

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

16 June 2010

CLS Work Order #: CTF0482

COC #: 2 Chains

Leticia Valadez
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 06/10/10 09:15. 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

REPORT TO:

NAME AND ADDRESS

Leticia Velazquez

Central Valley Water Board

Rancho Cordoba, CA 95619

PROJECT MANAGER

Jeff Higgins (916) 464-4639

PROJECT NAME

Walker Mine

SAMPLED BY

Jeff Higgins/Rob Hall

JOB DESCRIPTION

Water Quality Monitoring

CLIENT JOB NUMBER

01-023-150

DESTINATION LABORATORY

CLS (916) 638-7301

3249 FITZGERALD RD.
RANCHO CORDOBA, CA, 95742

OTHER

ANALYSIS REQUESTED

PRESERVATIVES - HNO₃
 Bid Group 7 - General Minerals
 Bid Group 7 - Metals (Total)
 Bid Group 7 - Metals (Dissolved)

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:

Need low detection limits for Metals

DATE	TIME	IDENTIFICATION	SAMPLE	MATRIX	CONTAINER		PRESERVATIVES	ANALYSIS REQUESTED	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
					NO.	TYPE				
6-9-10	0920	WM-5	LC/LMS.	Water	3	Plastic	1/3			
		0940	WM-3	DC/D5						
		0950	WM-19	Pond						
1036 →		1030	WM-1	Pond						
		1020	WM-2	DC-LMS.						
		1215	WM-4	2048" Culvert						
		1230	WM-9	LECO Brauns Cabin						
		1250	WM-6	MSSFS Dam						
		1300	WM-7b							
		1305	WM-7c							
		1325	WM-7a							
		1420	WM-11							
		1430	WM-12							

SUSPECTED CONSTITUENTS

(1) HCL
(2) HNO₃

(3) = COLD
(4) = NaOH

(5) = H₂SO₄
(6) = Na₂S₂O₃

(7) =

RELINQUISHED BY (SIGN)

Robert Hall

PRINT NAME / COMPANY

Robert Hall CURB

DATE / TIME

6/10/10 0915

RECEIVED BY (SIGN)

Robert Hall

PRINT NAME / COMPANY

READ AT LAB BY:

Robert Hall

DATE / TIME

6/10 0910

CONDITIONS / COMMENTS

304°C

SHIPPED BY:

FED X

UPS

OTHER

AIR BILL #

REPORT TO:

NAME AND ADDRESS
Leticia Velardez
Central Valley Water Board
Rancho Cordova, CA 95710
PROJECT MANAGER
Jeff Huggins (916) 464-4139
PROJECT NAME
Walker Mine
SAMPLED BY
Jeff Huggins/Rob Hall
JOB DESCRIPTION
Water Quality Monitoring

CLIENT JOB NUMBER
07-023-150

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

ANALYSIS REQUESTED

GEOTRACKER: YES NO
EDF REPORT YES NO
GLOBAL ID: _____
COMPOSITE: _____
FIELD CONDITIONS: _____

SITE LOCATION

Plumas County

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	TYPE
6-9-10	1440	WM-13	Water	3	Plastic
	1445	WM-17			
	1520	WM-18			
	1545	WM-16			
	1600	WM-15			
	1605	WM-14			
	1700	WM-10			

PRESERVATIVES: HNO₃
 Bid Group 7 - General Minerals
 Bid Group 7 - Metals (Total)
 Bid Group 7 - Metals (Dissolved)

TURN AROUND TIME	SPECIAL INSTRUCTIONS	
	OR	ALT. ID:
1 DAY		
2 DAY		
5 DAY		
10 DAY		

Need low detection limits for Metals.

SUSPECTED CONSTITUENTS

PRESERVATIVES:

(1) HCl
(2) HNO₃
(3) = COLD
(4) = NaOH

(5) = H₂SO₄
(6) = Na₂S₂O₃
(7) =

RELINQUISHED BY (SIGN)

[Signature]

PRINT NAME / COMPANY

Robert Hall CURS

RECEIVED BY (SIGN)

[Signature]

PRINT NAME / COMPANY

09/10/10 0915

RECD AT LAB BY:

[Signature]

DATE/TIME:

6/10/10

DATE / TIME

0915

CONDITIONS / COMMENTS

3042

SHIPPED BY:

FED X

UPS

OTHER

AIR BILL #

MDL REPORT

This is a "MDL Report", thus if the report denotes an "ND" for a particular analyte, it should be noted that the analyte was not detected at or above the MDL.

CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-5 (LGC/MS) (CTF0482-01) Water Sampled: 06/09/10 09:20 Received: 06/10/10 09:15										
Total Alkalinity	22		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	22		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.51		0.50	"	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Specific Conductance (EC)	44		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	5.2	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	1.7	0.028	1.0	"	1	"	"	"	"	
Potassium	ND	0.87	1.0	"	1	"	"	"	"	
Sodium	2.7	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	20		1.0	"	1	"	"	"	"	
pH	7.16		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	ND		0.50	mg/L	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Total Dissolved Solids	47		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-3 (DC/DS) (CTF0482-02) Water Sampled: 06/09/10 09:40 Received: 06/10/10 09:15										
Total Alkalinity	55		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	55		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.55		0.50	"	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Specific Conductance (EC)	110		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	12	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	5.9	0.028	1.0	"	1	"	"	"	"	
Potassium	0.97	0.87	1.0	"	1	"	"	"	"	J
Sodium	3.0	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	54		1.0	"	1	"	"	"	"	
pH	7.52		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	1.6		0.50	mg/L	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Total Dissolved Solids	81		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	MDL	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
			Limit	Units						
WM-19 (Pond) (CTF0482-03) Water Sampled: 06/09/10 09:50 Received: 06/10/10 09:15										
Total Alkalinity	15		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	15		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.55		0.50	"	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Specific Conductance (EC)	160		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	20	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	4.5	0.028	1.0	"	1	"	"	"	"	
Potassium	1.8	0.87	1.0	"	1	"	"	"	"	
Sodium	3.9	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	68		1.0	"	1	"	"	"	"	
pH	6.88		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	55		2.5	mg/L	5	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	130		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-1 (Portal) (CTF0482-04) Water Sampled: 06/09/10 10:30 Received: 06/10/10 09:15										
Total Alkalinity	61		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	61		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.66		0.50	"	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Specific Conductance (EC)	120		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	12	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	5.0	0.028	1.0	"	1	"	"	"	"	
Potassium	ND	0.87	1.0	"	1	"	"	"	"	
Sodium	5.2	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	51		1.0	"	1	"	"	"	"	
pH	7.67		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	1.2		0.50	mg/L	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Total Dissolved Solids	99		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	

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06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-2 (DC/MS) (CTF0482-05) Water Sampled: 06/09/10 10:20 Received: 06/10/10 09:15										
Total Alkalinity	68		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	68		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.60		0.50	"	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Specific Conductance (EC)	130		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	15	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	7.8	0.028	1.0	"	1	"	"	"	"	
Potassium	ND	0.87	1.0	"	1	"	"	"	"	
Sodium	2.9	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	69		1.0	"	1	"	"	"	"	
pH	7.67		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	ND		0.50	mg/L	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Total Dissolved Solids	99		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-4 (@ 48' Culvert) (CTF0482-06) Water Sampled: 06/09/10 12:15 Received: 06/10/10 09:15										
Total Alkalinity	50		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	50		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.57		0.50	"	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Specific Conductance (EC)	98		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	11	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	5.3	0.028	1.0	"	1	"	"	"	"	
Potassium	1.1	0.87	1.0	"	1	"	"	"	"	
Sodium	3.0	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	50		1.0	"	1	"	"	"	"	
pH	7.62		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	1.7		0.50	mg/L	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Total Dissolved Solids	83		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	

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CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-9 (LGC @ Browns Cabin) (CTF0482-07) Water Sampled: 06/09/10 12:30 Received: 06/10/10 09:15										
Total Alkalinity	28		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	28		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.51		0.50	"	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Specific Conductance (EC)	48		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	5.7	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	1.8	0.028	1.0	"	1	"	"	"	"	
Potassium	ND	0.87	1.0	"	1	"	"	"	"	
Sodium	2.6	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	21		1.0	"	1	"	"	"	"	
pH	7.61		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	0.84		0.50	mg/L	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Total Dissolved Solids	52		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-6 (MSFS Dam) (CTF0482-08) Water Sampled: 06/09/10 12:50 Received: 06/10/10 09:15										
Total Alkalinity	39		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	39		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.59		0.50	"	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	210		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	22	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	4.1	0.028	1.0	"	1	"	"	"	"	
Potassium	2.3	0.87	1.0	"	1	"	"	"	"	
Sodium	4.9	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	73		1.0	"	1	"	"	"	"	
pH	7.79		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	39		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	120		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	

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CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-7b (CTF0482-09) Water Sampled: 06/09/10 13:00 Received: 06/10/10 09:15										
Total Alkalinity	48		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	48		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.57		0.50	"	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	99		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	12	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	5.2	0.028	1.0	"	1	"	"	"	"	
Potassium	1.1	0.87	1.0	"	1	"	"	"	"	
Sodium	3.2	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	50		1.0	"	1	"	"	"	"	
pH	8.05		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	1.9		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	77		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-7c (CTF0482-10) Water Sampled: 06/09/10 13:05 Received: 06/10/10 09:15										
Total Alkalinity	24		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	24		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.51		0.50	"	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	49		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	5.6	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	1.7	0.028	1.0	"	1	"	"	"	"	
Potassium	ND	0.87	1.0	"	1	"	"	"	"	
Sodium	2.6	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	21		1.0	"	1	"	"	"	"	
pH	7.26		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	0.71		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	47		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-7a (CTF0482-11) Water Sampled: 06/09/10 13:25 Received: 06/10/10 09:15										
Total Alkalinity	51		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	51		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.56		0.50	"	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	98		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	12	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	5.3	0.028	1.0	"	1	"	"	"	"	
Potassium	1.1	0.87	1.0	"	1	"	"	"	"	
Sodium	3.2	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	51		1.0	"	1	"	"	"	"	
pH	7.84		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	1.8		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	79		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-11 (CTF0482-12) Water Sampled: 06/09/10 14:20 Received: 06/10/10 09:15										
Total Alkalinity	15		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	15		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.51		0.50	"	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	33		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	3.1	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	1.1	0.028	1.0	"	1	"	"	"	"	
Potassium	ND	0.87	1.0	"	1	"	"	"	"	
Sodium	1.8	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	12		1.0	"	1	"	"	"	"	
pH	7.61		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	1.1		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	32		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	

