06/27/07 15:43

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC#: 84179-84180

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting L i mit	Units	Dilution	Batch	Pr e pared	Analyzed	Method	Notes
WM5 LGC U/S (CQF0399-01) Water	Sampled: 06/11			06/13/07				•	
Total Alkalinity	47	. 5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	· 47	5.0	II	ti	u	н	н	. 0	
Carbonate as CaCO3	ND	5.0	Ш	11	II	n	'n	u	
Hydroxide as CaCO3	ND	5.0	П	11	a	Ħ	, II	u	•
Chloride	ND	0.50	Ш	II.	CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	90	. 1.0	µmhos/cm	U	CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	tt .	CQ04924	06/13/07	06/13/07	EPA 7196A	HT-1
Hexavalent Chromium, Dissolved	ND	10	Ш	lt.	CQ04948	06/14/07	06/14/07	ū	HT-I
Methylene Blue Active Substances	ND	0.10	m g/L	tł .	CQ04909	06/13/07	06/13/07	EPA 425.1	
Calcium	9.0	1.0	ш	11	CQ04898	06/13/07	06/13/07	200.7/2340B	
Magnesium	3.8	1.0	Ш	u	'u	u	Ħ	п	
Potassium .	ND	1.0	à	Ħ	u ·	u	\$1	u	
Sodium	3.6	1.0	Ш	Ħ	u	# .	\$ 1	tt.	
Hardness as CaCO3	38	1.0	(I '	Ħ	u	. #1	**	* (t	
pH	7.15	0.01	pH Units	Ħ	CQ04901	06/13/07	06/1 3 /07	EPA 150.1	HT-1
Sulfate as SO4	ND	0.50	mg/L		CQ05242	06/23/07	06/24/07	EPA 300.0	
Total Dissolved Solids	63	10	u	11	CQ04904	06/13/07	06/15/07	EPA 160.1	
WM3 DC D/S (CQF0399-02) Water S	Sampled: 06/11/6	07 10:10 R	eceived: 06	6/13/07 08	3:43				•
Total Alkalinity	75	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	75	5.0	(t	n	(1	* 11	17	" .	
Carbonate as CaCO3	ND	5.0	u	15	u	17	17	n	
Hydroxide as CaCO3	ND	5.0	. 0	16	\$1	11		, II	
Chloride	ND	0 .50	n n	11	CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	140	1.0	μmhos/cm	li .	CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	II .	CQ04924	06/13/07	06/13/07	EPA 7196A	HT-1
Hexavalent Chromium, Dissolved	ND	. 10		н	CQ04948	06/14/07	06/14/07	**	HT-1
Methylene Blue Active Substances	ND	0.10	mg/L	ú	CQ04909	06/13/07	06/13/07	EPA 425.1	•
Calcium	14	1.0	Ð	**	CQ04898	06/13/0,7	06/13/07	200.7/2340B	
Magnesium	7.6	1.0	μ	"	(I	"	· R	11	
Potassium	ND	1.0	- 10	**	. "	17	97	11	
Sodium	. 3.1	1.0	It	*1	Ħ	fr f	. 11	11 ·	
Hardness as CaCO3	66	1.0	n 1	11	Ħ	1r	11	н .	
pH	7.44	0.01	pH Units	11	CQ04901	06/13/07	06/13/07	EPA 150.1	HT-1
Sulfate as SO4	1.3	0.50	m g/ L	u	CQ05242	06/23/07	06/24/07	EPA 300.0	•
Total Dissolved Solids	94	10	t _f	n	CQ04904	06/1 3 /07	06/15/07	EPA 160.1	
WM1 PORTAL (CQF0399-03) Water	Sampled: 06/1	1/07 10:30	Received:	06/13/07	08:43				•
Total Alkalinity	58	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	58	5.0		п	U U	ti .	11	ti .	

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Project: Walker Mine

Project Number: PCA 13180

CLS Work Order #: CQF0399

Rancho Cordova CA, 95670-6114

Project Manager: Steve Rosenbaum

COC #: 84179-84180

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM1 PORTAL (CQF0399-03) Water	Sampled: 06/1	1/07 10:30	Received:	06/13/07	08:43	-			
Carbonate as CaCO3	ND	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Hydroxide as CaCO3	ND	5.0	ŧI	**	. "	Ħ	11	· n	
Chloride	0.58	0.50	Ħ	11	CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	110	1.0	μmhos/cm	#	CQ04954	06/14/07	06/14/07	EPA 120.1	•
Hexavalent Chromium	ND	10	μg/L	#	CQ04924	06/13/07	06/13/07	EPA 7196A	HT-
Hexavalent Chromium, Dissolved	ND	10	ш	11	CQ04948	06/14/07	06/14/07	ш	HT-
Methylene Blue Active Substances	ND	0.10	mg/L	11	CQ04909	06/13/07	06/13/07	EPA 425.1	
Calcium	12	1.0	ш	11	CQ04898	06/13/07	06/13/07	200.7/2340B	
Magnesium	5.0	1.0	li.	11	II."	ti ti	В .	11	
Potassium	ND	1.0	111	11	II	. "	Ŋ	it	
Sodium	5.3	1.0	tt	11	ц	II.	Ŋ	H	
Hardness as CaCO3	52	1.0	lt.	11	II	#	Ü	11	
рН	7.20	0.01	pH Units	н	CQ04901	06/13/07	06/13/07	EPA 150.1	HT-
Sulfate as SO4	0.84	0.50	mg/L.	II	CQ05242	06/23/07	06/24/07	EPA 300.0	
Total Dissolved Solids	97	10	17	н	CQ04904	06/13/07	06/15/07	EPA 160.1	
WM 2 DC U/S (CQF0399-04) Water	Sampled: 06/11/	07 10:30 F	Received: 0	6/13/07 08	8:43				
Total Alkalinity	79	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	79	5.0	11	. "н .	11	. 11	u .	II	
Carbonate as CaCO3	ND	5.0	11 - 1	11	Ħ	11	tt .	li	
Hydroxide as CaCO3	ND	5.0	11	97	lt	11 .	a .	ų ·	
Chloride	ND	0.50	П	**	CQ05242	06/23/07	06/24/07	EPA 300.0	•
Specific Conductance (EC)	140	1.0	μmhos/cm	17 .	CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	15	CQ04924	06/13/07	06/13/07	EPA 7196A	HT-
Hexavalent Chromium, Dissolved	ND	10	(I	17	CQ04948	06/14/07	06/14/07	ш ,	HT-1
Methylene Blue Active Substances	ND	0.10	mg/L	**	CQ04909	06/13/07	06/13/07	EPA 425.1	
Calcium	16	1.0	· tr	II	CQ04898	06/13/07	06/13/07	200.7/2340B	
Magnesium	8.4	1.0	11	II	II	."	IP	ш.	
Potassium	ND	1.0	19	II	ţi.	H	įŧ	_ "	
Sodium	3.1	1.0	11	п.,	11	# (II	II.	
Hardness as CaCO3	76	1.0	19	n	11	**	н	n	
μΉ	7.67	0.01	pH Units	Ħ	CQ04901	06/13/07	06/13/07	EPA 150.1	HT-1
Sulfate as SO4	ND	0.50	mg/L	11	CQ05242	06/23/07	06/24/07	EPA 300.0	
Total Dissolved Solids	100	10	ii	*	CQ04904	06/13/07	06/15/07	EPA 160.1	
WM4 DC @ 48" CULVERT (CQF039	9-05) Water S	ampled: 06/	11/07 12:0	0 Receiv	-	7 08:43			
Total Alkalinity	72	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	72	5.0	_	· п	H	t†	l)	н	
Carbonate as CaCO3	ND	5.0	l?	31	Ħ	39	li	Ħ	
Hydroxide as CaCO3	ND	5.0	п	n, *	11	11	ŋ	11	·

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Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC #: 84179-84180

