CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

October 28, 2009

CLS Work Order #: CSJ0884
COC #: 94812,84178

Jeff Huggins
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 10-22-09 08:30. 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

Sample Receiving Exception Report
Work Order #CSJ0884

The Chain of Custody does not match the labels on the sample bottles. The Chain of Custody states the sample date is 6\21\09 and the sample bottles state 10\21\09. Per client samples were logged in according to sample bottles.

CLS - Labs

CHAIN OF CUSTODY — CLS ID No.: CSJ0884 — LOG NO. 94812 — 1 of 2

REPORT TO:

NAME AND ADDRESS: Leticia Valadez, Central Valley Water Board, Rancho Cordova, CA 95670

PROJECT MANAGER: Jeff Huggins — PHONE#: (916) 464-4639

PROJECT NAME: Walker Mine

SAMPLED BY: Jeff Huggins

JOB DESCRIPTION: Water Quality Monitoring

SITE LOCATION: Plumas County

CLIENT JOB NUMBER: 07-023-150-0

DESTINATION LABORATORY: ☑ 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 HNO_3	Bid Group 7 (General Minerals)	Bid Group 7 Metals (Total)	Bid Group 7 Metals (Dissolved)	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS OR ALT. ID:
6/21/09	0845	WM-5 LGC/US	Water	3	Plastic	1/3		✓						Need low detection
	0910	WM-3 DC/DS		3										limits for Metals
	0920	WM-19 Settling Pond		3										
	0945	WM-1 Portal		3										
	10:00	WM-2 DC/US		3										
	11:30	WM-4 48" Culvert		3										
	11:45	WM-9 Browns Cabin		3										
	12:10	WM-7a		3										
	12:20	WM-7b		3										INVOICE TO:
	12:30	WM-7c		3										
	12:40	WM-6		3										
	~~1:55~~	~~WM-11~~	No Sample →				No Water/No Sample							P.O. #
	2:00	WM-12 Mid B. Ward Cr.		3			1	1	1					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
Jeff S. Huggins	Jeff Huggins Central Valley Water Board	10/22/09 0830		

RECD AT LAB BY: [signature] — DATE / TIME: 10/22/09 0830 — CONDITIONS / COMMENTS: 20/°C

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER — AIR BILL #

LAB

CLS - Labs

CHAIN OF CUSTODY — CLS ID No.: CSJ0884 — LOG NO. 84178 — 2 of 2

REPORT TO:

NAME AND ADDRESS: Leticia Valadez
Central Valley Water Board
Rancho Cordova, CA 95670

PROJECT MANAGER: Jeff Huggins — PHONE#: (916) 464-4639

PROJECT NAME: Walker Mine

SAMPLED BY: Jeff Huggins/

JOB DESCRIPTION: Water Quality Monitoring

SITE LOCATION: Plumas, County

CLIENT JOB NUMBER: 07-023-150-0

DESTINATION LABORATORY:
☑ 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 ±0NH	ANALYSIS REQUESTED: Bid Group 7 (General Minerals)	Bid Group 7 (Metals (Total)	Bid Group 7 Metals (dissolved)	TURN AROUND TIME 1 DAY	2 DAY	5 DAY	10 DAY	SPECIAL INSTRUCTIONS OR ALT. ID:
6-21-09	~~14:12~~	~~WM-13 Nye Creek~~	~~Water~~	~~3~~	~~Plastic~~	1/3	No Sample/No Water							Need low detection
↓	14:20	WM-17 NBWC	Water	3	Plastic	1/3	↓	↓	↓					limits for metals.
↓	14:50	WM-20 Far West	↓	↓	↓	↓	↓	↓	↓					
↓	15:15	WM-10 25N05Y	↓	↓	↓	↓	↓	↓	↓					

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
Jeff E. Huggins	Jeff Huggins Central Valley Water Board	10/22/09 0830		