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CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-12 (CTF0482-13) Water Sampled: 06/09/10 14:30 Received: 06/10/10 09:15										
Total Alkalinity	13		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	13		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.51		0.50	"	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	26		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	2.5	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	1.3	0.028	1.0	"	1	"	"	"	"	
Potassium	ND	0.87	1.0	"	1	"	"	"	"	
Sodium	1.2	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	11		1.0	"	1	"	"	"	"	
pH	6.54		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	ND		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	27		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-13 (CTF0482-14) Water Sampled: 06/09/10 14:40 Received: 06/10/10 09:15										
Total Alkalinity	28		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	28		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	ND		0.50	"	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	56		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	6.6	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	3.0	0.028	1.0	"	1	"	"	"	"	
Potassium	ND	0.87	1.0	"	1	"	"	"	"	
Sodium	1.8	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	29		1.0	"	1	"	"	"	"	
pH	7.36		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	ND		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	47		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	

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CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-17 (CTF0482-15) Water Sampled: 06/09/10 14:45 Received: 06/10/10 09:15										
Total Alkalinity	67		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	67		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.59		0.50	"	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	130		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	15	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	6.5	0.028	1.0	"	1	"	"	"	"	
Potassium	1.5	0.87	1.0	"	1	"	"	"	"	
Sodium	3.5	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	64		1.0	"	1	"	"	"	"	
pH	7.76		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	0.55		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	88		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-18 (CTF0482-16) Water Sampled: 06/09/10 15:20 Received: 06/10/10 09:15										
Total Alkalinity	66		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	66		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.59		0.50	"	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	130		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	14	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	6.1	0.028	1.0	"	1	"	"	"	"	
Potassium	1.6	0.87	1.0	"	1	"	"	"	"	
Sodium	3.8	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	61		1.0	"	1	"	"	"	"	
pH	7.94		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	0.61		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	88		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	

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CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-16 (CTF0482-17) Water Sampled: 06/09/10 15:45 Received: 06/10/10 09:15										
Total Alkalinity	50		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	50		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.55		0.50	"	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	91		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	11	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	4.7	0.028	1.0	"	1	"	"	"	"	
Potassium	ND	0.87	1.0	"	1	"	"	"	"	
Sodium	2.6	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	47		1.0	"	1	"	"	"	"	
pH	7.77		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	ND		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	63		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-15 (CTF0482-18) Water Sampled: 06/09/10 16:00 Received: 06/10/10 09:15										
Total Alkalinity	29		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	29		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.53		0.50	"	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	53		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	6.3	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	2.6	0.028	1.0	"	1	"	"	"	"	
Potassium	ND	0.87	1.0	"	1	"	"	"	"	
Sodium	1.8	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	26		1.0	"	1	"	"	"	"	
pH	7.68		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	ND		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	40		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	

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CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-14 (CTF0482-19) Water Sampled: 06/09/10 16:05 Received: 06/10/10 09:15										
Total Alkalinity	36		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	36		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.54		0.50	"	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	70		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	12	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	1.4	0.028	1.0	"	1	"	"	"	"	
Potassium	ND	0.87	1.0	"	1	"	"	"	"	
Sodium	2.2	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	35		1.0	"	1	"	"	"	"	
pH	7.64		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	1.8		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	52		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-10 (CTF0482-20) Water Sampled: 06/09/10 17:00 Received: 06/10/10 09:15										
Total Alkalinity	23		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	23		5.0	"	1	"	"	"	"	
Carbonate as CaCO3	ND		5.0	"	1	"	"	"	"	
Hydroxide as CaCO3	ND		5.0	"	1	"	"	"	"	
Chloride	0.51		0.50	"	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	50		1.0	µmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	6.3	0.031	1.0	"	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	1.6	0.028	1.0	"	1	"	"	"	"	
Potassium	ND	0.87	1.0	"	1	"	"	"	"	
Sodium	2.2	0.021	1.0	"	1	"	"	"	"	
Hardness as CaCO3	22		1.0	"	1	"	"	"	"	
pH	7.53		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
Sulfate as SO4	0.98		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	40		10	"	1	CT04202	06/11/10	06/14/10	SM2540C	