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM4 DC @ 48" CULVERT (CQF0399-	05) Water	Sampled: 06/	11/07 1 2 :00	Receiv	ed: 06/13/0	07 08:43			
Chloride	ND	0.50	mg/L	1	CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	140	1.0	µmhos/cm	**	CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	. 10	μg/L	**	CQ04924	06/13/07	06/13/07	EPA 7196A	HT-1
Hexavalent Chromium, Dissolved	ND	10	ц	ft.	CQ04948	06/14/07	06/14/07	le '	HT-1
Methylene Blue Active Substances	ND	0.10	mg/L	i,	CQ04909	06/13/07	06/13/07	EPA 425.1	
Calcium	. 15	1.0	11	н .	CQ04898	06/13/07	n	200.7/2340B	
Magnesium	7.8	1.0	11	"	11		11	If	
Potassium	ND	1.0	II	п	. 11	Ħ	**	Iŧ	
Sodium	3.3	1.0	И	0	*1	n	n	п	
Hardness as CaCO3	70	1.0	Ŋ	U	- 11	tt.	"	10	
pH	7.70	0.01	pH Units	11	CQ04901	06/13/07	06/13/07	EPA 150.1	HT-1
Sulfate as SO4	1.2	0.50	mg/L	. "	CQ05242	06/23/07	06/24/07	EPA 300.0	•
Total Dissolved Solids	98	10	11	· n	CQ04904	06/13/07	06/15/07	EPA 160.1	
WM9 LGC @ BC (CQF0399-06) Water	Sampled:	06/11/07 13:00	Received	l: 06/13/0	7 08:43	•		,	
Total Alkalinity	60	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	60	5.0	tr .	11	• ((O.	11	II.	
Carbonate as CaCO3	ND	. 5.0	IF.	sŧ	u .	n	. "	11	
Hydroxide as CaCO3	ND	5.0	it.	tr	ti •	· H	и	11	
Chloride	ND	0.50	rt	tř	CQ05242	06/23/07	06/24/07	EPA 300.0	•
Specific Conductance (EC)	120	1.0	μmhos/cm	11	CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	11	CQ04924	06/13/07	06/13/07	EPA 7196A	HT-1
Hexavalent Chromium, Dissolved	ND	10	ч	12	CQ04948	06/14/07	06/14/07	я	HT-1
Methylene Blue Active Substances	ND	0.10	mg/L	10	CQ04909	06/13/07	06/13/07	EPA 425.1	
Calcium	14	1.0	58	11	CQ04898	06/13/07	06/13/07	200.7/2340B	
Magnesium	4.6	1.0	".	17	#ř	It	¥	. #	
Potassium	1.3	1.0	18	17	11	(t	47	19	
Sodium	4.2	1.0	u	11	11	æ.	. 17	14	
Hardness as CaCO3	55	1.0	. #	U	1)	tr	11	n	
pH .	7.77	0.01	pH Units	11	CQ04901	06/13/07	06/13/07	EPA 150.1	HT-1
Sulfate as SO4	4.4	0.50	mg/L	. (1	CQ05242	06/23/07	06/24/07	EPA 300.0	
Total Dissolved Solids	89	10	II .	u	CQ04904	06/13/07	06/15/07	EPA 160.1	
WM6 USFS DAM (CQF0399-07) Water	Sampled:	06/11/07 13:3	0 Received	l: 06/13/0	7 08:43			_	
Total Alkalinity	70	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	70	5.0	U	Œ	υ.,	н	11	'n	
Carbonate as CaCO3	ND	. 5.0	. "	U	ıı .	II	11	н	
Hydroxide as CaCO3	ND	5.0	ď	tt	Ħ	11	**	ti	
Chloride	ND	0.50	п ,•	ŧı	CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	140	1.0	μmhos/cm	N	CQ04954	06/14/07	06/14/07	EPA 120.1	
- , -					-				*

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Result

76

56

ND

ND

ND

120

ND

ND

WM8 LGC D/S DC (CQF0399-09) Water Sampled: 06/11/07 13:40 Received: 06/13/07 08:43 56

10

5.0

5.0

5.0

5.0

0.50

10

10

mg/L

1.0 µmhos/cm

μg/L

06/27/07 15:43

Notes

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Analyte

Total Dissolved Solids

Bicarbonate as CaCO3

Specific Conductance (EC)

Hexavalent Chromium, Dissolved

Carbonate as CaCO3

Hydroxide as CaCO3

Hexavalent Chromium

Total Alkaliuity

Chloride

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

Walker Mine

Dilution

Batch

CQ04904

CQ04946

CQ05242

CQ04954

CQ04924

CQ04948

06/13/07

06/14/07

06/23/07

06/14/07

06/13/07

06/14/07

06/15/07

06/14/07

06/24/07

06/14/07

06/13/07

06/14/07

EPA 160.1

EPA 310.1

EPA 300.0

EPA 120.1

EPA 7196A

Project Number: PCA 13180

COC #: 84179-84180

Analyzed

CLS Work Order #: CQF0399

Method

Project Manager: Steve Rosenbaum

Units

Reporting

Limit

Conventional Chemistry Parameters by APHA/EPA Methods

Prepared

-									
WM6 USFS DAM (CQF0399-07) Water	Sampled: 06/	11/07 13:30	Received	: 06/13/	/07 08:43				
Hexavalent Chromium	ND	10	μg/L	1	CQ04924	06/13/07	06/13/07	EPA 7196A	HT-
Hexavalent Chromium, Dissolved	ND	10	H	**	CQ04948	06/14/07	06/14/07	re .	HT-
Methylene Blue Active Substances	ND	0.10	mg/L	10	CQ04909	06/13/07	06/13/07	EPA 425.1	
Calcium	. 16	1.0.	Ш	11	CQ04898	06/13/07	06/13/07	200.7/2340B	
Magnesium	6.9	1.0	tl	16	II	#f	н	lt	
Potassium	ND	1.0	II .	11	II	**	11	и .	
Sodium	3.9	1.0	н	10	. #		11	н	
Hardness as CaCO3	69	1.0	Ħ	11	Ħ	##	μ.	0.5	
pH	7.92	0.01	pH Units	18	CQ04901	06/13/07	06/13/07	EPA 150.1	HT-
Sulfate as SO4	3.2	0.50	mg/L	H	CQ05242	06/23/07	06/24/07	EPA 300.0	
Total Dissolved Solids	98	10	Ħ	Ħ	CQ04904	06/13/07	06/15/07	EPA 160.1	
WM7 LGC U/S DC (CQF0399-08) Water	Sampled: 06	5/11/07 13:4	lo Receive	d: 06/1	3/07 08:43				•
Fotal Alkalinity	53	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	53	5.0	П	11	"	· D	u	**	
Carbonate as CaCO3	ND	5.0	Ħ	" '	11	Ŋ	- н	**	
Hydroxide as CaCO3	ND	5.0	#1	11	11,	IÌ .	11	**	
Chloride	ND	0،50	P		CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	110	1.0	μmhos/cm	JI	CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	IJ	CQ04924	06/13/07	06/13/07	EPA 7196A	HT
Hexavalent Chromium, Dissolved	ND	10	П	ш	CQ04948	06/14/07	06/14/07		HT-
Methylene Blue Active Substances	ND	0.10	mg/L	"	CQ04909	06/13/07	06/13/07	EPA 425.1	•
Calcium	14	1.0	If		CQ04898	06/13/07	06/13/07	200.7/2340B	
Magnesium .	4.1	1.0	It	н	II	11	л,	**	
Potassium	1.4	1.0	R	н	· п	Ħ	15	11	
Sodium	4.3	1.0	H	Iŧ	II	н	13	11	
Hardness as CaCO3	52	1.0	ш	f 1	н	11	ı,	n	
PΗ	7.62	0.01	pH Units	¢ŧ	CQ04901	06/13/07	06/13/07	EPA 150.1	HT
Sulfate as SO4	4.7	0.50	mg/L			06/23/07	06/24/07		

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COC#: 84179-84180

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM8 LGC D/S DC (CQF0399-09) Water	Sampled: (6/11/07 13:	40 Receiv	ed: 06/13/	07 08:43	_ -			
Methylene Blue Active Substances	ND	0.10	mg/L	1	CQ04909	06/13/07	06/13/07	EPA 425.1	
Calcium	14	1.0	**	**	CQ04898	06/13/07	06/13/07	200.7/2340B	
Magnesium	4.6	1.0	. 44	**	H	II	Ħ	n	
Potassium	1.3	1.0	11	tt	н.	II	H, ·	II	
Sodium	4.1	1.0	* 11	II .	#	, h	n	n.	
Hardness as CaCO3	53	1.0	**	u	**	11	II	it ·	
pΗ	7.76	0.01	pH Units	u .	CQ04901	06/13/07	06/1 3 /07	EPA 150.1	HT-
Sulfate as SO4	4.4	0.50	mg/L	II	CQ05242	06/23/07	06/24/07	EPA 300.0	
Total Dissolved Solids	76	10	ti	u	CQ04904	06/13/07	06/15/07	EPA 160.1.	
WM11 S. BR WARD CK (CQF0399-10) V	Vater Samı	oled: 06/11/0	7 14:00	Received:	06/13/07 0	8:43			
Total Alkalinity	20	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	20	5.0	u	ij	*	n	ų	**	
Carbonate as CaCO3	ND	5.0	u	ü	₩.	H	II	11	
Hydroxide as CaCO3	ND	5.0	н '	ū	¥f	11	u	II.	
Chloride	0.51	0.50	, u	tı	CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	45 -	1.0	μmhos/cm	41	CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	ŧi	CQ04924	06/13/07	06/1 3 /07	EPA 7196A	HT-
Hexavalent Chromium, Dissolved	ND	. 10	Ħ	a .	CQ04948	06/14/07	06/14/07	II	HT-
Methylene Blue Active Substances	ND	0.10	mg/L	. "	CQ04909	06/13/07	06/13/07	EPA 425.1	
Calcium .	4.4	1.0	ţ1	. 41	CQ04898	06/13/07	06/13/07	200.7/ 2 340B	
Magnesium	1.5	1.0	**	11	II .	tt	n	"	
Potassium	ND	1.0	et	I)	0 ,	**	. "	Ħ	
Sodium	2.5	1.0	ŧf	R	II	"	11	tt '	
Hardness as CaCO3	17	1.0	Ħ	P ·	H	tf .	II	πŧ	
pH	6.75	0.01	pH Units	li.	CQ04901	06/13/07	06/13/07	EPA 150.1	HT-
Sulfate as SO4	0.63	0.50	mg/L	II	CQ05242	06/23/07	06/24/07	EPA 300.0	
Total Dissolved Solids	36	10	11	II	CQ04904	06/13/07	06/15/07	· EPA 160.1	
WM12 M. BR WARD CK (CQF0399-11)	Water San	pled: 06/11/	07 14:10	Received:	06/13/07	08:43			
Total Alkalinity	17	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	17	5.0	N	n	† ‡	u	. 11	19	
Carbonate as CaCO3	ND	5.0	, "	71	6 1	11	II	t t	
Hydroxide as CaCO3	ND	5.0	u	71	11	u	H	. 11	
Chloride	ND	0.50	u	Ħ	CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	35	1.0	μmhos/cm	11	CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L)r	CQ04924	06/13/07	06/13/07	EPA 7196A	HT-
Hexavalent Chromium, Dissolved	ND	10	13	n	CQ04948	06/14/07	06/14/07	19	HT-
Methylene Blue Active Substances	ND	0.10	mg/L	n	CQ04909	06/13/07	06/13/07	EPA 425.1	•
Calcium	3.2	1.0	n	10	CQ04898	06/13/07	06/13/07	200.7/2340B	