REC'D AT LAB BY: [signature] — DATE / TIME: 10/22/09 0830 — CONDITIONS / COMMENTS: 20/°C

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER — AIR BILL #

LAB

CALIFORNIA LABORATORY SERVICES

10-28-09 15:23

CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-5 (LGC/MS) (CSJ0884-01) Water	**Sampled: 10-21-09 08:45**		**Received: 10-22-09 08:30**						
Total Alkalinity	**75**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**75**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.85**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**160**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**16**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**7.5**	1.0	"	"	"	"	"	"	
Potassium	**2.4**	1.0	"	"	"	"	"	"	
Sodium	**5.0**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**70**	1.0	"	"	"	"	"	"	
pH	**7.13**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	**100**	10	"	"	CS08084	10-23-09	10-26-09	SM2540C	
WM-3 (DC/DS) (CSJ0884-02) Water	**Sampled: 10-21-09 09:10**		**Received: 10-22-09 08:30**						
Total Alkalinity	**76**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**76**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.70**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**16**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**9.2**	1.0	"	"	"	"	"	"	
Potassium	**1.2**	1.0	"	"	"	"	"	"	
Sodium	**3.5**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**77**	1.0	"	"	"	"	"	"	
pH	**7.60**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	**0.77**	0.50	mg/L	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	**100**	10	"	"	CS08084	10-23-09	10-26-09	SM2540C	
WM-19 (Settling Pond) (CSJ0884-03) Water	**Sampled: 10-21-09 09:20**		**Received: 10-22-09 08:30**						

CALIFORNIA LABORATORY SERVICES

10-28-09 15:23

CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-19 (Settling Pond) (CSJ0884-03) Water	**Sampled: 10-21-09 09:20**		**Received: 10-22-09 08:30**						
Total Alkalinity	**32**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**32**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.73**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**260**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**29**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**7.8**	1.0	"	"	"	"	"	"	
Potassium	**3.4**	1.0	"	"	"	"	"	"	
Sodium	**8.2**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**110**	1.0	"	"	"	"	"	"	
pH	**7.29**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	**88**	2.5	mg/L	5	CS08103	10-26-09	10-27-09	EPA 300.0	
Total Dissolved Solids	**190**	10	"	1	CS08084	10-23-09	10-26-09	SM2540C	
WM-1 (Portal) (CSJ0884-04) Water	**Sampled: 10-21-09 09:45**		**Received: 10-22-09 08:30**						
Total Alkalinity	**58**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**58**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.59**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**120**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**13**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**5.4**	1.0	"	"	"	"	"	"	
Potassium	**1.0**	1.0	"	"	"	"	"	"	
Sodium	**5.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**54**	1.0	"	"	"	"	"	"	
pH	**7.49**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	**1.2**	0.50	mg/L	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	**92**	10	"	"	CS08084	10-23-09	10-26-09	SM2540C	
WM-2 (DC/MS) (CSJ0884-05) Water	**Sampled: 10-21-09 10:00**		**Received: 10-22-09 08:30**						

CALIFORNIA LABORATORY SERVICES

10-28-09 15:23

CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-2 (DC/MS) (CSJ0884-05) Water	**Sampled: 10-21-09 10:00**		**Received: 10-22-09 08:30**						
Total Alkalinity	**74**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**74**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.63**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**15**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**9.1**	1.0	"	"	"	"	"	"	
Potassium	**1.1**	1.0	"	"	"	"	"	"	
Sodium	**3.2**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**76**	1.0	"	"	"	"	"	"	
pH	**7.72**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	**110**	10	"	"	CS08084	10-23-09	10-26-09	SM2540C	
WM-4 (48" Culvert) (CSJ0884-06) Water	**Sampled: 10-21-09 11:30**		**Received: 10-22-09 08:30**						
Total Alkalinity	**77**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**77**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.70**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**15**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**8.6**	1.0	"	"	"	"	"	"	
Potassium	**1.1**	1.0	"	"	"	"	"	"	
Sodium	**3.4**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**73**	1.0	"	"	"	"	"	"	
pH	**7.71**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	**0.82**	0.50	mg/L	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	**100**	10	"	"	CS08084	10-23-09	10-26-09	SM2540C	
WM-9 (Browns Cabin) (CSJ0884-07) Water	**Sampled: 10-21-09 11:45**		**Received: 10-22-09 08:30**						