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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: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-5 (LGC/MS) (CTF0482-01) Water Sampled: 06/09/10 09:20 Received: 06/10/10 09:15										
Aluminum	74	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	0.57	0.23	1.0	"	1	"	"	"	"	J
Iron	89	7.2	50	"	1	"	"	"	"	
Zinc	2.8	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-3 (DC/DS) (CTF0482-02) Water Sampled: 06/09/10 09:40 Received: 06/10/10 09:15										
Aluminum	60	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	25	0.23	1.0	"	1	"	"	"	"	
Iron	160	7.2	50	"	1	"	"	"	"	
Zinc	6.4	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-19 (Pond) (CTF0482-03) Water Sampled: 06/09/10 09:50 Received: 06/10/10 09:15										
Aluminum	95	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	1800 ?	1.2	5.0	"	5	"	"	06/11/10	"	
Iron	320	7.2	50	"	1	"	"	06/11/10	"	
Zinc	170	0.93	2.0	"	1	"	"	"	"	
Cadmium	1.2	0.50	0.50	"	1	"	"	"	"	
WM-1 (Portal) (CTF0482-04) Water Sampled: 06/09/10 10:30 Received: 06/10/10 09:15										
Aluminum	5.0	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	J
Arsenic	16	0.85	2.0	"	1	"	"	"	"	
Copper	87	0.23	1.0	"	1	"	"	"	"	
Iron	ND	7.2	50	"	1	"	"	"	"	
Zinc	26	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-2 (DC/MS) (CTF0482-05) Water Sampled: 06/09/10 10:20 Received: 06/10/10 09:15										
Aluminum	23	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	0.43	0.23	1.0	"	1	"	"	"	"	J
Iron	21	7.2	50	"	1	"	"	"	"	J
Zinc	ND	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-4 (@ 48' Culvert) (CTF0482-06) Water Sampled: 06/09/10 12:15 Received: 06/10/10 09:15										
Aluminum	51	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	32	0.23	1.0	"	1	"	"	"	"	
Iron	110	7.2	50	"	1	"	"	"	"	
Zinc	10	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-9 (LGC @ Browns Cabin) (CTF0482-07) Water Sampled: 06/09/10 12:30 Received: 06/10/10 09:15										
Aluminum	59	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	2.2	0.23	1.0	"	1	"	"	"	"	
Iron	89	7.2	50	"	1	"	"	"	"	
Zinc	6.2	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-6 (MSFS Dam) (CTF0482-08) Water Sampled: 06/09/10 12:50 Received: 06/10/10 09:15										
Aluminum	19	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	J
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	51	0.23	1.0	"	1	"	"	"	"	
Iron	190	7.2	50	"	1	"	"	"	"	
Zinc	36	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-7b (CTF0482-09) Water Sampled: 06/09/10 13:00 Received: 06/10/10 09:15										
Aluminum	110	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	39	0.23	1.0	"	1	"	"	"	"	
Iron	240	7.2	50	"	1	"	"	"	"	
Zinc	10	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-7c (CTF0482-10) Water Sampled: 06/09/10 13:05 Received: 06/10/10 09:15										
Aluminum	69	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	0.64	0.23	1.0	"	1	"	"	"	"	J
Iron	95	7.2	50	"	1	"	"	"	"	
Zinc	ND	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-7a (CTF0482-11) Water Sampled: 06/09/10 13:25 Received: 06/10/10 09:15										
Aluminum	38	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	37	0.23	1.0	"	1	"	"	"	"	
Iron	140	7.2	50	"	1	"	"	"	"	
Zinc	6.3	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-11 (CTF0482-12) Water Sampled: 06/09/10 14:20 Received: 06/10/10 09:15										
Aluminum	71	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	9.6	0.23	1.0	"	1	"	"	"	"	
Iron	42	7.2	50	"	1	"	"	"	"	J
Zinc	5.5	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-12 (CTF0482-13) Water Sampled: 06/09/10 14:30 Received: 06/10/10 09:15										
Aluminum	110	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	17	0.23	1.0	"	1	"	"	"	"	
Iron	81	7.2	50	"	1	"	"	"	"	
Zinc	8.5	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-13 (CTF0482-14) Water Sampled: 06/09/10 14:40 Received: 06/10/10 09:15										
Aluminum	33	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	0.49	0.23	1.0	"	1	"	"	"	"	J
Iron	15	7.2	50	"	1	"	"	"	"	J
Zinc	6.7	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-17 (CTF0482-15) Water Sampled: 06/09/10 14:45 Received: 06/10/10 09:15										
Aluminum	28	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	0.35	0.23	1.0	"	1	"	"	"	"	J
Iron	8.6	7.2	50	"	1	"	"	"	"	J
Zinc	ND	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-18 (CTF0482-16) Water Sampled: 06/09/10 15:20 Received: 06/10/10 09:15										
Aluminum	60	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	0.36	0.23	1.0	"	1	"	"	"	"	J
Iron	30	7.2	50	"	1	"	"	"	"	J
Zinc	ND	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-16 (CTF0482-17) Water Sampled: 06/09/10 15:45 Received: 06/10/10 09:15										
Aluminum	25	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	0.48	0.23	1.0	"	1	"	"	"	"	J
Iron	15	7.2	50	"	1	"	"	"	"	J
Zinc	4.5	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-15 (CTF0482-18) Water Sampled: 06/09/10 16:00 Received: 06/10/10 09:15										
Aluminum	70	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	5.0	0.23	1.0	"	1	"	"	"	"	
Iron	47	7.2	50	"	1	"	"	"	"	J
Zinc	2.2	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-14 (CTF0482-19) Water Sampled: 06/09/10 16:05 Received: 06/10/10 09:15										
Aluminum	91	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	5.9	0.23	1.0	"	1	"	"	"	"	
Iron	59	7.2	50	"	1	"	"	"	"	
Zinc	7.3	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-10 (CTF0482-20) Water Sampled: 06/09/10 17:00 Received: 06/10/10 09:15										
Aluminum	72	5.0	20	µg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	"	1	"	"	"	"	
Copper	3.9	0.23	1.0	"	1	"	"	"	"	
Iron	82	7.2	50	"	1	"	"	"	"	
Zinc	7.9	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-5 (LGC/MS) (CTF0482-01) Water Sampled: 06/09/10 09:20 Received: 06/10/10 09:15										
Aluminum	27	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	0.51	0.23	2.0	"	1	"	"	"	"	J
Iron	23	7.2	50	"	1	"	"	"	"	J