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06/27/07 15:43

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

CLS Work Order #: CQF0399

Project Number: PCA 13180 Project Manager: Steve Rosenbaum

COC#: 84179-84180

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM12 M. BR WARD CK (CQF0399-1	1) Water Samp	oled: 06/11/	07 14:10	Received	06/13/07	08:43			
Magnesium	1.6	1.0	mg/L	1	CQ04898	06/13/07	06/13/07	200.7/2340B	
Potassium	ND .	1.0	1)	н	ti .	17	(1	. "	
Sodium	1.3	1.0	. 11	н	(I	H	. "	n	
Hardness as CaCO3	15	1.0	**	н	U	I†	lt.	11	
pH	5.90	0.01.	•	н	CQ04901	06/13/07	06/13/07	BPA 150.1	HT-1
Sulfate as SO4	0.51	0.50	mg/L	+1	CQ05242	06/23/07	06/24/07	EPA 300.0	
Total Dissolved Solids	21	10	11	#1	CQ04904	06/13/07	06/1 <i>5</i> /07	EPA 160.1	
WM13 NYE CK (CQF0399-12) Water	Sampled: 06/11	l/07 14:20	Received	: 06/13/07	08:43				
Total Alkalinity	· 53	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.Į	
Bicarbonate as CaCO3	53	5.0	If	11	И	ш	II	' . n	
Carbonate as CaCO3	ND	5.0	II	11	Ð	ш	ti	· tr	
Hydroxide as CaCO3	ND	5.0	II	11	н	н	II.	10	
Chloride	ND	0.50	11	U	CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	. 96	1.0	μmhos/cm		CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	(1	CQ04924	06/13/07	06/13/07	EPA 7196A	HT-1
Hexavalent Chromium, Dissolved	ND	10	n	u	CQ04948	06/14/07	06/14/07	ıt	HT-1
Methylene Blue Active Substances	ND	0.10	mg/L	II	CQ04909	06/13/07	06/13/07	BPA 425.1	
Calcium	11	1.0	"	H	CQ04898	06/13/07	06/13/07	200.7/2340B	
Magnesium	4.8	1.0	.	11	41	H	. 20	**	
Potassium	ND	1.0	и .	11	Ħ	lt.	11	Ħ	
Sodium	2.7	1.0	21	11	ėr –	II	11	и .	
Hardness as CaCO3	47	1.0	11	1î	47 .	n	11	и	
pH	7.24	0.01	pH Units	13	CQ04901	06/13/07	06/13/07	EPA 150.1	HT-1
Sulfate as SO4	ND	0.50	mg/L	II	CQ05242	. 06/23/07	.06/24/07	EPA 300.0	
Total Dissolved Solids	70	10	ır '	II	CQ04904	06/13/07	06/15/07	EPA 160.1	•
WM17 N. BR WARD CK (CQF0399-13	3) Water Samp	led: 06/11/	07 14:30	Received:	06/13/07 ()8:43			
Total Alkalinity	80	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	80	5.0	` +1	\$7	11	II	# .	11	
Carbonate as CaCO3	ND	5.0	. 11	19	11	. "	ď	ii ' '	
Hydroxide as CaCO3	ND	5.0	11	n	p	u	II	II.	
Chloride	0.51	0.50	11	II	CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	160	1.0	μmhos/cm	tı	CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	17	CQ04924	06/13/07	06/13/07	EPA 7196A	HT-1
Hexavalent Chromium, Dissolved	ND	10	#1	It	CQ04948	06/14/07	06/14/07	tt	HT-1
Methylene Blue Active Substances	ND	0.10	mg/L	R	CQ04909	06/13/07	06/13/07	EPA 425.1	
Calcium	18	1.0	11	Œ	CQ04898	06/13/07	06/13/07	200.7/2340B	
Magnesium	7.7	1.0	ш	ti	U ,	lt.	11	11	
Potassium	1.7	1.0	11	11	u '		H	tt	

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CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114 ·

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC#: 84179-84180

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM17 N. BR WARD CK (CQF0399-13						-	,		
	•								
Sodium	3.8	1.0	mg/L	1	CQ04898	06/13/07	06/13/07	200,7/2340B	•
Hardness as CaCO3	77	1.0							
pH	7.81	0.01	•	ht ri	CQ04901	06/13/07	06/13/07	EPA 150.1	HT-I
Sulfate as SO4	0.53	0.50	mg/L	, 11	CQ05242	06/23/07	06/24/07	EPA 300.0	•
Total Dissolved Solids	100	10			CQ04904	06/13/07	06/15/07	EPA 160.1	
WM18 N.B. WARD CK (CQF0399-14)	Water Samp	led: 06/11/07	15:10 R	eceived: 0	6/13/07 08	:43			
Total Alkalinity	82	5.0	mg/L	ĺ	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	82	5.0	ti	11	**	11	47	19	
Carbonate as CaCO3	ND	5.0	. , 0	11	le .	Ħ	it,	13	
Hydroxide as CaCO3	ND	5.0	11	11	it it	11	ii.	• и г	
Chloride	0.51	0.50	II	11	CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	160	1.0	μmhos/cm	11	CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	10	μ g/ L	111	CQ04924	06/13/07.	06/13/07	EPA 7196A	HT-1
Hexavalent Chromium, Dissolved	ND	10	II	it ·	CQ04948	06/14/07	06/14/07	p	HT-1
Methylene Blue Active Substances	ND	0.10	mg/L	II	CQ04909	06/13/07	06/13/07	EPA 425.1	
Calcium	19	1.0	II	11	CQ04898	06/13/07	06/13/07	200.7/2340B	
Magnesium	7.6	1.0	. "	**	**	11	U	п	
Potassium	1.9	1.0	11	11	**	11	ү н	n	
Sodium	.4.2	1.0	0 '	11	ıt.	Ħ	ŧI.	Ιţ	
Hardness as CaCO3	78	1.0	H ·	47	11	19	11	п	
$\mathbf{p}\mathbf{H}$	7 .91	0.01	pH Units	17	CQ04901	06/13/07	06/13/07	EPA 150.1	HT-I
Sulfate as SO4	0.60	0.50	mg/L	47	CQ05242	06/23/07	06/24/07	EPA 300.0	
Total Dissolved Solids	97	10	ti	17	CQ04904	06/13/07	06/15/07	EPA 160.1	
WM16 NYE CK 25N32Y (CQF0399-15) Water Sam	pled: 06/11/0	7 15:40	Received:	06/13/07 0	8:43			
Total Alkalinity .	76	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	76	5.0	#f	I.	п	I)	· • • • • • • • • • • • • • • • • • • •	п	
Carbonate as CaCO3	ND	5.0	11	, 0		ı ı	#†	p	
Hydroxide as CaCO3	ND	5.0	ar .	D	. 11	· " ,	41	n	
Chloride ·	ND	0.50	ll.	n	CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	140	1.0	μmhos/cm	II	CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	0	CQ04924	06/13/07	06/13/07	EPA 7196A	HT-1
Hexavalent Chromium, Dissolved	ND	10	0	11	CQ04948	06/14/07	06/14/07	11	HT-1
Methylene Blue Active Substances	ND	0.10	mg/L	11	CQ04909	06/13/07	06/13/07	EPA 425.1	
Calcium	16	1.0	"	11	CQ04898	06/13/07	06/13/07	200.7/2340B	
Magnesium	6.7	1.0	n .	. 11	11	и	11	11	
Potassium	1.1	1.0	*1	. 11	'n	11	11	0	
Sodium	3.3	1.0	1 1	19	II	и	1)	u	
Hardness as CaCO3	68	1.0	şi	1)	ıt	л '	п	11	
Liai uness no cacos		1.0							٠.