CALIFORNIA LABORATORY SERVICES

10-28-09 15:23

CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-9 (Browns Cabin) (CSJ0884-07) Water	**Sampled: 10-21-09 11:45**		**Received: 10-22-09 08:30**						
Total Alkalinity	**75**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**75**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.81**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**180**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**20**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**7.2**	1.0	"	"	"	"	"	"	
Potassium	**2.1**	1.0	"	"	"	"	"	"	
Sodium	**4.8**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**80**	1.0	"	"	"	"	"	"	
pH	**7.77**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	**12**	0.50	mg/L	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	**110**	10	"	"	CS08084	10-23-09	10-26-09	SM2540C	
WM-7a (CSJ0884-08) Water	**Sampled: 10-21-09 12:10**		**Received: 10-22-09 08:30**						
Total Alkalinity	**78**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**78**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.73**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**16**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**8.5**	1.0	"	"	"	"	"	"	
Potassium	**1.2**	1.0	"	"	"	"	"	"	
Sodium	**3.7**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**75**	1.0	"	"	"	"	"	"	
pH	**7.93**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	**1.3**	0.50	mg/L	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	**100**	10	"	"	CS08084	10-23-09	10-26-09	SM2540C	
WM-7b (CSJ0884-09) Water	**Sampled: 10-21-09 12:20**		**Received: 10-22-09 08:30**						

CALIFORNIA LABORATORY SERVICES

10-28-09 15:23

CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-7b (CSJ0884-09) Water	**Sampled: 10-21-09 12:20**	**Received: 10-22-09 08:30**							
Total Alkalinity	**76**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**76**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.83**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**170**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**20**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**6.2**	1.0	"	"	"	"	"	"	
Potassium	**2.3**	1.0	"	"	"	"	"	"	
Sodium	**5.3**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**75**	1.0	"	"	"	"	"	"	
pH	**7.32**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	**12**	0.50	mg/L	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	**110**	10	"	"	CS08084	10-23-09	10-26-09	SM2540C	
WM-7c (CSJ0884-10) Water	**Sampled: 10-21-09 12:30**	**Received: 10-22-09 08:30**							
Total Alkalinity	**75**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**75**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.75**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**150**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**16**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**8.2**	1.0	"	"	"	"	"	"	
Potassium	**1.3**	1.0	"	"	"	"	"	"	
Sodium	**3.7**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**72**	1.0	"	"	"	"	"	"	
pH	**7.85**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	**1.4**	0.50	mg/L	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	**100**	10	"	"	CS08084	10-23-09	10-26-09	SM2540C	
WM-6 (CSJ0884-11) Water	**Sampled: 10-21-09 12:40**	**Received: 10-22-09 08:30**							

CALIFORNIA LABORATORY SERVICES

10-28-09 15:23

CRWQCB - Sacramento
11020 Sun Center Drive, Ste. 200
Rancho Cordova CA, 95670-6114

Project: Walker Mine
Project Number: 07-023-150-0
Project Manager: Jeff Huggins

CLS Work Order #: CSJ0884
COC #: 94812,84178

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-6 (CSJ0884-11) Water Sampled: 10-21-09 12:40 Received: 10-22-09 08:30									
Total Alkalinity	**77**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**77**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**1.1**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**260**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**31**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**8.8**	1.0	"	"	"	"	"	"	
Potassium	**6.2**	1.0	"	"	"	"	"	"	
Sodium	**5.0**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**110**	1.0	"	"	"	"	"	"	
pH	**7.79**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	**51**	2.5	mg/L	5	CS08103	10-26-09	10-27-09	EPA 300.0	
Total Dissolved Solids	**170**	10	"	1	CS08084	10-23-09	10-26-09	SM2540C	
WM-12 (Mid B. Ward) (CSJ0884-12) Water Sampled: 10-21-09 14:00 Received: 10-22-09 08:30									
Total Alkalinity	**14**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**14**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.54**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**30**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**3.0**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**1.3**	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	**1.2**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**13**	1.0	"	"	"	"	"	"	
pH	**6.21**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	**23**	10	"	"	CS08084	10-23-09	10-26-09	SM2540C	
WM-17 (NBWC) (CSJ0884-13) Water Sampled: 10-21-09 14:20 Received: 10-22-09 08:30									

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-17 (NBWC) (CSJ0884-13) Water	**Sampled: 10-21-09 14:20**		**Received: 10-22-09 08:30**						
Total Alkalinity	**86**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**86**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.63**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**160**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**18**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**8.3**	1.0	"	"	"	"	"	"	
Potassium	**1.8**	1.0	"	"	"	"	"	"	
Sodium	**3.8**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**79**	1.0	"	"	"	"	"	"	
pH	**7.86**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	**0.61**	0.50	mg/L	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	**110**	10	"	"	CS08084	10-23-09	10-26-09	SM2540C	
WM-20 (Far West) (CSJ0884-14) Water	**Sampled: 10-21-09 14:50**		**Received: 10-22-09 08:30**						
Total Alkalinity	**77**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**77**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.88**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**180**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**20**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**5.8**	1.0	"	"	"	"	"	"	
Potassium	**2.1**	1.0	"	"	"	"	"	"	
Sodium	**8.6**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**75**	1.0	"	"	"	"	"	"	
pH	**7.91**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	**13**	0.50	mg/L	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	**120**	10	"	"	CS08084	10-23-09	10-26-09	SM2540C	
WM-10 (25N05Y) (CSJ0884-15) Water	**Sampled: 10-21-09 15:15**		**Received: 10-22-09 08:30**						