Zinc	3.4	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-3 (DC/DS) (CTF0482-02) Water Sampled: 06/09/10 09:40 Received: 06/10/10 09:15										
Aluminum	22	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	18	0.23	2.0	"	1	"	"	"	"	
Iron	36	7.2	50	"	1	"	"	"	"	J
Zinc	5.0	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-19 (Pond) (CTF0482-03) Water Sampled: 06/09/10 09:50 Received: 06/10/10 09:15										
Aluminum	ND	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	1200	1.2	10	"	5	"	"	"	"	
Iron	ND	7.2	50	"	1	"	"	"	"	
Zinc	170	0.93	2.0	"	1	"	"	"	"	
Cadmium	1.1	0.50	0.50	"	1	"	"	"	"	
WM-1 (Portal) (CTF0482-04) Water Sampled: 06/09/10 10:30 Received: 06/10/10 09:15										
Aluminum	ND	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	17	0.85	5.0	"	1	"	"	"	"	
Copper	81	0.23	2.0	"	1	"	"	"	"	
Iron	ND	7.2	50	"	1	"	"	"	"	
Zinc	27	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-2 (DC/MS) (CTF0482-05) Water Sampled: 06/09/10 10:20 Received: 06/10/10 09:15										
Aluminum	ND	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	0.33	0.23	2.0	"	1	"	"	"	"	J
Iron	ND	7.2	50	"	1	"	"	"	"	
Zinc	1.3	0.93	2.0	"	1	"	"	"	"	J
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-4 (@ 48' Culvert) (CTF0482-06) Water Sampled: 06/09/10 12:15 Received: 06/10/10 09:15										
Aluminum	22	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	25	0.23	2.0	"	1	"	"	"	"	
Iron	34	7.2	50	"	1	"	"	"	"	J
Zinc	5.6	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-9 (LGC @ Browns Cabin) (CTF0482-07) Water Sampled: 06/09/10 12:30 Received: 06/10/10 09:15										
Aluminum	20	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	J
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	1.6	0.23	2.0	"	1	"	"	"	"	J
Iron	35	7.2	50	"	1	"	"	"	"	J
Zinc	5.0	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-6 (MSFS Dam) (CTF0482-08) Water Sampled: 06/09/10 12:50 Received: 06/10/10 09:15										
Aluminum	ND	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	36	0.23	2.0	"	1	"	"	"	"	
Iron	59	7.2	50	"	1	"	"	"	"	
Zinc	29	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: [none] Project Manager: Leticia Valadez	CLS Work Order #: CTF0482 COC #: 2 Chains
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Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-7b (CTF0482-09) Water Sampled: 06/09/10 13:00 Received: 06/10/10 09:15										
Aluminum	19	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	J
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	26	0.23	2.0	"	1	"	"	"	"	
Iron	60	7.2	50	"	1	"	"	"	"	
Zinc	7.5	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-7c (CTF0482-10) Water Sampled: 06/09/10 13:05 Received: 06/10/10 09:15										
Aluminum	22	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	0.45	0.23	2.0	"	1	"	"	"	"	J
Iron	27	7.2	50	"	1	"	"	"	"	J
Zinc	2.0	0.93	2.0	"	1	"	"	"	"	J
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-7a (CTF0482-11) Water Sampled: 06/09/10 13:25 Received: 06/10/10 09:15										
Aluminum	18	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	J
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	28	0.23	2.0	"	1	"	"	"	"	
Iron	70	7.2	50	"	1	"	"	"	"	
Zinc	4.9	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-11 (CTF0482-12) Water Sampled: 06/09/10 14:20 Received: 06/10/10 09:15										
Aluminum	39	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	8.5	0.23	2.0	"	1	"	"	"	"	
Iron	ND	7.2	50	"	1	"	"	"	"	
Zinc	2.5	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-12 (CTF0482-13) Water Sampled: 06/09/10 14:30 Received: 06/10/10 09:15										
Aluminum	35	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	12	0.23	2.0	"	1	"	"	"	"	
Iron	ND	7.2	50	"	1	"	"	"	"	
Zinc	5.9	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-13 (CTF0482-14) Water Sampled: 06/09/10 14:40 Received: 06/10/10 09:15										
Aluminum	9.1	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	J
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	0.31	0.23	2.0	"	1	"	"	"	"	J
Iron	ND	7.2	50	"	1	"	"	"	"	
Zinc	5.5	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-17 (CTF0482-15) Water Sampled: 06/09/10 14:45 Received: 06/10/10 09:15										
Aluminum	5.0	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	J
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	0.26	0.23	2.0	"	1	"	"	"	"	J
Iron	ND	7.2	50	"	1	"	"	"	"	
Zinc	ND	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-18 (CTF0482-16) Water Sampled: 06/09/10 15:20 Received: 06/10/10 09:15										
Aluminum	5.1	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	J
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	0.25	0.23	2.0	"	1	"	"	"	"	J
Iron	ND	7.2	50	"	1	"	"	"	"	
Zinc	ND	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-16 (CTF0482-17) Water Sampled: 06/09/10 15:45 Received: 06/10/10 09:15										
Aluminum	7.2	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	J
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	0.37	0.23	2.0	"	1	"	"	"	"	J
Iron	ND	7.2	50	"	1	"	"	"	"	
Zinc	1.3	0.93	2.0	"	1	"	"	"	"	J
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-15 (CTF0482-18) Water Sampled: 06/09/10 16:00 Received: 06/10/10 09:15										
Aluminum	39	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	3.7	0.23	2.0	"	1	"	"	"	"	
Iron	ND	7.2	50	"	1	"	"	"	"	
Zinc	ND	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-14 (CTF0482-19) Water Sampled: 06/09/10 16:05 Received: 06/10/10 09:15										
Aluminum	19	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	J
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	4.0	0.23	2.0	"	1	"	"	"	"	
Iron	ND	7.2	50	"	1	"	"	"	"	
Zinc	2.3	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	
WM-10 (CTF0482-20) Water Sampled: 06/09/10 17:00 Received: 06/10/10 09:15										
Aluminum	16	5.0	20	µg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	J
Arsenic	ND	0.85	5.0	"	1	"	"	"	"	
Copper	2.2	0.23	2.0	"	1	"	"	"	"	
Iron	ND	7.2	50	"	1	"	"	"	"	
Zinc	5.5	0.93	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	0.50	"	1	"	"	"	"	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

