32Y (CNJ0237-26) Water Sampled: 10/07/04 09:02 Received: 10/08/04 12:05									
Aluminum	**31**	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**120**	50	"	"	"	"	"	"	
Zinc	**19**	2.0	"	"	"	"	"	"	
15B Mid Br Ward 25N32Y (CNJ0237-28) Water Sampled: 10/07/04 09:12 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**90**	50	"	"	"	"	"	"	
Zinc	**22**	2.0	"	"	"	"	"	"	
14B S. Br Ward 25N32Y (CNJ0237-30) Water Sampled: 10/07/04 09:21 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**100**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
10B LGC @ 25N054 (CNJ0237-32) Water Sampled: 10/07/04 10:04 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**300**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
22B Indian Creek @ Rd. 112 (CNJ0237-34) Water Sampled: 10/07/04 10:27 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**3.5**	2.0	"	"	"	"	"	"	
Iron	**140**	50	"	"	"	"	"	"	
Zinc	**31**	2.0	"	"	"	"	"	"	
25B Ward Creek @ Gerese (CNJ0237-36) Water Sampled: 10/07/04 10:41 Received: 10/08/04 12:05									
Aluminum	**37**	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**670**	50	"	"	"	"	"	"	
Zinc	**4.6**	2.0	"	"	"	"	"	"	
21B 1C Downstream LGC (CNJ0237-38) Water Sampled: 10/07/04 11:20 Received: 10/08/04 12:05									

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
21B 1C Downstream LGC (CNJ0237-38) Water	**Sampled: 10/07/04 11:20**		**Received: 10/08/04 12:05**						
Aluminum	**35**	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**570**	50	"	"	"	"	"	"	
Zinc	**36**	2.0	"	"	"	"	"	"	
23B 1C Upstream LGC (CNJ0237-40) Water	**Sampled: 10/07/04 11:24**		**Received: 10/08/04 12:05**						
Aluminum	**28**	20	µg/L	1	CN07860	10/11/04	10/11/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**580**	50	"	"	"	"	"	"	
Zinc	**19**	2.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200
Rancho Cordova CA, 95670-6114

Project: Walker Mine
Project Number: 04-004-150-0
Project Manager: Rob Busby

CLS Work Order #: CNJ0237

COC #: 52851, 52852, 52853, 42937

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
5A LGC Upstream (CNJ0237-01) Water Sampled: 10/06/04 12:35 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**250**	50	"	"	"	"	"	"	
Zinc	**5.2**	2.0	"	"	"	"	"	"	
1A Portal (CNJ0237-03) Water Sampled: 10/06/04 14:28 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	**11**	5.0	"	"	"	"	"	"	
Copper	**66**	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	**19**	2.0	"	"	"	"	"	"	
2A DC Upstream (CNJ0237-05) Water Sampled: 10/06/04 14:44 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**51**	50	"	"	"	"	"	"	
Zinc	**3.4**	2.0	"	"	"	"	"	"	
3A DC Downstream (CNJ0237-07) Water Sampled: 10/06/04 15:20 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**3.5**	2.0	"	"	"	"	"	"	
Iron	**390**	50	"	"	"	"	"	"	
Zinc	**6.2**	2.0	"	"	"	"	"	"	
4A DC @ 48" Culvert (CNJ0237-09) Water Sampled: 10/06/04 15:29 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**4.3**	2.0	"	"	"	"	"	"	
Iron	**250**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
6A USFS Dam (CNJ0237-11) Water Sampled: 10/06/04 16:02 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**59**	2.0	"	"	"	"	"	"	
Iron	**360**	50	"	"	"	"	"	"	
Zinc	**15**	2.0	"	"	"	"	"	"	
7A LGC Above DC (CNJ0237-13) Water Sampled: 10/06/04 16:11 Received: 10/08/04 12:05									

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
7A LGC Above DC (CNJ0237-13) Water Sampled: 10/06/04 16:11 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**2.1**	2.0	"	"	"	"	"	"	
Iron	**390**	50	"	"	"	"	"	"	
Zinc	**4.1**	2.0	"	"	"	"	"	"	
8A LGC Below DC (CNJ0237-15) Water Sampled: 10/06/04 16:21 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**20**	2.0	"	"	"	"	"	"	
Iron	**390**	50	"	"	"	"	"	"	
Zinc	**4.0**	2.0	"	"	"	"	"	"	
9A LGC @ Brown's Cabin (CNJ0237-17) Water Sampled: 10/06/04 15:45 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**17**	2.0	"	"	"	"	"	"	
Iron	**340**	50	"	"	"	"	"	"	
Zinc	**4.1**	2.0	"	"	"	"	"	"	
20A LGC @ Far West (CNJ0237-19) Water Sampled: 10/06/04 16:03 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**5.0**	2.0	"	"	"	"	"	"	
Iron	**100**	50	"	"	"	"	"	"	
Zinc	**5.0**	2.0	"	"	"	"	"	"	
17A N Br Ward 25N42Y (CNJ0237-21) Water Sampled: 10/07/04 08:06 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**53**	50	"	"	"	"	"	"	
Zinc	**6.9**	2.0	"	"	"	"	"	"	
18A N Br Ward 25N32Y (CNJ0237-23) Water Sampled: 10/07/04 08:44 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**58**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
16A Nye Ck 25N32Y (CNJ0237-25) Water Sampled: 10/07/04 09:02 Received: 10/08/04 12:05									