06/27/07 15:43

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 20

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC#: 84179-84180

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM16 NYE CK 25N32Y (CQF0399-	15).Water Sample	d: 06/11/0	7 15:40	Received:	06/13/07 0	8:43			
pH	7.84	0.01	pH Units	1	CQ04901	06/13/07	06/13/07	EPA 150.1	HT-1
Sulfate as SO4	· ND	0.50	mg/L	11	CQ05242	06/23/07	06/24/07	EPA 300.0	
Total Dissolved Solids	89	10	77	11	CQ04904	06/13/07	06/15/07	EPA 160.1	
WM15 M. BR WARD CK 25N32Y (C	CQF0399-16) Water	Sample	d: 06/11/0	7 15:50	Received: 0	06/1 <u>3/07</u> 08	:43		
Total Alkalinity	70	5.0	mg/L	1	CQ04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	70	5.0	11 .	u	* # · · · ·	47	н		•
Carbonate as CaCO3	ND	5.0	11	п	**	If	Ħ	tr.	
Hydroxide as CaCO3	ND	5.0	**	, п	**	. 11	#	H	
Chloride	0.50	0.50	**	п	CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	130	1.0	μmhos/cm	В	CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	. "	CQ04924	06/13/07	06/13/07	EPA 7196A	HT-1
Hexavalent Chromium, Dissolved	ND	10	19	н .	CQ04948	06/14/07	06/14/07	**	HT-1
Methylene Blue Active Substances	ND	0.10	mg/L	11	CQ04909	06/13/07	06/13/07	EPA 425.1	
Calcium	15	1.0	u	1)	CQ04898	06/13/07	06/13/07	200.7/2340B	
Magnesium	6.2	1.0	ш	**	II	u ·	**	**	
Potassium	1.2	.1.0	н	11	. 1 "	II	11	et e	
Sodium	3.2	1.0	tt	"	II	II	I)	n	
Hardness as CaCO3	63	1.0	91	11	II	u	19	11	
рН	7.92	0.01	pH Units	11	CQ04901	06/13/07	06/13/07	EPA 150.1	HT-1
Sulfate as SO4	ND	0.50	mg/L	. 11	CQ05242	06/23/07	06/24/07	EPA 300.0	
Total Dissolved Solids	82	10	11	11	CQ04904	06/13/07	06/15/07	EPA 160.1	
							42 .		
WM14 S. BR WARD CK 25N32Y (C	QF0399-17) Water	Sampled	I: 06/11/0'	7 16:00 I	keceived: 0	6/13/07 08:	43		
	QF0399-17) Water	Sampled	ng/L	7 16:00 I	CQ04946	6/13/07 08: 06/14/07	.06/14/07	EPA 310.1	<u> </u>
Total Alkalinity					CQ04946	 		EPA 310.1	
Total Alkalinity Bicarbonate as CaCO3	92	-5.0	mg/L	1	CQ04946	06/14/07	.06/14/07		
Total Alkalinity Bicarbonate as CaCO3 Carbonate as CaCO3	92 92	· 5.0 5.0	mg/L	1	CQ04946	06/14/07	.06/14/07	II	
Total Alkalinity Bicarbonate as CaCO3 Carbonate as CaCO3 Hydroxide as CaCO3	92 92 ND	· 5.0 5.0 5.0	mg/L "	1 	CQ04946	06/14/07	.06/14/07 n	II II	
Total Alkalinity Bicarbonate as CaCO3 Carbonate as CaCO3 Hydroxide as CaCO3 Chloride	92 92 ND ND	5.0 5.0 5.0 5.0	mg/L "	1 11 11 11	CQ04946	06/14/07	06/14/07 ห ห	H H	
Total Alkalinity Bicarbonate as CaCO3 Carbonate as CaCO3 Hydroxide as CaCO3 Chloride Specific Conductance (EC)	92 92 ND ND 0.50	5.0 5.0 5.0 5.0 0.50	mg/L " " " " µmhos/cm	1 11 11 11	CQ04946 "" " " CQ05242	06/14/07 " " " 06/23/07	06/14/07 " " " 06/24/07	" " EPA 300.0	HT-1
Total Alkalinity Bicarbonate as CaCO3 Carbonate as CaCO3 Hydroxide as CaCO3 Chloride Specific Conductance (EC) Hexavalent Chromium	92 92 ND ND 0.50 180	5.0 5.0 5.0 5.0 0.50 1.0	mg/L n	1 11 11 11	CQ04946 "" "CQ05242 CQ04954 CQ04924	06/14/07 " " " 06/23/07 06/14/07	06/14/07 " " " 06/24/07 06/14/07	BPA 300.0 EPA 120.1	HT-1 HT-1
Total Alkalinity Bicarbonate as CaCO3 Carbonate as CaCO3 Hydroxide as CaCO3 Chloride Specific Conductance (EC) Hexavalent Chromium Hexavalent Chromium, Dissolved	92 92 ND ND 0.50 180 ND	5.0 5.0 5.0 5.0 0.50 1.0	mg/L " " " " " " " " " " " " " " " " " " "	1	CQ04946 " " " CQ05242 CQ04954	06/14/07 " " " 06/23/07 06/14/07 06/13/07 06/14/07	06/14/07 06/24/07 06/14/07 06/13/07	" EPA 300.0 EPA 120.1 EPA 7196A	
Total Alkalinity Bicarbonate as CaCO3 Carbonate as CaCO3 Hydroxide as CaCO3 Chloride Specific Conductance (EC) Hexavalent Chromium, Dissolved Methylene Blue Active Substances	92 92 ND ND 0.50 180 ND	5.0 5.0 5.0 5.0 0.50 1.0 10	mg/L " " " " " " " " " " " " " " " " " " "	1 	CQ04946 "" " CQ05242 CQ04954 CQ04924 CQ04948	06/14/07 " " " 06/23/07 06/14/07 06/13/07 06/14/07	06/14/07 06/24/07 06/14/07 06/13/07 06/14/07	" EPA 300.0 EPA 120.1 EPA 7196A	
Total Alkalinity Bicarbonate as CaCO3 Carbonate as CaCO3 Hydroxide as CaCO3 Chloride Specific Conductance (EC) Hexavalent Chromium Hexavalent Chromium, Dissolved Methylene Blue Active Substances Calcium	92 92 ND ND 0.50 180 ND ND	5.0 5.0 5.0 5.0 0.50 1.0 10 0.10	mg/L " " µmhos/cm µg/L " mg/L	1 	CQ04946 "" "CQ05242 CQ04954 CQ04924 CQ04909	06/14/07 " " " 06/23/07 06/14/07 06/13/07	06/14/07 06/24/07 06/14/07 06/13/07 06/13/07	" EPA 300.0 EPA 120.1 EPA 7196A " EPA 425.1	
Total Alkalinity Bicarbonate as CaCO3 Carbonate as CaCO3 Hydroxide as CaCO3 Chloride Specific Conductance (EC) Hexavalent Chromium Hexavalent Chromium, Dissolved Methylene Blue Active Substances Calcium Magnesium	92 92 ND ND 0.50 180 ND ND ND	5.0 5.0 5.0 5.0 0.50 1.0 10 10 0.10	mg/L " µmhos/cm µg/L " mg/L "	1 1 10 10 10 10 11	CQ04946 "" "CQ05242 CQ04954 CQ04924 CQ04948 CQ04909" CQ04898	06/14/07 " " " 06/23/07 06/14/07 06/13/07 06/13/07	06/14/07 06/24/07 06/14/07 06/13/07 06/13/07 06/13/07	EPA 300.0 EPA 120.1 EPA 7196A " EPA 425.1 200.7/2340B	
Total Alkalinity Bicarbonate as CaCO3 Carbonate as CaCO3 Hydroxide as CaCO3 Chloride Specific Conductance (EC) Hexavalent Chromium Hexavalent Chromium, Dissolved Methylene Blue Active Substances Calcium Magnesium	92 92 ND ND 0.50 180 ND ND ND ND 31 2.9	5.0 5.0 5.0 5.0 0.50 1.0 10 10 0.10 1.0	mg/L " µmhos/cm µg/L " mg/L "		CQ04946 " " CQ05242 CQ04954 CQ04924 CQ04948 CQ04909 CQ04898	06/14/07 " " 06/23/07 06/14/07 06/13/07 06/13/07 06/13/07	06/14/07 06/24/07 06/14/07 06/13/07 06/13/07 06/13/07	EPA 300.0 EPA 120.1 EPA 7196A " EPA 425.1 200.7/2340B	
Total Alkalinity Bicarbonate as CaCO3 Carbonate as CaCO3 Hydroxide as CaCO3 Chloride Specific Conductance (EC) Hexavalent Chromium Hexavalent Chromium, Dissolved Methylene Blue Active Substances Calcium Magnesium Potassium	92 92 ND ND 0.50 180 ND ND ND ND 31 2.9	5.0 5.0 5.0 0.50 1.0 10 10 0.10 1.0 1.0	mg/L " µmhos/cm µg/L " mg/L "	1	CQ04946 "" " " CQ05242 CQ04954 CQ04924 CQ04948 CQ04909 CQ04898	06/14/07 " " 06/23/07 06/14/07 06/13/07 06/13/07 06/13/07	06/14/07 " " 06/24/07 06/14/07 06/13/07 06/13/07	EPA 300.0 EPA 120.1 EPA 7196A " EPA 425.1 200.7/2340B	
Total Alkalinity Bicarbonate as CaCO3 Carbonate as CaCO3 Hydroxide as CaCO3 Chloride Specific Conductance (EC) Hexavalent Chromium Hexavalent Chromium, Dissolved Methylene Blue Active Substances Calcium Magnesium Potassium Sodium	92 92 ND ND 0.50 180 ND ND ND 31 2.9 1.1	5.0 5.0 5.0 0.50 1.0 10 0.10 1.0 1.0 1.0	mg/L " µmhos/cm µg/L " mg/L "		CQ04946 " " " CQ05242 CQ04954 CQ04924 CQ04948 CQ04909 CQ04898 " "	06/14/07 " " 06/23/07 06/14/07 06/13/07 06/13/07 " "	06/14/07 06/24/07 06/14/07 06/13/07 06/13/07 06/13/07	EPA 300.0 EPA 120.1 EPA 7196A " EPA 425.1 200.7/2340B	