06/16/10 08:00

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

Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control CLS Labs

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CT04167 - General Prep											
Blank (CT04167-BLK1)											
Prepared & Analyzed: 06/10/10											
Sulfate as SO4	ND		0.50	mg/L							
Chloride	ND		0.50	"							
LCS (CT04167-BS1)											
Prepared & Analyzed: 06/10/10											
Chloride	2.01		0.50	mg/L	2.00		100	80-120			
Sulfate as SO4	4.95		0.50	"	5.00		99	80-120			
LCS Dup (CT04167-BSD1)											
Prepared & Analyzed: 06/10/10											
Chloride	2.02		0.50	mg/L	2.00		101	80-120	0.3	20	
Sulfate as SO4	4.94		0.50	"	5.00		99	80-120	0.2	20	
Matrix Spike (CT04167-MS1)											
			Source: CTF0483-01			Prepared & Analyzed: 06/10/10					
Sulfate as SO4	10.4		0.50	mg/L	5.00	5.37	100	75-125			
Chloride	22.1		0.50	"	2.00	20.7	70	75-125			QM-4X
Matrix Spike Dup (CT04167-MSD1)											
			Source: CTF0483-01			Prepared & Analyzed: 06/10/10					
Chloride	22.4		0.50	mg/L	2.00	20.7	84	75-125	1	25	
Sulfate as SO4	10.4		0.50	"	5.00	5.37	101	75-125	0.3	25	
Batch CT04168 - 6010A/No Digestion											
Blank (CT04168-BLK1)											
Prepared & Analyzed: 06/10/10											
Calcium	ND	0.031	1.0	mg/L							
Magnesium	ND	0.028	1.0	"							
Potassium	ND	0.87	1.0	"							
Sodium	ND	0.021	1.0	"							
Hardness as CaCO3	ND		1.0	"							

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Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control CLS Labs

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CT04168 - 6010A/No Digestion											
LCS (CT04168-BS1) Prepared & Analyzed: 06/10/10											
Calcium	9.65	0.031	1.0	mg/L	10.0		96	80-120			
Magnesium	11.2	0.028	1.0	"	10.0		112	80-120			
Potassium	9.70	0.87	1.0	"	10.0		97	80-120			
Sodium	11.2	0.021	1.0	"	10.0		112	80-120			
LCS Dup (CT04168-BSD1) Prepared & Analyzed: 06/10/10											
Calcium	9.84	0.031	1.0	mg/L	10.0		98	80-120	2	20	
Magnesium	11.4	0.028	1.0	"	10.0		114	80-120	2	20	
Potassium	9.79	0.87	1.0	"	10.0		98	80-120	1	20	
Sodium	11.4	0.021	1.0	"	10.0		114	80-120	2	20	
Matrix Spike (CT04168-MS1) Source: CTF0482-01 Prepared & Analyzed: 06/10/10											
Calcium	14.0	0.031	1.0	mg/L	10.0	5.24	88	75-125			
Magnesium	12.3	0.028	1.0	"	10.0	1.70	106	75-125			
Potassium	9.90	0.87	1.0	"	10.0	ND	99	75-125			
Sodium	13.1	0.021	1.0	"	10.0	2.68	104	75-125			
Matrix Spike Dup (CT04168-MSD1) Source: CTF0482-01 Prepared & Analyzed: 06/10/10											
Calcium	14.1	0.031	1.0	mg/L	10.0	5.24	88	75-125	0.1	25	
Magnesium	12.3	0.028	1.0	"	10.0	1.70	106	75-125	0	25	
Potassium	9.96	0.87	1.0	"	10.0	ND	100	75-125	0.6	25	
Sodium	13.1	0.021	1.0	"	10.0	2.68	104	75-125	0.3	25	
Batch CT04169 - General Preparation											
Blank (CT04169-BLK1) Prepared & Analyzed: 06/10/10											
Specific Conductance (EC)	ND				1.0 µmhos/cm						