California Laboratory Services

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-10 (25N05Y) (CSJ0884-15) Water	**Sampled: 10-21-09 15:15**		**Received: 10-22-09 08:30**						
Total Alkalinity	**79**	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	**79**	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	**0.81**	0.50	"	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	**170**	1.0	µmhos/cm	"	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	**22**	1.0	"	"	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	**5.3**	1.0	"	"	"	"	"	"	
Potassium	**1.4**	1.0	"	"	"	"	"	"	
Sodium	**5.8**	1.0	"	"	"	"	"	"	
Hardness as CaCO3	**78**	1.0	"	"	"	"	"	"	
pH	**7.88**	0.01	pH Units	"	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	**7.7**	0.50	mg/L	"	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	**100**	10	"	"	CS08084	10-23-09	10-26-09	SM2540C	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-5 (LGC/MS) (CSJ0884-01) Water Sampled: 10-21-09 08:45 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	ND	1.0	"	"	"	"	"	"	
Iron	**540**	250	"	5	"	"	"	"	
Zinc	ND	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-3 (DC/DS) (CSJ0884-02) Water Sampled: 10-21-09 09:10 Received: 10-22-09 08:30									
Aluminum	**21**	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	**4.6**	1.0	"	"	"	"	"	"	
Iron	**400**	100	"	2	"	"	"	"	
Zinc	ND	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-19 (Settling Pond) (CSJ0884-03) Water Sampled: 10-21-09 09:20 Received: 10-22-09 08:30									
Aluminum	**190**	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	**990**	5.0	"	5	"	"	"	"	
Iron	**410**	250	"	"	"	"	"	"	
Zinc	**84**	2.0	"	1	"	"	"	"	
Cadmium	**0.69**	0.50	"	"	"	"	"	"	
WM-1 (Portal) (CSJ0884-04) Water Sampled: 10-21-09 09:45 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	**8.8**	2.0	"	"	"	"	"	"	
Copper	**92**	1.0	"	"	"	"	"	"	
Iron	**52**	50	"	"	"	"	"	"	
Zinc	**18**	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-2 (DC/MS) (CSJ0884-05) Water Sampled: 10-21-09 10:00 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	ND	1.0	"	"	"	"	"	"	
Iron	**60**	50	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-2 (DC/MS) (CSJ0884-05) Water Sampled: 10-21-09 10:00 Received: 10-22-09 08:30									
Zinc	**2.6**	2.0	µg/L	1	CS08066	"	10-23-09	EPA 200.8	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-4 (48" Culvert) (CSJ0884-06) Water Sampled: 10-21-09 11:30 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	**7.9**	1.0	"	"	"	"	"	"	
Iron	**250**	100	"	2	"	"	"	"	
Zinc	**3.1**	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-9 (Browns Cabin) (CSJ0884-07) Water Sampled: 10-21-09 11:45 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	**4.9**	1.0	"	"	"	"	"	"	
Iron	**530**	250	"	5	"	"	"	"	
Zinc	ND	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-7a (CSJ0884-08) Water Sampled: 10-21-09 12:10 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	**16**	1.0	"	"	"	"	"	"	
Iron	**450**	250	"	5	"	"	"	"	
Zinc	**2.9**	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-7b (CSJ0884-09) Water Sampled: 10-21-09 12:20 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	ND	1.0	"	"	"	"	"	"	
Iron	**760**	250	"	5	"	"	"	"	
Zinc	ND	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-7c (CSJ0884-10) Water Sampled: 10-21-09 12:30 Received: 10-22-09 08:30									
Aluminum	**39**	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-7c (CSJ0884-10) Water Sampled: 10-21-09 12:30 Received: 10-22-09 08:30									
Arsenic	ND	2.0	µg/L	1	CS08066	"	10-23-09	EPA 200.8	
Copper	**14**	1.0	"	"	"	"	"	"	
Iron	**340**	100	"	2	"	"	"	"	
Zinc	**3.0**	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-6 (CSJ0884-11) Water Sampled: 10-21-09 12:40 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	**48**	1.0	"	"	"	"	"	"	
Iron	**610**	250	"	5	"	"	"	"	
Zinc	**54**	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-12 (Mid B. Ward) (CSJ0884-12) Water Sampled: 10-21-09 14:00 Received: 10-22-09 08:30									
Aluminum	**31**	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	**3.7**	1.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-17 (NBWC) (CSJ0884-13) Water Sampled: 10-21-09 14:20 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	ND	1.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-20 (Far West) (CSJ0884-14) Water Sampled: 10-21-09 14:50 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	**3.9**	1.0	"	"	"	"	"	"	