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
16A Nye Ck 25N32Y (CNJ0237-25) Water Sampled: 10/07/04 09:02 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**2.2**	2.0	"	"	"	"	"	"	
Iron	**65**	50	"	"	"	"	"	"	
Zinc	**3.1**	2.0	"	"	"	"	"	"	
15A Mid Br Ward 25N32Y (CNJ0237-27) Water Sampled: 10/07/04 09:12 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**62**	50	"	"	"	"	"	"	
Zinc	**3.7**	2.0	"	"	"	"	"	"	
14A S. Br Ward 25N32Y (CNJ0237-29) Water Sampled: 10/07/04 09:21 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**2.5**	2.0	"	"	"	"	"	"	
Iron	**220**	50	"	"	"	"	"	"	
Zinc	**4.8**	2.0	"	"	"	"	"	"	
10A LGC @ 25N054 (CNJ0237-31) Water Sampled: 10/07/04 10:04 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**3.9**	2.0	"	"	"	"	"	"	
Iron	**110**	50	"	"	"	"	"	"	
Zinc	**4.4**	2.0	"	"	"	"	"	"	
22A Indian Creek @ Rd. 112 (CNJ0237-33) Water Sampled: 10/07/04 10:27 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**460**	50	"	"	"	"	"	"	
Zinc	**2.7**	2.0	"	"	"	"	"	"	
25A Ward Creek @ Gerese (CNJ0237-35) Water Sampled: 10/07/04 10:41 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**68**	50	"	"	"	"	"	"	
Zinc	**2.4**	2.0	"	"	"	"	"	"	
21A 1C Downstream LGC (CNJ0237-37) Water Sampled: 10/07/04 11:20 Received: 10/08/04 12:05									

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
21A 1C Downstream LGC (CNJ0237-37) Water Sampled: 10/07/04 11:20 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**400**	50	"	"	"	"	"	"	
Zinc	**4.1**	2.0	"	"	"	"	"	"	
23A 1C Upstream LGC (CNJ0237-39) Water Sampled: 10/07/04 11:24 Received: 10/08/04 12:05									
Aluminum	ND	20	µg/L	1	CN07919	10/13/04	10/13/04	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**400**	50	"	"	"	"	"	"	
Zinc	**5.1**	2.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN07826 - 6010A/No Digestion										
Blank (CN07826-BLK1)				Prepared: 10/08/04 Analyzed: 10/18/04						
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
Hardness as CaCO3	ND	1.0	"							
Aluminum	ND	0.050	"							
Copper	ND	0.010	"							
Iron	ND	0.10	"							
Manganese	ND	0.010	"							
Zinc	ND	0.020	"							
LCS (CN07826-BS1)				Prepared: 10/08/04 Analyzed: 10/18/04						
Calcium	11.1	1.0	mg/L	10.0		111	80-120			
Magnesium	10.6	1.0	"	10.0		106	80-120			
Potassium	9.78	1.0	"	10.0		97.8	80-120			
Sodium	10.3	1.0	"	10.0		103	80-120			
Aluminum	2.10	0.050	"	2.00		105	80-120			
Copper	0.278	0.010	"	0.250		111	80-120			
Iron	1.11	0.10	"	1.00		111	80-120			
Manganese	0.556	0.010	"	0.500		111	80-120			
Zinc	0.586	0.020	"	0.500		117	80-120			
LCS Dup (CN07826-BSD1)				Prepared: 10/08/04 Analyzed: 10/18/04						
Calcium	11.2	1.0	mg/L	10.0		112	80-120	0.897	20	
Magnesium	10.6	1.0	"	10.0		106	80-120	0.00	20	
Potassium	9.91	1.0	"	10.0		99.1	80-120	1.32	20	
Sodium	10.3	1.0	"	10.0		103	80-120	0.00	20	
Aluminum	2.09	0.050	"	2.00		104	80-120	0.477	20	
Copper	0.278	0.010	"	0.250		111	80-120	0.00	20	
Iron	1.10	0.10	"	1.00		110	80-120	0.905	20	
Manganese	0.557	0.010	"	0.500		111	80-120	0.180	20	
Zinc	0.588	0.020	"	0.500		118	80-120	0.341	20	

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200
Rancho Cordova CA, 95670-6114