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Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control CLS Labs

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CT04172 - General Preparation											
Blank (CT04172-BLK1)					Prepared: 06/10/10 Analyzed: 06/11/10						
Methylene Blue Active Substances	ND		0.10	mg/L							
LCS (CT04172-BS1)					Prepared: 06/10/10 Analyzed: 06/11/10						
Methylene Blue Active Substances	0.483		0.10	mg/L	0.500		97	80-120			
LCS Dup (CT04172-BSD1)					Prepared: 06/10/10 Analyzed: 06/11/10						
Methylene Blue Active Substances	0.481		0.10	mg/L	0.500		96	80-120	0.4	20	
Matrix Spike (CT04172-MS1)					Source: CTF0482-01		Prepared: 06/10/10 Analyzed: 06/11/10				
Methylene Blue Active Substances	0.494		0.10	mg/L	0.500	ND	99	75-125			
Matrix Spike Dup (CT04172-MSD1)					Source: CTF0482-01		Prepared: 06/10/10 Analyzed: 06/11/10				
Methylene Blue Active Substances	0.497		0.10	mg/L	0.500	ND	99	75-125	0.6	25	
Batch CT04196 - General Preparation											
Blank (CT04196-BLK1)					Prepared & Analyzed: 06/11/10						
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	"							
Duplicate (CT04196-DUP1)					Source: CTF0482-01		Prepared & Analyzed: 06/11/10				
Total Alkalinity	21.8		5.0	mg/L		22.4			3	20	
Bicarbonate as CaCO3	21.8		5.0	"		22.4			3	20	
Carbonate as CaCO3	ND		5.0	"		ND				20	
Hydroxide as CaCO3	ND		5.0	"		ND				20	

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Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control CLS Labs

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CT04202 - General Preparation

Blank (CT04202-BLK1)

Prepared: 06/11/10 Analyzed: 06/14/10

Total Dissolved Solids ND 10 mg/L

Duplicate (CT04202-DUP1)

Source: CTF0482-08

Prepared: 06/11/10 Analyzed: 06/14/10

Total Dissolved Solids 123 10 mg/L 119 3 20

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Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Metals by EPA 200 Series Methods - Quality Control

CLS Labs

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CT04189 - EPA 3020A											
Blank (CT04189-BLK1) Prepared & Analyzed: 06/11/10											
Aluminum	ND	5.0	20	µg/L							
Arsenic	ND	0.85	2.0	"							
Copper	ND	0.23	1.0	"							
Iron	ND	7.2	50	"							
Zinc	ND	0.93	2.0	"							
Cadmium	ND	0.50	0.50	"							
LCS (CT04189-BS1) Prepared & Analyzed: 06/11/10											
Aluminum	105	5.0	20	µg/L	100		105	80-120			
Arsenic	103	0.85	2.0	"	100		103	80-120			
Copper	110	0.23	1.0	"	100		110	80-120			
Iron	120	7.2	50	"	100		120	80-120			
Zinc	108	0.93	2.0	"	100		108	80-120			
Cadmium	10.3	0.50	0.50	"	10.0		103	80-120			
LCS Dup (CT04189-BSD1) Prepared & Analyzed: 06/11/10											
Aluminum	111	5.0	20	µg/L	100		111	80-120	5	20	
Arsenic	105	0.85	2.0	"	100		105	80-120	2	20	
Copper	113	0.23	1.0	"	100		113	80-120	3	20	
Iron	126	7.2	50	"	100		126	80-120	5	20	QM-1
Zinc	113	0.93	2.0	"	100		113	80-120	4	20	
Cadmium	10.5	0.50	0.50	"	10.0		105	80-120	1	20	
Matrix Spike (CT04189-MS1) Source: CTF0482-01 Prepared & Analyzed: 06/11/10											
Aluminum	181	5.0	20	µg/L	100	73.5	108	75-125			
Arsenic	105	0.85	2.0	"	100	ND	105	75-125			
Copper	103	0.23	1.0	"	100	0.570	103	75-125			
Iron	193	7.2	50	"	100	89.3	103	75-125			
Zinc	104	0.93	2.0	"	100	2.79	102	75-125			
Cadmium	10.6	0.50	0.50	"	10.0	ND	106	75-125			

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Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Metals by EPA 200 Series Methods - Quality Control

CLS Labs

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CT04189 - EPA 3020A											
Matrix Spike (CT04189-MS2)		Source: CTF0482-10			Prepared & Analyzed: 06/11/10						
Aluminum	168	5.0	20	µg/L	100	69.3	98	75-125			
Arsenic	104	0.85	2.0	"	100	ND	104	75-125			
Copper	104	0.23	1.0	"	100	0.640	103	75-125			
Iron	200	7.2	50	"	100	94.8	105	75-125			
Zinc	103	0.93	2.0	"	100	ND	103	75-125			
Cadmium	10.6	0.50	0.50	"	10.0	ND	106	75-125			
Matrix Spike Dup (CT04189-MSD1)		Source: CTF0482-01			Prepared & Analyzed: 06/11/10						
Aluminum	193	5.0	20	µg/L	100	73.5	119	75-125	6	25	
Arsenic	106	0.85	2.0	"	100	ND	106	75-125	0.8	25	
Copper	104	0.23	1.0	"	100	0.570	104	75-125	0.9	25	
Iron	203	7.2	50	"	100	89.3	113	75-125	5	25	
Zinc	105	0.93	2.0	"	100	2.79	102	75-125	0.5	25	
Cadmium	10.6	0.50	0.50	"	10.0	ND	106	75-125	0.5	25	
Matrix Spike Dup (CT04189-MSD2)		Source: CTF0482-10			Prepared & Analyzed: 06/11/10						
Aluminum	175	5.0	20	µg/L	100	69.3	106	75-125	4	25	
Arsenic	105	0.85	2.0	"	100	ND	105	75-125	2	25	
Copper	106	0.23	1.0	"	100	0.640	105	75-125	2	25	
Iron	207	7.2	50	"	100	94.8	112	75-125	4	25	
Zinc	106	0.93	2.0	"	100	ND	106	75-125	3	25	
Cadmium	10.6	0.50	0.50	"	10.0	ND	106	75-125	0.3	25	