Iron	**90**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-20 (Far West) (CSJ0884-14) Water	**Sampled: 10-21-09 14:50**		**Received: 10-22-09 08:30**						
Cadmium	ND	0.50	µg/L	1	CS08066	"	10-23-09	EPA 200.8	
WM-10 (25N05Y) (CSJ0884-15) Water	**Sampled: 10-21-09 15:15**		**Received: 10-22-09 08:30**						
Aluminum	ND	20	µg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	**2.2**	1.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-5 (LGC/MS) (CSJ0884-01) Water Sampled: 10-21-09 08:45 Received: 10-22-09 08:30									
Aluminum	**28**	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**260**	100	"	2	"	"	"	"	
Zinc	**2.4**	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-3 (DC/DS) (CSJ0884-02) Water Sampled: 10-21-09 09:10 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**2.9**	2.0	"	"	"	"	"	"	
Iron	**190**	50	"	"	"	"	"	"	
Zinc	**2.2**	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-19 (Settling Pond) (CSJ0884-03) Water Sampled: 10-21-09 09:20 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**520**	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	**80**	2.0	"	"	"	"	"	"	
Cadmium	**0.54**	0.50	"	"	"	"	"	"	
WM-1 (Portal) (CSJ0884-04) Water Sampled: 10-21-09 09:45 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	**8.9**	5.0	"	"	"	"	"	"	
Copper	**79**	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	**18**	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-2 (DC/MS) (CSJ0884-05) Water Sampled: 10-21-09 10:00 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-2 (DC/MS) (CSJ0884-05) Water Sampled: 10-21-09 10:00 Received: 10-22-09 08:30									
Zinc	ND	2.0	µg/L	1	CS08101	"	10-26-09	EPA 200.8	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-4 (48" Culvert) (CSJ0884-06) Water Sampled: 10-21-09 11:30 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**6.0**	2.0	"	"	"	"	"	"	
Iron	**130**	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-9 (Browns Cabin) (CSJ0884-07) Water Sampled: 10-21-09 11:45 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**3.6**	2.0	"	"	"	"	"	"	
Iron	**320**	100	"	2	"	"	"	"	
Zinc	ND	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-7a (CSJ0884-08) Water Sampled: 10-21-09 12:10 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**13**	2.0	"	"	"	"	"	"	
Iron	**330**	100	"	2	"	"	"	"	
Zinc	**6.4**	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-7b (CSJ0884-09) Water Sampled: 10-21-09 12:20 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	**420**	250	"	5	"	"	"	"	
Zinc	ND	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-7c (CSJ0884-10) Water Sampled: 10-21-09 12:30 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-7c (CSJ0884-10) Water Sampled: 10-21-09 12:30 Received: 10-22-09 08:30									
Arsenic	ND	5.0	µg/L	1	CS08101	"	10-26-09	EPA 200.8	
Copper	**11**	2.0	"	"	"	"	"	"	
Iron	**250**	100	"	2	"	"	"	"	
Zinc	**2.9**	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-6 (CSJ0884-11) Water Sampled: 10-21-09 12:40 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**22**	2.0	"	"	"	"	"	"	
Iron	**56**	50	"	"	"	"	"	"	
Zinc	**45**	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-12 (Mid B. Ward) (CSJ0884-12) Water Sampled: 10-21-09 14:00 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**3.1**	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	**2.5**	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-17 (NBWC) (CSJ0884-13) Water Sampled: 10-21-09 14:20 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
WM-20 (Far West) (CSJ0884-14) Water Sampled: 10-21-09 14:50 Received: 10-22-09 08:30									
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	**2.9**	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-20 (Far West) (CSJ0884-14) Water	**Sampled: 10-21-09 14:50**		**Received: 10-22-09 08:30**						
Cadmium	ND	0.50	µg/L	1	CS08101	"	10-26-09	EPA 200.8	
WM-10 (25N05Y) (CSJ0884-15) Water	**Sampled: 10-21-09 15:15**		**Received: 10-22-09 08:30**						
Aluminum	ND	20	µg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