Project: Walker Mine
Project Number: 04-004-150-0
Project Manager: Rob Busby

CLS Work Order #: CNJ0237

COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN07826 - 6010A/No Digestion										
Matrix Spike (CN07826-MS1)		**Source: CNJ0237-01**		Prepared: 10/08/04		Analyzed: 10/18/04				
Calcium	28.6	1.0	mg/L	10.0	17	116	75-125			
Magnesium	18.6	1.0	"	10.0	7.4	112	75-125			
Potassium	12.6	1.0	"	10.0	2.0	106	75-125			
Sodium	15.5	1.0	"	10.0	4.7	108	75-125			
Aluminum	2.26	0.050	"	2.00	0.027	112	75-125			
Copper	0.292	0.010	"	0.250	ND	117	75-125			
Iron	1.50	0.10	"	1.00	0.37	113	75-125			
Manganese	0.598	0.010	"	0.500	0.0050	119	75-125			
Zinc	0.635	0.020	"	0.500	ND	127	75-125			QM-07
Matrix Spike Dup (CN07826-MSD1)		**Source: CNJ0237-01**		Prepared: 10/08/04		Analyzed: 10/18/04				
Calcium	28.6	1.0	mg/L	10.0	17	116	75-125	0.00	25	
Magnesium	18.6	1.0	"	10.0	7.4	112	75-125	0.00	25	
Potassium	12.5	1.0	"	10.0	2.0	105	75-125	0.797	25	
Sodium	15.5	1.0	"	10.0	4.7	108	75-125	0.00	25	
Aluminum	2.25	0.050	"	2.00	0.027	111	75-125	0.443	25	
Copper	0.292	0.010	"	0.250	ND	117	75-125	0.00	25	
Iron	1.50	0.10	"	1.00	0.37	113	75-125	0.00	25	
Manganese	0.598	0.010	"	0.500	0.0050	119	75-125	0.00	25	
Zinc	0.635	0.020	"	0.500	ND	127	75-125	0.00	25	QM-07
Batch CN07827 - General Prep										
Blank (CN07827-BLK1)				Prepared & Analyzed: 10/08/04						
Chloride	ND	0.50	mg/L							
Fluoride	ND	0.10	"							
Nitrate as NO3	ND	2.0	"							
Sulfate as SO4	ND	0.50	"							

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 04-004-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNJ0237** COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN07827 - General Prep										
LCS (CN07827-BS1)				Prepared & Analyzed: 10/08/04						
Chloride	1.96	0.50	mg/L	2.00		98.0	80-120			
Fluoride	2.14	0.10	"	2.00		107	80-120			
Nitrate as NO3	2.16	2.0	"	2.00		108	80-120			
Nitrate as N	0.488	0.50	"	0.451		108	80-120			
Sulfate as SO4	4.61	0.50	"	5.00		92.2	80-120			
LCS Dup (CN07827-BSD1)				Prepared & Analyzed: 10/08/04						
Chloride	1.96	0.50	mg/L	2.00		98.0	80-120	0.00	20	
Fluoride	2.15	0.10	"	2.00		108	80-120	0.466	20	
Nitrate as NO3	2.17	2.0	"	2.00		108	80-120	0.462	20	
Nitrate as N	0.490	0.50	"	0.451		109	80-120	0.409	20	
Sulfate as SO4	4.63	0.50	"	5.00		92.6	80-120	0.433	20	
Matrix Spike (CN07827-MS1)		**Source: CNJ0237-01**		Prepared & Analyzed: 10/08/04						
Chloride	2.27	0.50	mg/L	2.00	0.72	77.5	75-125			
Fluoride	2.24	0.10	"	2.00	0.18	103	75-125			
Nitrate as NO3	2.16	2.0	"	2.00	ND	108	75-125			
Nitrate as N	0.487	0.50	"	0.451	ND	108	75-125			
Sulfate as SO4	4.68	0.50	"	5.00	ND	93.6	75-125			
Matrix Spike Dup (CN07827-MSD1)		**Source: CNJ0237-01**		Prepared & Analyzed: 10/08/04						
Chloride	2.38	0.50	mg/L	2.00	0.72	83.0	75-125	4.73	25	
Fluoride	2.28	0.10	"	2.00	0.18	105	75-125	1.77	25	
Nitrate as NO3	2.21	2.0	"	2.00	ND	110	75-125	2.29	25	
Nitrate as N	0.499	0.50	"	0.451	ND	111	75-125	2.43	25	
Sulfate as SO4	4.76	0.50	"	5.00	ND	95.2	75-125	1.69	25	