CA DOHS ELAP Accreditation/Registration Number 1233

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CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC #: 84179-84180

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM14 S. BR WARD CK 25N32Y (CQF03	99-17) Water	Sampled	l: 06/11/07	16:00 I	Received: 0	6/13/07 08 :	43		
Total Dissolved Solids	110	10	mg/L	1	C Q04904	06/13/07	06/15/07	EPA 160.1	
WM20 LG CAT FW (CQF0399-18) Water	Sampled: 0	6/11/07 17	:20 Recei	ved: 06/1	(3/07 08:43				
Total Alkalinity	58	5.0	mg/L	1	C Q04946	06/14/07	06/14/07	EPA 310.1	
Bicarbonate as CaCO3	5 8	5.0	ļļ.	II .	89	` ม	U	tt.	
Carbonate as CaCO3	ND	5.0	II .	IJ	**	11	".	D	
Hydroxide as CaCO3	ND	5.0	11	IJ	at .	11	n	D	
Chloride	0.54	0.50	It		CQ05242	06/23/07	06/24/07	EPA 300.0	
Specific Conductance (EC)	120	1.0	μmhos/cm	II .	CQ04954	06/14/07	06/14/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	п	CQ04924	06/13/07	06/13/07	EPA 7196A	HT-I
Hexavalent Chromium, Dissolved	ND	· 10	n ·	IJ	CQ04948	06/14/07	06/14/07	ii .	HT-I
Methylene Blue Active Substances	ND	0.10	mg/L	n	CQ04909	06/13/07	06/13/07	EPA 425.1	
Calcium	14	1.0	n	U	CQ04898	06/13/07	06/13/07	200.7/2340B	
Magnesium	3.9	1.0	11	n	11	ęŧ	tt	II	
Potassium	1.5	1.0	. 11	10	17	14	. 41	ti	
Sodium	5.7	1.0	11	U	11	19	11	**	
Hardness as CaCO3	52	1.0		16 - 1	19	D	11	и	•
Hq	7.81	0.01	pH Units	. 11	CQ04901	06/13/07	06/13/07	EPA 150.1	HT-1
Sulfate as SO4	4.8	0.50	mg/L	я, .	CQ05242	06/23/07	- 06/24/07	EPA 300.0	
Total Dissolved Solids	82	10	11	71	CQ04904	06/13/07	06/15/07	EPA 160.1	

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CRWOCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC#: 84179-84180

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzeď	Method	Note
WM5 LGC U/S (CQF0399-01) Wa	·					- * • Pro-		- Internet	14016
Aluminum	22	20	μg/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Arsenic	ND	2.0	11	1)	H	17	10	, "	,
Copper	ND	1.0	н	1)	Ħ	11	10	. "	,
Iron	350	50	Iŧ	n	ri	9	16 -	и	
Zinc	, ND	2.0	. 11	#	11	n	14	н	
Cadmium	ND	0.50	H .	n	"	n .	11	ti	
WM3 DC D/S (CQF0399-02) Wate	r Sampled: 06/11/	07 10:10 Re	eceived: (6/13/07 0 8	3:43		•	,	
Aluminum	ND	20	μg/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Arsenic	ND	2.0	rr	II	* .	11	11	n	
Copper	9.4	1.0	11	н		H	н	U	
Iron	630	50	II	1)	**	19	11	11	
Zinc	4.4	2.0	11	1)	· II	11	n	11	
Cadmium .	ND	0.50	19))	**	11	H	**	
WM1 PORTAL (CQF0399-03) Wa	ter Sampled: 06/1	1/07 10:30	Received	: 06/13/07	08:43		,	_	
Aluminum	· ND	· 20	μg/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Arsenic	23	2.0	ū	Ħ	If .	. п	n	n	
Copper	100	1.0	11	, 11	H	II	U	n .	
Iron	ND	50	ш	ıı	н	II .	. ,	".	
Zine	36	2.0	. "	u	н	44	IP	**	
Cadmium	ND	0.50	1)	П)4	H	Ιτ	, m	
WM 2 DC U/S (CQF0399-04) Water	er Sampled: 06/11/	07 10:30 R	eceived:	06/13/07 0	8:43				
Aluminum	ND	20	μg/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Arsenic	ND	2.0	If	1)	**	**	*1	" 11	
Copper	ND	1.0	If	11	11	Ħ	11	II .	
Ir o n	ND	50	И	19	r	**	11.	ц	
Zinc	ND	2.0	н	19	u	Ħ	n	н ,	
Cadmium	ND	0.50	. Ч	**	н	Ħ	п		
WM4 DC @ 48" CÚLVERT (CQF	0399-05) Water Sa	impled: 06/1	1/07 12:0	00 Receiv	ed: 06/13/0	7 08:43		•	
Aluminum	ND	20	μg/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Arsenic	ND	2.0	10	\$f	11	41	\$1	'n	
Copper	13	1.0	11	1)	a	. 11	Ħ	. 11	
Iron	. 360	50	11	11	u	11	Ħ	Ħ	
Zinc	3.3	2.0	# .	. 0	u	19	h	н .	
Cadmium	ND	0.50	. 17	1)	£\$	#1	n	ıt	
WM9 LGC @ BC (CQF0399-06) V	Vater Sampled: 06.	/11/07 13:00	Receive	ed: 06/13/0	7 08:43				_
Aluminum	ND	20	μg/L	1	CQ04916	06/13/07	0,6/14/07	EPA 200.8	
							•		