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Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

CLS Labs

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CT04187 - EPA 3020A											
Blank (CT04187-BLK1) Prepared & Analyzed: 06/11/10											
Aluminum	ND	5.0	20	µg/L							
Arsenic	ND	0.85	5.0	"							
Copper	ND	0.23	2.0	"							
Iron	ND	7.2	50	"							
Zinc	ND	0.93	2.0	"							
Cadmium	ND	0.50	0.50	"							
LCS (CT04187-BS1) Prepared & Analyzed: 06/11/10											
Aluminum	104	5.0	20	µg/L	100		104	80-120			
Arsenic	102	0.85	5.0	"	100		102	80-120			
Copper	105	0.23	2.0	"	100		105	80-120			
Iron	108	7.2	50	"	100		108	80-120			
Zinc	102	0.93	2.0	"	100		102	80-120			
Cadmium	10.3	0.50	0.50	"	10.0		103	80-120			
LCS Dup (CT04187-BSD1) Prepared & Analyzed: 06/11/10											
Aluminum	106	5.0	20	µg/L	100		106	80-120	2	20	
Arsenic	104	0.85	5.0	"	100		104	80-120	3	20	
Copper	107	0.23	2.0	"	100		107	80-120	2	20	
Iron	107	7.2	50	"	100		107	80-120	0.3	20	
Zinc	106	0.93	2.0	"	100		106	80-120	4	20	
Cadmium	10.5	0.50	0.50	"	10.0		105	80-120	1	20	
Matrix Spike (CT04187-MS1) Source: CTF0482-01 Prepared & Analyzed: 06/11/10											
Aluminum	127	5.0	20	µg/L	100	27.3	99	75-125			
Arsenic	104	0.85	5.0	"	100	ND	104	75-125			
Copper	103	0.23	2.0	"	100	0.510	102	75-125			
Iron	135	7.2	50	"	100	23.2	112	75-125			
Zinc	105	0.93	2.0	"	100	3.37	101	75-125			
Cadmium	10.5	0.50	0.50	"	10.0	ND	105	75-125			

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Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

CLS Labs

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CT04187 - EPA 3020A											
Matrix Spike (CT04187-MS2)		Source: CTF0482-11			Prepared & Analyzed: 06/11/10						
Aluminum	120	5.0	20	µg/L	100	18.2	101	75-125			
Arsenic	108	0.85	5.0	"	100	ND	108	75-125			
Copper	127	0.23	2.0	"	100	28.2	98	75-125			
Iron	184	7.2	50	"	100	70.1	114	75-125			
Zinc	111	0.93	2.0	"	100	4.89	106	75-125			
Cadmium	10.9	0.50	0.50	"	10.0	ND	109	75-125			
Matrix Spike Dup (CT04187-MSD1)		Source: CTF0482-01			Prepared & Analyzed: 06/11/10						
Aluminum	128	5.0	20	µg/L	100	27.3	101	75-125	1	25	
Arsenic	108	0.85	5.0	"	100	ND	108	75-125	3	25	
Copper	106	0.23	2.0	"	100	0.510	106	75-125	3	25	
Iron	133	7.2	50	"	100	23.2	110	75-125	1	25	
Zinc	107	0.93	2.0	"	100	3.37	104	75-125	2	25	
Cadmium	10.9	0.50	0.50	"	10.0	ND	109	75-125	4	25	
Matrix Spike Dup (CT04187-MSD2)		Source: CTF0482-11			Prepared & Analyzed: 06/11/10						
Aluminum	120	5.0	20	µg/L	100	18.2	102	75-125	0.1	25	
Arsenic	105	0.85	5.0	"	100	ND	105	75-125	3	25	
Copper	130	0.23	2.0	"	100	28.2	101	75-125	2	25	
Iron	175	7.2	50	"	100	70.1	105	75-125	5	25	
Zinc	108	0.93	2.0	"	100	4.89	103	75-125	3	25	
Cadmium	10.6	0.50	0.50	"	10.0	ND	106	75-125	3	25	

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Project: Walker Mine
Project Number: [none]
Project Manager: Leticia Valadez

CLS Work Order #: CTF0482
COC #: 2 Chains

Notes and Definitions

- 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.
- QM-1 The spike recovery was outside acceptance limits for the LCS or LCSD. The batch was accepted based on acceptable MS/MSD recoveries & RPD's.
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration.
- 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