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN07832 - General Preparation										
Blank (CN07832-BLK1)				Prepared & Analyzed: 10/08/04						
Methylene Blue Active Substances	ND	0.10	mg/L							
Blank (CN07832-BLK2)				Prepared & Analyzed: 10/08/04						
Methylene Blue Active Substances	ND	0.10	mg/L							
LCS (CN07832-BS1)				Prepared & Analyzed: 10/08/04						
Methylene Blue Active Substances	0.470	0.10	mg/L	0.500		94.0	80-120			
LCS (CN07832-BS2)				Prepared & Analyzed: 10/08/04						
Methylene Blue Active Substances	0.476	0.10	mg/L	0.500		95.2	80-120			
LCS Dup (CN07832-BSD1)				Prepared & Analyzed: 10/08/04						
Methylene Blue Active Substances	0.471	0.10	mg/L	0.500		94.2	80-120	0.213	20	
LCS Dup (CN07832-BSD2)				Prepared & Analyzed: 10/08/04						
Methylene Blue Active Substances	0.462	0.10	mg/L	0.500		92.4	80-120	2.99	20	
Matrix Spike (CN07832-MS1)		**Source: CNJ0237-01**		Prepared & Analyzed: 10/08/04						
Methylene Blue Active Substances	0.498	0.10	mg/L	0.500	ND	99.6	75-125			
Matrix Spike (CN07832-MS2)		**Source: CNJ0246-02**		Prepared & Analyzed: 10/08/04						
Methylene Blue Active Substances	0.475	0.10	mg/L	0.500	ND	95.0	75-125			
Matrix Spike Dup (CN07832-MSD1)		**Source: CNJ0237-01**		Prepared & Analyzed: 10/08/04						
Methylene Blue Active Substances	0.491	0.10	mg/L	0.500	ND	98.2	75-125	1.42	25	
Matrix Spike Dup (CN07832-MSD2)		**Source: CNJ0246-02**		Prepared & Analyzed: 10/08/04						
Methylene Blue Active Substances	0.486	0.10	mg/L	0.500	ND	97.2	75-125	2.29	25	

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN07855 - General Preparation										
Blank (CN07855-BLK1)				Prepared & Analyzed: 10/11/04						
Specific Conductance (EC)	ND	1.0	µmhos/cm							
Batch CN07856 - General Preparation										
Blank (CN07856-BLK1)				Prepared & Analyzed: 10/11/04						
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	"							
Carbonate as CaCO3	ND	5.0	"							
Hydroxide as CaCO3	ND	5.0	"							
Batch CN07925 - General Preparation										
Blank (CN07925-BLK1)				Prepared & Analyzed: 10/13/04						
Total Dissolved Solids	ND	10	mg/L							

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento	Project: Walker Mine	**CLS Work Order #: CNJ0237**
11020 Sun Center Drive, Ste. 200	Project Number: 04-004-150-0	
Rancho Cordova CA, 95670-6114	Project Manager: Rob Busby	COC #: 52851, 52852, 52853, 42937

Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN07860 - EPA 3020A										
Blank (CN07860-BLK1)				Prepared & Analyzed: 10/11/04						
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CN07860-BS1)				Prepared & Analyzed: 10/11/04						
Aluminum	520	20	µg/L	500		104	80-120			
Arsenic	515	5.0	"	500		103	80-120			
Copper	503	2.0	"	500		101	80-120			
Iron	477	50	"	500		95.4	80-120			
Zinc	476	2.0	"	500		95.2	80-120			
LCS Dup (CN07860-BSD1)				Prepared & Analyzed: 10/11/04						
Aluminum	492	20	µg/L	500		98.4	80-120	5.53	20	
Arsenic	485	5.0	"	500		97.0	80-120	6.00	20	
Copper	479	2.0	"	500		95.8	80-120	4.89	20	
Iron	454	50	"	500		90.8	80-120	4.94	20	
Zinc	450	2.0	"	500		90.0	80-120	5.62	20	
Matrix Spike (CN07860-MS1)	**Source: CNJ0237-02**			Prepared & Analyzed: 10/11/04						
Aluminum	523	20	µg/L	500	27	99.2	75-125			
Arsenic	501	5.0	"	500	1.8	99.8	75-125			
Copper	457	2.0	"	500	0.16	91.4	75-125			
Iron	1020	50	"	500	570	90.0	75-125			
Zinc	450	2.0	"	500	4.0	89.2	75-125			
Matrix Spike Dup (CN07860-MSD1)	**Source: CNJ0237-02**			Prepared & Analyzed: 10/11/04						
Aluminum	526	20	µg/L	500	27	99.8	75-125	0.572	25	
Arsenic	508	5.0	"	500	1.8	101	75-125	1.39	25	
Copper	464	2.0	"	500	0.16	92.8	75-125	1.52	25	
Iron	1040	50	"	500	570	94.0	75-125	1.94	25	
Zinc	459	2.0	"	500	4.0	91.0	75-125	1.98	25	

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 04-004-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNJ0237** COC #: 52851, 52852, 52853, 42937