06/27/07 15:43

CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC#: 84179-84180

Zinc 2.5 2.0 " " " " " " " " "										-
WMD LGC @ BC (CQF0399-06) Water Sampled: 06/11/07 13:00 Received: 06/13/07 08:43 Sampled: 06/11/07 13:40 Sampled: 06/13/07 08:43 Sampled: 0	A1	n14		TT	Dilutina	Dotah :	Duoman- d	A a laa d	N.C. et a. d	NTna
Arsenic ND 2.0							Prepared	Analyzea .	Method	Note
Copper	WM9 LGC @ BC (CQF0399-06) Water	Sampled: 06	/11/07 13:00	Receive	ed: 06/13/0	7 08:43				
Control Cont	Arsenic	ND ·	2.0	μg/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Cadmium	Copper	16	1.0	ч	t t	. 11		п	. и	
Marcian Marc	Iron	440	50	ч	et .	17	11	II	н	1.
Marinum	Zinc		2.0	H	H	(f	**	II	II	
Aluminum ND 20	Cadmium	ND	0.50	. 41	(f	11	*1	11	II.	
Arsenic	WM6 USFS DAM (CQF0399-07) Water	Sampled: 06	5/11/07 13:30	Receiv	ed: 06/13/0	7 08:43				
Copper	Aluminum	ND	20	μg/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Pron	Arsenic		2.0	tt		. "	, tr	, 0	If .	
Zine	Copper	78	1.0	0	Iŧ	βŧ	er .	II .	P	
Cadmium	Iron	910	50	Œ	. #	į. Į	",	II .	ч	•
Marinum	Zinc	6.1	2.0	lt	I)	II	17	ıı .	II .	
Aluminum ND 20 µg/L 1 CQ04916 06/13/07 06/14/07 EPA 200.8 Arsenic ND 2.0 " " " " " " " " " " " " " " " " " " "	Cadmium	ND	0.50	ш	n	II	и .	ti	ц	
Arsenic	WM7 LGC U/S DC (CQF0399-08) Wate	r Sampled: (06/11/07 13:4	0 Recei	lved: 06/13/	07 08:43				•
Arsenic	Aluminum	ND	20	μg/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Tron	Arsenic	ND	2.0		u	Ħ		a1	11	
Tron 360 50 " " " " " " " " Tron Cadmium ND 0.50 " " " " " " " " "	Copper.	ND	1.0		II	Ħ	Ü	91	II	
Cadmium ND 0.50 " " " " " " " " " " " " " " " " " "	Iron	360	50	*1	II	#	. (1	11	II .	
No No No No No No No No	Zinc	2.3	2.0	11	, tr	##	ti	11	н	
Aluminum ND 20 μg/L 1 CQ04916 06/13/07 06/14/07 EPA 200.8 Arsenic ND 2.0 " " " " " " " " " " " Copper 17 1.0 " " " " " " " " " " " " Iron 460 50 " " " " " " " " " " " " Cadmium ND 0.50 " " " " " " " " " " " WM11 S. BR WARD CK (CQF0399-10) Water Sampled: 06/11/07 14:00 Received: 06/13/07 08:43 Aluminum 30 20 μg/L 1 CQ04916 06/13/07 06/14/07 EPA 200.8 Arsenic ND 2.0 " " " " " " " " " " " Iron ND 50 " " " " " " " " " " " Iron ND 50 " " " " " " " " " " " Iron ND 50 " " " " " " " " " " " " Cadmium ND 0.50 " " " " " " " " " " " " " WM12 M. BR WARD CK (CQF0399-11) Water Sampled: 06/11/07 14:10 Received: 06/13/07 08:43 Aluminum 57 20 μg/L 1 CQ04916 06/13/07 06/14/07 EPA 200.8 Aluminum 57 20 μg/L 1 CQ04916 06/13/07 08:43 Aluminum 57 20 μg/L 1 CQ04916 06/13/07 06/14/07 EPA 200.8 Aluminum 57 20 μg/L 1 CQ04916 06/13/07 06/14/07 EPA 200.8 Aluminum 57 20 μg/L 1 CQ04916 06/13/07 06/14/07 EPA 200.8	Cadmium,	ND	0.50	11	(t	97	(t	п	н	
Arsenic ND 2.0 " " " " " " " " " " " " " " " " " " "	WM8 LGC D/S DC (CQF0399-09) Wate	r Sampled: (06/11/07 13:4	0 Recei	ived: 06/13/	07 08:43				
Arsenic ND 2.0 " " " " " " " " " " " " " " " " " " "	Aluminum	ND	20	цg/L	· 1	CQ04916	06/13/07	06/14/07	EPA 200.8	-
Iron	Arsenic				18		11	н	п	
Iron	Copper			Ħ	. 10	P	n	u	п	
Zinc 3.8 2.0 " " " " " " "		460	50	Ħ	ı,	'n	"	et .	Ü	
WM11 S. BR WARD CK (CQF0399-10) Water Sampled: 06/11/07 14:00 Received: 06/13/07 08:43 Aluminum 30 20 μg/L 1 CQ04916 06/13/07 06/14/07 EPA 200.8 Arsenic ND 2.0 " " " " " " " " " " " " " " " " " " "	Zinc	3.8	2.0	Ħ	ıt	u	"	ii.	п	
Aluminum 30 20 μg/L 1 CQ04916 06/13/07 06/14/07 EPA 200.8 Arsenic ND 2.0 "	Cadmium	ND	0.50	tt	n	Ħ	11	II .	п	
Arsenic ND 2.0 " " " " " " " " Copper 3.2 1.0 " " " " " " " " " " " Tron ND 50 " " " " " " " " " " Tron Sinc 6.6 2.0 " " " " " " " " " " " " " Tron ND 0.50 " " " " " " " " " " Tron ND 0.50 " " " " " " " " Tron ND 0.50 " " " " " " " " Tron ND 0.50 " " " " " " " " Tron ND 0.50 " " " " " " " " Tron ND 0.50 " " " " " " " " " " Tron ND 0.50 " " " " " " " " " " " " " Tron ND 0.50 " " " " " " " " " " " " " " " " " " "	WM11 S. BR WARD CK (CQF0399-10)	Water Sam	pled: 06/11/0'	7 14:00	Received:	06/13/07	8:43		r	
Arsenic ND 2.0 " " " " " " " " Copper 3.2 1.0 " " " " " " " " " " " Tron ND 50 " " " " " " " " " " Tron Sinc 6.6 2.0 " " " " " " " " " " " " " Tron ND 0.50 " " " " " " " " " " Tron ND 0.50 " " " " " " " " Tron ND 0.50 " " " " " " " " Tron ND 0.50 " " " " " " " " Tron ND 0.50 " " " " " " " " Tron ND 0.50 " " " " " " " " " " Tron ND 0.50 " " " " " " " " " " " " " Tron ND 0.50 " " " " " " " " " " " " " " " " " " "	Aluminum	30	20	μg/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	·
Copper 3.2 1.0 "	Arsenic					**	11	91		
Iron ND 50 " <td></td> <td></td> <td></td> <td>ŧi</td> <td>II</td> <td>11</td> <td>п</td> <td>by ·</td> <td>, п</td> <td></td>				ŧi	II	11	п	by ·	, п	
Zinc 6.6 2.0 " " " " " " " " " " " " " " " " " " "	Iron			. 11	(I	11	lt	91 ·	11	
Cadmium ND 0.50 " " " " " " " " " " " " " " " " " " "	Zine	6.6		п	(t	17	. 17	. 11	11	
Aluminum 57 20 μg/L 1 CQ04916 06/13/07 06/14/07 EPA 200.8	Cadmium		0.50	п	11	11	19	11	#1	ŧ
	WM12 M. BR WARD CK (CQF0399-11) Water San	pled: 06/11/0	7 14:10	Received	06/13/07	08:43		•	
	Aluminum	57	20	μg/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	
	Arsenic	ND								

06/27/07 15:43

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

Project: Walker Mine Project Number: PCA 13180

CLS Work Order #: CQF0399

Project Manager: Steve Rosenbaum

COC #: 84179-84180

Analyte		Result	Reporting Limi		Dilution	Batch	Prepared	Analyzed	Method	Notes
WM12 M. BR WARD	CK (CQF0399-11)	Water S	ampled: 06/1	1/07 14:10	Received	06/13/07	08:43			
Copper		4.6			1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Iron	•	ND		-	**	tf	11	Ħ	Ħ	
Zinc		3.6			"	11 .	11	H	**	
Cadmium		ND	0.50) "	**	. "	11	11	**	
WM13 NYE CK (CQ	F0399-12) Water	Sampled: 0	6/11/07 14:20	Receive	d: 06/13/07	08:43			* .	
Aluminum		ND			1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Arsenic		ND			11	, n	n	i)	п	
Copper		ND			II .	II	**	"	п	1
lron .		ND		•	ú	II.	**	II		
Zinc		ND			, #	H .	**	ıı ıı	it .	
Cadmium		ND	0.5) "		tf	".	II	Ħ	
WM17 N. BR WARD	CK (CQF0399-13)	Water S	ampled: 06/11	/07 14:30	Received:	06/13/07 (08:43	,		
Aluminum		ND			1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Arsenic		· ND	2,0) "	Ħ	11	"	. "	"	
Copper		ND) "	n	# '		, "	"	
fron		ND		_	H	ır	11	"	tt	
Zinc		ND			11	It	11	Ħ	H	
Cadmium		ND	0.50	י (11	H	11	. "	"	
WM18 N.B. WARD O	CK (CQF0399-14) V	Vater Sar	npled: 06/11/0	0 7 15:10]	Received: 0	6/13/07 08	3:43			
Aluminum		ND	20) μ g/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Arsenic	1	ND	2.0) "	".	II	. "	н	· tt - ,	
Copper		ND	1.0) "	Ħ	ti	n	ū	И	
Iron		ND	5	D 4.	\$1	a	. 11	, It	ŧı	
Zinc	4	ND	2.	0 "	11	11.	11	tt.	tı	
Cadmium		ND	0.5	0 "	11	11	If	,,	11	
WM16 NYE CK 25N	32Y (CQF0399-15)	Water Sa	ampled: 06/11	/07 15:40	Received:	06/13/07 0	8:43			
Aluminum		ND	2	0 μg/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Arsenic		ND	2.		Ħ	tl	**	. "	et '	
Copper	4	ND	1.	0 "	#	67	11	Ħ	Ħ	
Iron		ND	5	0 "	· ".	n	- 17	#	11	
Zinc	•	ND			l1	ıı ıı	It	11	. #	
Cadmium		ND	0.5	0 "	11	u -	It	11	н	
WM15 M. BR WARI	CK 25N32Y (CQI	70 <mark>399-</mark> 16) V	Water Samp	led: 06/11	/07 1 <u>5:50</u>	Received:	06/13/07 08	3:43		
Aluminum		ND	2	0 μ g /L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Arsenic		ND			**	"	ŧ1	n	n	/
Copper		ND			Ħ	+1	n	u	0 .	
F F = "		_								