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 CS08033 - General Preparation										
Blank (CS08033-BLK1)				Prepared & Analyzed: 10-22-09						
Methylene Blue Active Substances	ND	0.10	mg/L							
LCS (CS08033-BS1)				Prepared & Analyzed: 10-22-09						
Methylene Blue Active Substances	0.480	0.10	mg/L	0.500		96	80-120			
LCS Dup (CS08033-BSD1)				Prepared & Analyzed: 10-22-09						
Methylene Blue Active Substances	0.476	0.10	mg/L	0.500		95	80-120	0.8	20	
Matrix Spike (CS08033-MS1)		Source: CSJ0884-01		Prepared & Analyzed: 10-22-09						
Methylene Blue Active Substances	0.500	0.10	mg/L	0.500	ND	100	75-125			
Matrix Spike Dup (CS08033-MSD1)		Source: CSJ0884-01		Prepared & Analyzed: 10-22-09						
Methylene Blue Active Substances	0.512	0.10	mg/L	0.500	ND	102	75-125	2	25	
Batch CS08034 - General Preparation										
Blank (CS08034-BLK1)				Prepared & Analyzed: 10-22-09						
Specific Conductance (EC)	ND	1.0	µmhos/cm							
Batch CS08035 - 6010A/No Digestion										
Blank (CS08035-BLK1)				Prepared & Analyzed: 10-22-09						
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	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

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 CS08035 - 6010A/No Digestion										
LCS (CS08035-BS1)				Prepared & Analyzed: 10-22-09						
Calcium	9.56	1.0	mg/L	10.0		96	80-120			
Magnesium	12.7	1.0	"	12.0		106	80-120			
Potassium	9.73	1.0	"	10.0		97	80-120			
Sodium	11.5	1.0	"	10.0		115	80-120			
LCS Dup (CS08035-BSD1)				Prepared & Analyzed: 10-22-09						
Calcium	9.65	1.0	mg/L	10.0		97	80-120	1	20	
Magnesium	12.8	1.0	"	12.0		107	80-120	0.8	20	
Potassium	9.82	1.0	"	10.0		98	80-120	1	20	
Sodium	11.6	1.0	"	10.0		116	80-120	1	20	
Matrix Spike (CS08035-MS1)		**Source: CSJ0884-01**		Prepared & Analyzed: 10-22-09						
Calcium	26.1	1.0	mg/L	10.0	15.5	105	75-125			
Magnesium	20.8	1.0	"	12.0	7.49	111	75-125			
Potassium	12.7	1.0	"	10.0	2.42	103	75-125			
Sodium	17.7	1.0	"	10.0	4.96	127	75-125			QM-7
Matrix Spike Dup (CS08035-MSD1)		**Source: CSJ0884-01**		Prepared & Analyzed: 10-22-09						
Calcium	26.9	1.0	mg/L	10.0	15.5	113	75-125	3	25	
Magnesium	22.2	1.0	"	12.0	7.49	123	75-125	7	25	
Potassium	13.7	1.0	"	10.0	2.42	112	75-125	7	25	
Sodium	18.3	1.0	"	10.0	4.96	133	75-125	3	25	QM-7
Batch CS08041 - General Preparation										
Blank (CS08041-BLK1)				Prepared & Analyzed: 10-22-09						
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	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

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 CS08041 - General Preparation										
Duplicate (CS08041-DUP1)		**Source: CSJ0884-01**		Prepared & Analyzed: 10-22-09						
Total Alkalinity	75.4	5.0	mg/L		74.8			0.8	20	
Bicarbonate as CaCO3	75.4	5.0	"		74.8			0.8	20	
Carbonate as CaCO3	ND	5.0	"		ND				20	
Hydroxide as CaCO3	ND	5.0	"		ND				20	
Batch CS08084 - General Preparation										
Blank (CS08084-BLK1)				Prepared: 10-23-09 Analyzed: 10-26-09						
Total Dissolved Solids	ND	10	mg/L							
Duplicate (CS08084-DUP1)		**Source: CSJ0884-01**		Prepared: 10-23-09 Analyzed: 10-26-09						
Total Dissolved Solids	96.0	10	mg/L		101			5	20	
Batch CS08103 - General Prep										
Blank (CS08103-BLK1)				Prepared & Analyzed: 10-26-09						
Chloride	ND	0.50	mg/L							
Sulfate as SO4	ND	0.50	"							
LCS (CS08103-BS1)				Prepared & Analyzed: 10-26-09						
Chloride	1.92	0.50	mg/L	2.00		96	80-120			
Sulfate as SO4	5.19	0.50	"	5.00		104	80-120			
LCS Dup (CS08103-BSD1)				Prepared & Analyzed: 10-26-09						
Chloride	1.95	0.50	mg/L	2.00		97	80-120	2	20	
Sulfate as SO4	5.26	0.50	"	5.00		105	80-120	1	20	