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CN07919 - EPA 3020A										
Blank (CN07919-BLK1)				Prepared & Analyzed: 10/13/04						
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
LCS (CN07919-BS1)				Prepared & Analyzed: 10/13/04						
Aluminum	459	20	µg/L	500		91.8	80-120			
Arsenic	513	5.0	"	500		103	80-120			
Copper	473	2.0	"	500		94.6	80-120			
Iron	453	50	"	500		90.6	80-120			
Zinc	476	2.0	"	500		95.2	80-120			
LCS Dup (CN07919-BSD1)				Prepared & Analyzed: 10/13/04						
Aluminum	448	20	µg/L	500		89.6	80-120	2.43	20	
Arsenic	504	5.0	"	500		101	80-120	1.77	20	
Copper	460	2.0	"	500		92.0	80-120	2.79	20	
Iron	440	50	"	500		88.0	80-120	2.91	20	
Zinc	459	2.0	"	500		91.8	80-120	3.64	20	
Matrix Spike (CN07919-MS1)		**Source: CNJ0237-01**		Prepared & Analyzed: 10/13/04						
Aluminum	262	20	µg/L	300	5.1	85.6	75-125			
Arsenic	297	5.0	"	300	1.9	98.4	75-125			
Copper	263	2.0	"	300	1.2	87.3	75-125			
Iron	503	50	"	300	250	84.3	75-125			
Zinc	266	2.0	"	300	5.2	86.9	75-125			
Matrix Spike Dup (CN07919-MSD1)		**Source: CNJ0237-01**		Prepared & Analyzed: 10/13/04						
Aluminum	275	20	µg/L	300	5.1	90.0	75-125	4.84	25	
Arsenic	312	5.0	"	300	1.9	103	75-125	4.93	25	
Copper	269	2.0	"	300	1.2	89.3	75-125	2.26	25	
Iron	510	50	"	300	250	86.7	75-125	1.38	25	
Zinc	274	2.0	"	300	5.2	89.6	75-125	2.96	25	

CALIFORNIA LABORATORY SERVICES

10/26/04 11:07

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: 04-004-150-0 Project Manager: Rob Busby	**CLS Work Order #: CNJ0237** COC #: 52851, 52852, 52853, 42937

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/ LCSD recovery.
HT-1	The sample was received outside of the EPA recommended holding time.
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

CLS Labs

Ion Balance

Date 10/15/04 **Lab ID:** CNJ0237

Total cations(mequ/L) = 2*Ca/40.08 + 2*Mg/24.3 + K/39.0 + Na/23.0+exp(2.3*(-pH))*1000+2*Fe/55.85

Total anions(mequ/L) = Cl/35.45 + F/19.0 + NO3/62 + 2*SO4/96 + 2*Total Alkalinity/100.1+exp(2.3*(-(14-pH)))*1000

Difference, % = abs((Total cations - Total anions)/(Total cations + Total anions))*100

Note: If pH < 4 or pH > 10, pH may be taken into consideration for cation or anion calculation

LAB ID	pH	Ca	Mg	K	Na	Fe	Total cations	Cl	F	NO3	SO4	Total lkalinity	Total anions	Difference
		mg/L	mg/L	g/L	mg/L	mg/L	mequ/L	mg/L	mg/L	mg/L	mg/L	mg/L	equ/L	%
CNJ0237-1	7.71	17	7.4	2.0	4.7	0.37	1.73	0.724	0.184	0	0	87.2	1.77	1.33
CNJ0237-3	7.96	13	4.8	0.0	4.9	0	1.26	0.717	0.192	0	1.5	59.6	1.25	0.14
CNJ0237-5	7.94	16	8.1	0.0	3	0.48	1.61	0.704	0.185	0	0.726	78.8	1.62	0.23
CNJ0237-7	7.82	16	8.0	1.2	3.1	0.49	1.64	0.669	0.185	0	0.852	81.2	1.67	0.89
CNJ0237-9	8.09	16	8.2	0.0	3.1	0.32	1.62	0.659	0.186	0	0.942	79	1.63	0.25
CNJ0237-11	8.27	17	7.3	0.0	3.7	0.53	1.63	0.691	0.184	0	2.414	79	1.66	0.94
CNJ0237-13	7.78	25	6.2	2.1	5.3	0.47	2.06	0.698	0.186	0	17.962	83.4	2.07	0.28
CNJ0237-15	8.02	23	6.8	2.0	4.9	0.56	1.99	0.721	0.191	0	11.988	83	1.94	1.33
CNJ0237-17	8	22	6.7	1.8	5	0.5	1.93	0.709	0.186	0	11.593	81.2	1.89	0.94
CNJ0237-19	8.02	22	5.4	1.8	8.8	0	1.97	0.826	0.208	0	11.308	81	1.89	2.12
CNJ0237-21	8.1	19	8.0	1.5	3.6	0	1.80	0.693	0.187	0	0.946	82	1.69	3.23
CNJ0237-23	8.11	18	7.4	1.8	3.9	0	1.72	0.682	0.187	0	1.033	86.8	1.79	1.80
CNJ0237-25	8.08	18	6.9	1.4	3.3	0	1.65	0.683	0.188	0.81	0	79.4	1.63	0.48
CNJ0237-27	8.11	17	6.8	1.1	3.1	0	1.57	0.673	0.185	0	0.724	82	1.68	3.46
CNJ0237-29	8.01	51	3.9	0.0	3.2	0	3.01	0.73	0.185	0	6.547	149.8	3.16	2.53
CNJ0237-31	8.07	23	5.1	1.5	5.8	0	1.86	0.734	0.196	0	6.937	87.6	1.93	1.82