06/27/07 15:43

CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180 Project Manager: Steve Rosenbaum CLS Work Order #: CQF0399

COC#: 84179-84180

Analyte	Result	Reporting Limit	Units	Dilution	n Batch	Prepared	Analyzed	Method	Notes
WM15 M. BR WARD CK 25N32Y (CQ)	·		•		Received: (17401100	11010
Iron	ND	50	μg/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Zinc	ND	2.0	"	Ŋ	. `•	. #	*1	H	
Cadmium	ND	0.50	**	p	11	H	H	10	
WM14 S. BR WARD CK 25N32Y (CQF	0399-17) Water	Sampled:	06/11/0	7 16:00	Received: 0	6/13/07 08:	43		
Aluminum	ND	20	μg/L	. 1	CQ04916	06/13/07	06/14/07	EPA 200.8	
Arsenic ,	ND	2.0	*	91	.*	ř ř	**	Ħ	4.
Copper	1.6	1.0	**	61	e	H	79)†	•
Iron	ND	50	**	\$1	. 4	11	**	H	
Zinc	5.0	2.0	**	11	**	Ħ	n	H	
Cadmium .	ND	0.50	11	. 14	tt	tř	n	D	
WM20 LG CAT FW (CQF0399-18) Wat	er Sampled: 06	/11/07 17:	20 Rec	eived: 06/	13/07 08:43	•			•
Aluminum	ND	20	μg/L	1	CQ04916	06/13/07	06/14/07	EPA 200.8	•
Arsenic	ND	2.0	19	17	Đ	14	II	Ħ	
Copper	6.9	1.0	н . '	17	0	H)1	**	
Iron	81	50	*11	11	0	11	11	**	
Zinc	2.5	2. 0	Ð	0	1)	и .	ù	# '	*
Cadmium	. ND	0.50	n	0	υ,	п	Ħ	79	-

06/27/07 15:43

CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC #: 84179-84180

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM5 LGC U/S (CQF0399-01) Water	Sampled: 06/1	1/07 10:00 I	Received:	06/13/07 (08:43				
Aluminum	ND	20	μg/L	1,	CQ04940	06/14/07	06/14/07	EPA 200.8	_
Arsenic	ND	5.0	0	10	17		. •	п	
Copper	ND	2.0	0	H	If .	*	*1	H	•
ron	270	50		H	IT		†1 .	น้	
Line	2.4	2.0	n	0	II		11	47	
Cadmium	ND	0.50	II	II	l1	11	11	11	
WM3 DC D/S (CQF0399-02) Water	Sampled: 06/11/	07 10:10 Re	ceived: 0	6/13/07 08	:43				-
Aluminum	, ND ,	20	μg/L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
Arsenic ,	ND	5.0	11	II	11	. 11	11,	11 .	
Copper	5.8	2.0	. #	II	ij	*1	II	**	
ron	280	50	11	11	if	11	Ħ	**	
line	3.5	2.0	11	11	11	II	н	11	
Cadmium	ND .	0.50	. 19	Į i	lt .	tı	11	11	
WM1 PORTAL (CQF0399-03) Water	Sampled: 06/1	1/07 10:30	Received	: 06/13/07	08:43		•		
luminum	· ND	20	μg/L	1	CQ04940	06/14/07 ·	06/14/07	EPA 200.8	
rsenic	22	5.0	II	H,	If	**	**	"	
Copper	89	2.0	н	. 11	и .	11	**	11	
ron	ND	50	n	II	К	*1	**	11	
linc	35	2.0	11	II	H	* †	11	ш.,	
Cadmium	ŅD	0.50	li .	II	H	11	1)	п	
VM 2 DC U/S (CQF0399-04) Water	Sampled: 06/11	/07 10:30 R	eceived: (06/13/07 0	8:43				
Aluminum	ND	20	μg/L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
Arsenic	ND	5.0	11	#	N	II	18	11	
Copper	ND	2.0	10	n	15	tt	10	II	
ron	ND	50	н	И	lt.	11	91	п	
line	ND	2.0	п	11	II	11 "	19		
Cadmium	ND	0.50	**	11	li .	H	lt .	- šī	
WM4 DC @ 48" CULVERT (CQF039	9-0 5) Water S	ampled: 06/1	1/07 12:0	00 Receiv	ed: 06/13/0	07 08:43			
Aluminum	ND ·	20	μg/L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
Arsenic	ND	5.0	fi	11	IF	***	**	11	
Copper	8.1	2.0	11	II	Ħ	11	*	. #	
ron	190	. 50	n	п	fi	11	11	11	
Zinc .	3.4	2.0	**	If	II	II	#1	11	
Cadmium	ND	0.50	11	•1	11	II	11	fi	
WM9 LGC @ BC (CQF0399-06) Wate	er Sampled: 00	6/11/07 13:00	Receive	ed: 06/13/0	7 08:43				
Aluminum	ND	20	μg/L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
-					•				

CALIFORNIA LABORATORY SERVICES

06/27/07 15:43

CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC #: 84179-84180

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM9 LGC @ BC (CQF0399-06) Wate	r Sampled: 06	/11/07 13:00	Receiv	ed: 06/13/0	7 08:43	-			<u> </u>
Arsenic	ND	5.0	μg/L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
Copper	13	2.0	11	" .	. "	n	11	te.	
Iron	340	50	**	li .	· ii - '		n	R	
Zinc	2.5	2.0	Ħ	91	II	19	#	п	
Cadmium	ND	0.50	н	. 9	t#	ft	**	11	
WM6 USFS DAM (CQF0399-07) Wate	r Sampled: 06	/11/07 13:30	Receiv	/ed: 06/13/0	7 08:43	•			
Aluminum	ND	20	μg/L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
Arsenic	~ ND	5.0	**	n	11	ır.	u	4	
Copper	62	2.0	ņ	Ħ	11	11	II	11	
Iron	700	50	H	El	11		It	tt	
Zinc	6.3	2.0	13	Ħ	16-	11	u .	tt	
Cadmium	ND	0.50	11	11	11	11	19	tt	
WM7 LGC U/S DC (CQF0399-08) Wat	ter Sampled: (6/11/07 13:4	0 Rece	ived: 06/13/	07 08:43				•
Aluminum	ND	20	μ g/ L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
Arsenic	ND	5.0	**	II	**	Ħ	H	H	
Соррег	ND	2.0		' It	**	11	Ħ	11	
Iron	270	50	11	II	**	Ħ	n	н	•
Zinc	2.5	2.0		lt .	rt .	u	It	H	
Cadmium ·	ND	0.50	n	lı	п	II	. и	u	,
WM8 LGC D/S DC (CQF0399-09) Wat	ter Sampled: 0	6/11/07 13:4	0 Rece	ived: 06/13/	07 08:43				
Aluminum	ND	20	μg/L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
Arsenic	ND	5.0	, п	n	H	II	п	ft	
Copper	4.8	2.0	п	п	II .	II .	п	n .	
Iron	ND	50	II	11	' n		9 1	* a	
Zinc	ND	2.0	IF.	11	II	II	11	11	
Cadmium	ND	0.50	n	. 1!	II	ш	"	şı .	
WM11 S. BR WARD CK (CQF0399-10) Water Samp	led: 06/11/07	7 14:00	Received:	06/13/07 0	8:43			
Aluminum	ND	20	 μ g/ L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
Arsenic	ND	5.0	. н	17		11	16	n	•
Copper	2.3	2.0	n n	It	II	. "	Ìŧ	п	
Iron	ND	50	ų	lt.	II	п	lı .	, ti	
Zinc	5.3	2.0	n'	Į!		, III		(I	
Cadmium	ND	0.50	11	11	tı	. 0	n ·	11	
WM12 M. BR WARD CK (CQF0399-1	1) Water Sam		7 14:10	Received:	06/13/07	08:43			
Aluminum	28	20	μg/L	· 1	CQ04940	06/14/07	06/14/07	EPA 200.8	•
			,						