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

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 CS08103 - General Prep										
Matrix Spike (CS08103-MS1)		**Source: CSJ0884-01**		Prepared & Analyzed: 10-26-09						
Sulfate as SO4	5.50	0.50	mg/L	5.00	ND	110	75-125			
Chloride	2.71	0.50	"	2.00	0.854	93	75-125			
Matrix Spike Dup (CS08103-MSD1)		**Source: CSJ0884-01**		Prepared & Analyzed: 10-26-09						
Chloride	2.78	0.50	mg/L	2.00	0.854	96	75-125	2	25	
Sulfate as SO4	5.73	0.50	"	5.00	ND	115	75-125	4	25	

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

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 CS08066 - EPA 3020A										
Blank (CS08066-BLK1)				Prepared & Analyzed: 10-23-09						
Aluminum	ND	20	µg/L							
Arsenic	ND	2.0	"							
Copper	ND	1.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
Cadmium	ND	0.50	"							
LCS (CS08066-BS1)				Prepared & Analyzed: 10-23-09						
Aluminum	100	20	µg/L	100		100	80-120			
Arsenic	100	2.0	"	100		100	80-120			
Copper	105	1.0	"	100		105	80-120			
Iron	131	50	"	100		131	80-120			QM-7
Zinc	108	2.0	"	100		108	80-120			
Cadmium	10.5	0.50	"	10.0		105	80-120			
LCS Dup (CS08066-BSD1)				Prepared & Analyzed: 10-23-09						
Aluminum	103	20	µg/L	100		103	80-120	3	20	
Arsenic	102	2.0	"	100		102	80-120	2	20	
Copper	112	1.0	"	100		112	80-120	6	20	
Iron	131	50	"	100		131	80-120	0.5	20	QM-7
Zinc	105	2.0	"	100		105	80-120	3	20	
Cadmium	11.0	0.50	"	10.0		110	80-120	4	20	
Matrix Spike (CS08066-MS1)		**Source: CSJ0884-01**		Prepared & Analyzed: 10-23-09						
Aluminum	115	20	µg/L	100	18.7	97	75-125			
Arsenic	105	2.0	"	100	ND	105	75-125			
Copper	104	1.0	"	100	0.320	103	75-125			
Iron	653	50	"	100	542	111	75-125			
Zinc	99.8	2.0	"	100	ND	100	75-125			
Cadmium	10.7	0.50	"	10.0	ND	107	75-125			

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

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 CS08066 - EPA 3020A										
Matrix Spike (CS08066-MS2)		**Source: CSJ0884-10**		Prepared & Analyzed: 10-23-09						
Aluminum	136	20	µg/L	100	39.4	97	75-125			
Arsenic	106	2.0	"	100	ND	106	75-125			
Copper	117	1.0	"	100	14.3	103	75-125			
Iron	461	50	"	100	344	117	75-125			
Zinc	101	2.0	"	100	2.96	98	75-125			
Cadmium	11.0	0.50	"	10.0	ND	110	75-125			
Matrix Spike Dup (CS08066-MSD1)		**Source: CSJ0884-01**		Prepared & Analyzed: 10-23-09						
Aluminum	115	20	µg/L	100	18.7	96	75-125	0.6	25	
Arsenic	104	2.0	"	100	ND	104	75-125	1	25	
Copper	103	1.0	"	100	0.320	102	75-125	0.9	25	
Iron	653	50	"	100	542	111	75-125	0.04	25	
Zinc	99.9	2.0	"	100	ND	100	75-125	0.1	25	
Cadmium	10.7	0.50	"	10.0	ND	107	75-125	0.09	25	
Matrix Spike Dup (CS08066-MSD2)		**Source: CSJ0884-10**		Prepared & Analyzed: 10-23-09						
Aluminum	132	20	µg/L	100	39.4	92	75-125	3	25	
Arsenic	104	2.0	"	100	ND	104	75-125	2	25	
Copper	114	1.0	"	100	14.3	100	75-125	2	25	
Iron	435	50	"	100	344	91	75-125	6	25	
Zinc	97.5	2.0	"	100	2.96	95	75-125	3	25	
Cadmium	10.7	0.50	"	10.0	ND	107	75-125	3	25	