CNJ0237-33	7.67	15	5.2	1.6	7.2	0.54	1.55	1.644	0.201	0	2.623	73.6	1.58	1.04
CNJ0237-35	7.8	19	6.2	1.1	5.3	0	1.72	0.738	0.185	0	3.281	84.8	1.79	2.19
CNJ0237-37	7.63	16	5.2	1.2	7	0.47	1.58	1.526	0.2	0	2.755	75.8	1.63	1.48
CNJ0237-39	7.63	16	5.2	1.2	7	0.44	1.58	1.511	0.2	0	2.77	75	1.61	1.02

CNJ0327

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; _____

LOG NO. 52851

REPORT TO:

NAME AND ADDRESS: Entrix - Sac
1020 Sun Center Dr #200
Rancho Cordova CA

PROJECT MANAGER: Rick Bosler PHONE#: 916 4659

PROJECT NAME: Carbon Mine

SAMPLED BY: Rick Bosler

JOB DESCRIPTION:

SITE LOCATION: Carbon Mine

CLIENT JOB NUMBER: 04-004-150-0

DESTINATION LABORATORY

[X] **CLS (916) 638-7301**
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

[ ] **OTHER**

GEOTRACKER:
EDF REPORT [ ] YES [ ] NO
GLOBAL ID: _____

COMPOSITE:

FIELD CONDITIONS:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Bio Grp 2 Diss Metals	Total Cr 7196	Total Metals	Dissolved Metals	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS OR ALT. ID:
12/6/04	12:35	SA LGC Upstream	water	2	P		X								
	"	SB " "		1				X							
	14:25	19 Manual		2			X			X					
	"	19 "		1											
	15:45	29 DC Upstream		2			X								
	"	29 "		1											
	15:20	39 DC Downstream		2			X								
	"	39 "		1											
	15:20	49 DC 48" culvert		2			X								
	"	49 "		1											
	16:04	59 USGS Dam		2			X								
	"	59 "		1											
	16:11	99 LGC-low DC		2			X								

ORIGIN

SUSPECTED CONSTITUENTS

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

INVOICE TO:

P.O. #

QUOTE #

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY

REC'D AT LAB BY: | DATE / TIME: | CONDITIONS / COMMENTS:

SHIPPED BY: [ ] FED X [ ] UPS [X] OTHER _____ AIR BILL #

CN105 #1

CLS - Labs

CHAIN OF CUSTODY CLS ID No.; _____ LOG NO. 52851

REPORT TO:

NAME AND ADDRESS: CVRWQCB - Sac
4020 Sun Center Dr #205
Rancho Cordova CA

PROJECT MANAGER: Rob Busby PHONE#: 916 464

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 04-004-150-0

DESTINATION LABORATORY:
[X] CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

[ ] OTHER

GEOTRACKER:
EDF REPORT [ ] YES [ ] NO
GLOBAL ID: _____

COMPOSITE:

FIELD CONDITIONS:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES (440)	Bed Grp 7 Diss metals Gen Sal Mineral	Total Cu Zn Fe Al	Total Arsenic	Dissolved Arsenic				TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS OR ALT. ID:
10/6/04	12:35	5A LGC Upstream	water	2	P		X											[illegible]
	"	5B " "		1		X		X										[illegible]
	14:28	1A Portal		2		X	X		X	X								[illegible]
	"	1B "		1		X	X	X	X									[illegible]
	14:44	2A DC Upstream		2			X											[illegible]
	"	2B "		1		X		X										[illegible]
	15:20	3A DC Downstream		2			X											[illegible]
	"	3B "		1		X		X										[illegible]
	15:29	4A DC w 48" culvert		2			X											INVOICE TO: [illegible]
	"	4B "		1		X		X										
	16:02	6A USFS Dam		2			X											
	"	6B "		1		X		X										P.O. #
	16:11	7A LGC above DC		2			X											QUOTE #

SUSPECTED CONSTITUENTS

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

REC'D AT LAB BY: DATE / TIME: CONDITIONS / COMMENTS:

SHIPPED BY: [ ] FED X [ ] UPS [X] OTHER _____ AIR BILL #

PROJECT MGR./FIELD SAMPLER

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.: _____

2 of 4

LOG NO. 52852

REPORT TO:

NAME AND ADDRESS: CV RWQCB - Sac
11020 Sun Center Dr #200
Rancho Cordova CA

PROJECT MANAGER: Rob Busby PHONE#: 916 464-

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 04-004-150-0

DESTINATION LABORATORY

[X] CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

[ ] OTHER

ANALYSIS REQUESTED

PRESERVATIVES: HNO3

Dissolved Mn, Fe, Al
Dissolved Cu, Zn, Cd

GEOTRACKER:
EDF REPORT [ ] YES [ ] NO
GLOBAL ID: _____

COMPOSITE:

FIELD CONDITIONS:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Dissolved Mn, Fe, Al	Dissolved Cu, Zn, Cd
10/06/05	1611	7B LgC Cabin DC	water	1	Plastic	X		X
"	1621	8A LgC below DC		2			X	
"	"	8B " " "		1		X		X
"	1545	9A LgC @ Brown's Cabin		2			X	
"	"	9B " " "		1		X		X
"	1603	20A LgC @ Far West		2			X	
"	"	20B " "		1		X		X
10/07/05	0806	17A N Br. Wood Ck 25N42W		2			X	
	"	17B " "		1		X		X
	0854	18A N Br Wood Ck 25N32W		2			X	
	"	18B " "		1		X		X
	0902	16A N Vf. Ck 25N32W		2			X	
	"	16B " "		1				X

TURN AROUND TIME

1 DAY	2 DAY	5 DAY	10 DAY

SPECIAL INSTRUCTIONS

OR

ALT. ID:

See not #1

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
[signature]	Robert Busby	10/7/05 1200	[signature]	CANOMIX INC.
		10/8/05 1621		

REC'D AT LAB BY:

DATE / TIME:

CONDITIONS / COMMENTS:

SHIPPED BY: [ ] FED X [ ] UPS [X] OTHER CLS

AIR BILL #

ORIGIN

CLS - Labs

CHAIN OF CUSTODY CLS ID No.; _____ LOG NO. 52852

REPORT TO:

NAME AND ADDRESS: CV RWQCB - Sac
11020 Sun Center Dr #200
Rancho Cordova CA

PROJECT MANAGER: Rob Busby PHONE#: 916 464-

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 04-004-150-0

DESTINATION LABORATORY:
[X] CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

[ ] OTHER

GEOTRACKER:
EDF REPORT [ ] YES [ ] NO
GLOBAL ID: _____

COMPOSITE:

FIELD CONDITIONS:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES HNO3	Bid grp 7 Diss metals	General Minerals	Total Cu Zn Al					TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS OR ALT. ID:
10/06/04	1611	7B LGC above DC	Water	1	Plastic	X		X										[illegible]
"	1621	8A LGC below DC		2			X											
"	"	8B " " "		1		X		X										
"	1545	9A LGC @ Brown's Cabin		2			X											
"	"	9B " " "		1		X		X										
"	16:03	20A LGC @ Far West		2		[illegible]	X											
"	"	20B " "		1		X		X										
10/07/04	0806	17A N Br. Ward Ck 25N42Y		2		X	X											
	"	17B " "		1		X		X										INVOICE TO:
	0844	18A N Br. Ward Ck 25N32Y		2			X											
	"	18B " "		1		X		X										
"	0902	16A Nye Ck 25N32Y					X											P.O. #
"	"	16B " "						X										QUOTE #

SUSPECTED CONSTITUENTS

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
[illegible]	[illegible]	[illegible] 10/8/04 1020	[illegible]	[illegible]

REC'D AT LAB BY: DATE / TIME: CONDITIONS / COMMENTS:

SHIPPED BY: [ ] FED X [ ] UPS [X] OTHER CLS AIR BILL #

PROJECT MGR./FIELD SAMPLER

3 of 4

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; _____

LOG NO. 52853

REPORT TO:

NAME AND ADDRESS: CURWQCB - Sac
11020 Sun Center Dr
Rancho Cordova CA

PROJECT MANAGER: Rob Busby
PHONE#: 916 464-

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 04-004-150-0

DESTINATION LABORATORY:

[X] CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

[ ] OTHER

ANALYSIS REQUESTED

PRESERVATIVES: HNO3

GEOTRACKER:
EDF REPORT [ ] YES [ ] NO
GLOBAL ID: _____

COMPOSITE:

FIELD CONDITIONS:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	HNO3	Bid Grp 7 Diss. Metals	Total Cu, Zn, Fe, Al	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS OR ALT. ID:
10/7/04	0912	15A Mid Br Ward 25N 32Y	Water	2	P		X						See note pg 1
	"	15B " " "		1		X		X					
	0921	14A S. Br Ward 25N 32Y		2			X						
	"	14B " "		1		X		X					
	10:04	10A LGC 25N 05Y		2			X						
	"	10B " "		1		X		X					
	10:27	22A Indian Ck 11.2		2			X						
	"	22B " "		1		X		X					
	1041	25A Ward Ck @ Genesee		2			X						INVOICE TO:
	"	25B " "		1		X		X					
	1120	21A IC downstream LGC		2			X						
	"	21B " " "		1		X		X					P.O. #
	11:24	23A IC upstream LGC		2			X						QUOTE #