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

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 CS08101 - EPA 3020A										
Blank (CS08101-BLK1)				Prepared & Analyzed: 10-26-09						
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
Cadmium	ND	0.50	"							
LCS (CS08101-BS1)				Prepared & Analyzed: 10-26-09						
Aluminum	95.7	20	µg/L	100		96	80-120			
Arsenic	103	5.0	"	100		103	80-120			
Copper	103	2.0	"	100		103	80-120			
Iron	98.2	50	"	100		98	80-120			
Zinc	104	2.0	"	100		104	80-120			
Cadmium	10.2	0.50	"	10.0		102	80-120			
LCS Dup (CS08101-BSD1)				Prepared & Analyzed: 10-26-09						
Aluminum	96.0	20	µg/L	100		96	80-120	0.4	20	
Arsenic	103	5.0	"	100		103	80-120	0.3	20	
Copper	104	2.0	"	100		104	80-120	1	20	
Iron	107	50	"	100		107	80-120	9	20	
Zinc	102	2.0	"	100		102	80-120	3	20	
Cadmium	10.0	0.50	"	10.0		100	80-120	2	20	
Matrix Spike (CS08101-MS1)		**Source: CSJ0884-02**		Prepared & Analyzed: 10-26-09						
Aluminum	98.6	20	µg/L	100	10.8	88	75-125			
Arsenic	103	5.0	"	100	ND	103	75-125			
Copper	99.0	2.0	"	100	2.85	96	75-125			
Iron	282	50	"	100	188	94	75-125			
Zinc	99.6	2.0	"	100	2.16	97	75-125			
Cadmium	10.1	0.50	"	10.0	ND	101	75-125			

California Laboratory Services

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CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

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 CS08101 - EPA 3020A										
Matrix Spike (CS08101-MS2)	**Source: CSJ0884-10**			Prepared & Analyzed: 10-26-09						
Aluminum	98.9	20	µg/L	100	12.4	87	75-125			
Arsenic	102	5.0	"	100	ND	102	75-125			
Copper	105	2.0	"	100	10.8	94	75-125			
Iron	317	50	"	100	255	62	75-125			QM-7
Zinc	99.0	2.0	"	100	2.94	96	75-125			
Cadmium	10.4	0.50	"	10.0	ND	104	75-125			
Matrix Spike Dup (CS08101-MSD1)	**Source: CSJ0884-02**			Prepared & Analyzed: 10-26-09						
Aluminum	101	20	µg/L	100	10.8	90	75-125	3	25	
Arsenic	103	5.0	"	100	ND	103	75-125	0.4	25	
Copper	99.6	2.0	"	100	2.85	97	75-125	0.6	25	
Iron	288	50	"	100	188	100	75-125	2	25	
Zinc	102	2.0	"	100	2.16	100	75-125	3	25	
Cadmium	10.2	0.50	"	10.0	ND	102	75-125	0.9	25	
Matrix Spike Dup (CS08101-MSD2)	**Source: CSJ0884-10**			Prepared & Analyzed: 10-26-09						
Aluminum	97.9	20	µg/L	100	12.4	85	75-125	1	25	
Arsenic	98.9	5.0	"	100	ND	99	75-125	3	25	
Copper	105	2.0	"	100	10.8	94	75-125	0.1	25	
Iron	327	50	"	100	255	72	75-125	3	25	QM-7
Zinc	98.8	2.0	"	100	2.94	96	75-125	0.2	25	
Cadmium	10.1	0.50	"	10.0	ND	101	75-125	3	25	

CALIFORNIA LABORATORY SERVICES

10-28-09 15:23

CRWQCB - Sacramento	Project: Walker Mine	
11020 Sun Center Drive, Ste. 200	Project Number: 07-023-150-0	**CLS Work Order #: CSJ0884**
Rancho Cordova CA, 95670-6114	Project Manager: Jeff Huggins	COC #: 94812,84178

Notes and Definitions

QM-7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
HT-F	This is a field test method and it is performed in the lab outside 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