SUSPECTED CONSTITUENTS

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
[signature]	Robert Busby	10/7/04 1700	[signature]	Conrado Sr/CLS
		10/8/4 1035		

REC'D AT LAB BY:

DATE / TIME:

CONDITIONS / COMMENTS:

SHIPPED BY: [ ] FED X [ ] UPS [X] OTHER CA

AIR BILL #

ORIGIN

CLS - Labs

CHAIN OF CUSTODY CLS ID No.; _____ LOG NO. 52853

REPORT TO:

NAME AND ADDRESS: CVRWQCB - Sac
11020 Sun Center Dr
Rancho Cordova CA

PROJECT MANAGER: Rob Busby PHONE#: 916 464-

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION:

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER: 04-004-150-0

DESTINATION LABORATORY:
☒ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

☐ OTHER

ANALYSIS REQUESTED

GEOTRACKER:
EDF REPORT ☐ YES ☐ NO
GLOBAL ID: _____

COMPOSITE:

FIELD CONDITIONS:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES HNO3	Bid Gr 7 Diss. Metals General Minerals	Total Cu Zn Se Al						TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS OR ALT. ID:
10/7/04	0912	15A Mid Br Ward 25N 32Y	Water	2	P		X											[illegible]
	"	15B " " "		1		✓		X										
	0921	14A S. Br Ward 25N 32Y		2			X											
	"	14B " "		1		X		X										
	1004	10A LGC 25N 03Y		2			X											
	"	10B " "		1		✓		X										
	1027	22A Indian Ck 12		2			X											
	"	22B " "		1		X		X										
	1041	25A Ward Ck @ Genesee		2			X											INVOICE TO:
	"	25B " "		1		X		X										
	1120	21A IC downstream LGC		2			X											
	"	21B " " "		1		X		X										P.O. #
	11:24	23A IC upstream LGC		2			X											QUOTE #

SUSPECTED CONSTITUENTS

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
[illegible]	[illegible]	[illegible] 1700	[illegible]	[illegible]
		10/8/04 1025		

REC'D AT LAB BY: DATE / TIME: CONDITIONS / COMMENTS:

SHIPPED BY: ☐ FED X ☐ UPS ☒ OTHER CA AIR BILL #

PROJECT MGR./FIELD SAMPLER

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; _____

LOG NO. 42937

REPORT TO:

NAME AND ADDRESS: CVRWQCB-Sac, 11020 Sun Center Dr, Rancho Cordova CA

PROJECT MANAGER: Rob Busby — PHONE#

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION: Walker Mine

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER:

DESTINATION LABORATORY:

[X] CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

[ ] OTHER

ANALYSIS REQUESTED

FIELD CONDITIONS:

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES (HNO3)	Total Cu, Zn, Fe, Al	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS
10/7/04	11:29	23B IC Upstream LGC	Water	1	D	X	X					see ack pg 1
		~~24A LGC Upstream IC~~		~~2~~								
		~~24B LGC Upstream IC~~		~~1~~		~~X~~						

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
[signature]	Robert Busby	10/7/04 1700	[signature]	
		10/8/04 1038		Cancelled SR/CP

REC'D AT LAB BY:

DATE / TIME:

CONDITIONS / COMMENTS:

SHIPPED BY: [ ] FED X [ ] UPS [ ] OTHER _____ AIR BILL #

ORIGIN

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.; _____

LOG NO. 42937

REPORT TO:

NAME AND ADDRESS: CVRWQCB-Sac
11020 Sun Center Dr
Rancho Cordova CA

PROJECT MANAGER: Rob Busby
PHONE#:

PROJECT NAME: Walker Mine

SAMPLED BY: Rob Busby

JOB DESCRIPTION: Walker Mine

SITE LOCATION: Walker Mine

CLIENT JOB NUMBER:

DESTINATION LABORATORY:

[X] CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA.
95742

[ ] OTHER

ANALYSIS REQUESTED

FIELD CONDITIONS:

COMPOSITE:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES HNO3	Total Cu, Zn, Fe, Al	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS
10/7/04	11:24	23B IC Upstream LGC	Water	1	D	X	X					[illegible]
		~~24B LGC Upstream IC~~		~~2~~								
		~~24B LGC Upstream IC~~		~~1~~		~~X~~						

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]

REC'D AT LAB BY:

DATE / TIME:

CONDITIONS / COMMENTS:

SHIPPED BY: [ ] FED X [ ] UPS [ ] OTHER _____ AIR BILL #

PROJECT MGR./FIELD SAMPLER