CA DOHS ELAP Accreditation/Registration Number 1233

06/27/07 15:43

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC#: 84179-84180

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM12 M. BR WARD CK (CQF	0399-11) Water Samj	oled: 06/11/0	7 14:10	Received	: 06/13/07	08:43			·
Copper	3.7	2.0	μg/L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	•
Iron	ND	50	· H	H	n	tt	Ħ	10	
Zinc	4,3	2.0	н	41	n	H	tı	10	•
Cadmium	ND	0.50	ti	11	H	ii .	tı	u	
WM13 NYE CK (CQF0399-12)	Water Sampled: 06/1:	/ 07 14:20]	Received	1: 06/13/07	08:43	•			
Aluminum	ND	20	μg/L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
Arsenic	ND	5.0	n	II	n	11	. "	n	
Copper	ND	2.0	u	ır	n	11	tt	ıı	
lron	ND	50	Ħ	18	n	. 11	, #	ľ	
Zinc	2.4	2.0	, ^N .	11	n	n	İţ	U	
Cadmium	, ND	0.50	91	IJ	n	11	ŧŧ	n	
WM17 N. BR WARD CK (CQF)	0399-13) Water Samp	led: 06/11/0	7 14:30	Received:	06/13/07	18:43			
Aluminum	ND	. 20	μg/L	1 .	CQ04940	06/14/07	06/14/07	EPA 200.8	
Arsenic	ND	5.0	97	19	(I	. "	11	n ,	
Copper	ND	2.0	Ħ	11	ti	'n	11	ŋ	
fron	. ND	50	- #	11	eś	Ħ	11	II	
Zinc	2.1	2.0	Ħ	17	81	lı	11	11	
Cadmium	ND	0.50	tt.		tt .	11	11	ĮI.	
WM18 N.B. WARD CK (CQF03	99-14) Water Sample	d: 06/11/07	15:10 I	Received: 0	6/13/07 08	:43			
Aluminum	ND	20	μg/L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
Arsenic	ND	5.0	11	j)	11	n	tt	H	
Copper	·· ND	2.0	η,	Ŋ	11	. n	н	п	
Iron	ND	50	n	#	1)	Ħ	. 11	ıı	
Zinc	ND	2.0	n	*1	11	#1	11	п	
Cadmium	ND	0.50	H	16	Ħ	Ħ	IJ	tt	
THE AND RESTREETED AND ASSESSMENT ASSESSMENT	1399-15) Water Samn	led: 06/11/07	7 15:40	Received:	06/13/07 0	8:43			
WIVITO IN YES CIG 25IN32 Y (CQFU	opportulation bump							DD 4 500 0	
	ND	20	μg/L	1	CQ04940	06/14/ 07	06/14/07	EPA 200.8	
Aluminum		20 5.0	μg/L "	1	CQ04940	06/14/07/	06/14/0 7 "	EPA 200.8	
Aluminum Arsenic	ND	_			•				
Aluminum Arsenic Copper	ND ND	5.0	11	и	# .	IT	li	. #	• .
Aluminum Arsenic Copper Iron	ND ND ND	5.0 2.0	11	H II	11 11	11	li n	. #	
Aluminum Arsenic Copper Iron Zinc	ND ND ND ND	5.0 2.0 50	11 11	H H	91 47	17 11	n II	14 14 14	٠.
Aluminum Arsenic Copper Iron Zinc Cadmium	ND ND ND ND ND	5.0 2.0 50 2.0 0.50	11 11 11 11	, h	#	IT IP IT	11 11 - 21 - 21	19 29 59	· .
Aluminum Arsenic Copper Iron Zinc Cadmium WM15 M. BR WARD CK 25N3:	ND ND ND ND ND ND 2Y (CQF0399-16) Wat	5.0 2.0 50 2.0 0.50 er Sampleo	" " " " 11: 06/11/	, h	Received:	IT II II II II II	11 11 - 21 - 21	19 29 59	· .
WM16 NYE CK 25N32Y (CQF0 Aluminum Arsenic Copper Iron Zinc Cadmium WM15 M. BR WARD CK 25N3: Aluminum Arsenic	ND ND ND ND ND	5.0 2.0 50 2.0 0.50	11 11 11 11	07 15:50	#	" " " 06/13/07_08	11 11 11	11 11 11	• .

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CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

CLS Work Order #: CQF0399

Project Manager: Steve Rosenbaum

COC #: 84179-84180

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM15 M. BR WARD CK 25N32	Y (CQF0399-16) Water	Sampled	l: 06/11/	07 15:50	Received: (06/13/07 08	:43		
Iron	ND	50	μg/L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
Zinc	3.0	2.0	97	ш	H	11	i ii	17	
Cadmium	ND	0.50	#	II .	9	ji.	. 11	· #r	
WM14 S. BR WARD CK 25N32Y	(CQF0399-17) Water	Sampled	06/11/0	7 16:00 F	Received: 0	6/13/07 08:	43		
Aluminum	ND	20	μg/L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
Arsenic	ND	5.0	21	IJ	II	II	U	17	
Copper .	ND .	2.0	**	IJ	ti	II	п	11	
Iron	ND	50	"	II	(I	n	. 11	11	
Zinc	2.8	2.0	#	fr	*1	· If	1f	D	
Cadmium	· ND	0.50	"	It	ti	JI	If	0	
WM20 LG CAT FW (CQF0399-1	8) Water Sampled: 06	/11/07 17:	20 Rec	eived: 06/1	3/07 08:43				
Aluminum	ND	20	μg/L	1	CQ04940	06/14/07	06/14/07	EPA 200.8	
Arsenic	ND	5.0	51	**	11	17	**	ti	
Copper	5.0	2.0	19	. #	π	17	17	n n	
Iron	62	50	11	11	tt	17	11	, n	
Zinc	2.5	2.0	n	**	19	tr	11	n	
Cadmium	ND	0.50	, n .	#	19	II	π.,	Ħ	-

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CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC#: 84179-84180

Analyte	Result_	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CQ04898 - 6010A/No Digestion		· · · · · · · · · · · · · · · · · · ·	•	,						
Blank (CQ04898-BLK1)				Prepared	& Analyze	ed: 06/13/	07			•
Calcium	ND	1.0	mg/L						•	
Magnesium	ND	1.0	U							
Potassium	ND	1.0	n							
Sodium	ND	1.0	11	•						
Hardness as CaCO3	ND	1.0	11							
LCS (CQ04898-BS1)				Prepared	& Analyze	ed: 06/13/	07		•	
Calcium	9.65	1.0	mg/L	10.0	<u>-</u>	96.5	80-120			
Magnesium	9.40	1.0	n	10.0		94.0	80-120			
Potassium	10.2	1.0	n	10.0		102	80-120			
Sodium	9.58	1.0	n	10.0	٠.	95.8	80-120	•		
LCS Dup (CQ04898-BSD1)				Prepared	& Analyze	ed: 06/13/	07			
Calcium	10.1	1.0	mg/L	10.0		101	80-120	4.58	20	
Magnesium	9.44	1.0	n	10.0		94.4	80-120	0.425	20	
Potassium	9.95	1.0		10.0		99.5	80-120	1.98	20	
Sodium	9.48	1.0	η	10.0		94.8	80-120	0.976	20	
Matrix Spike (CQ04898-MS1)	` So	urce: CQF03	99-01	Prepared	& Analyzo	ed: 06/13/	07			
Calcium	20.4	1.0	mg/L	10.0	9.01	114	75-125	•		1
Magnesium	13.6	1.0	и	10.0	3.79	98.1	75-125			
Potassium	10.6	1.0	H	10.0	ND	106	75-125			
Sodium	13.2	1.0	0	10.0	3.58	95.8	75-125			
Matrix Spike Dup (CQ04898-MSD1)	So	arce: CQF03	99-01	Prepared	& Analyz	ed: 06/13/	07			
Calcium	21.3	1.0	mg/L	10.0	9.01	123	75-125	4.50	25	
Magnesium	14.6	1.0	ų	10.0	3.79	108	75-125	7.09	25 .	
Potassium	11.6	1.0	13	10.0	ND .	116	75-125	8.81	25	
Sodium	14.1	1.0	$(x_i) \in \mathbf{H}_{i+1}(\mathbb{R}^n)$	10.0	3.58	105	75-125	6.83	25	

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

Project: Walker Mine Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC#: 84179-84180

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RP D Limit	Notes
Batch CQ04904 - General Preparation	·									. <u> </u>
Blank (CQ04904-BLK1)				Prepared:	06/14/07	Analyzed	: 06/15/07			
Total Dissolved Solids	ND	10	mg/L							
Batch CQ04909 - General Preparation	_									
Blank (CQ04909-BLK1)	i	·		Prepared	& Analyz	ed: 06/13/	07			
Methylene Blue Active Substances	ND	0.10	mg/L							
LCS (CQ04909-BS1)				Prepared	& Analyz	ed: 06/13/0)7			
Methylene Blue Active Substances	0.480	0.10	mg/L	0.500		96.0	80-120			
LCS Dup (CQ04909-BSD1)				Prepared	& Analyz	ed: 06/13/	07			
Methylene Blue Active Substances	0.447	0.10	mg/L	0.500		89.3	80-120	7.17	20	
Matrix Spike (CQ04909-MS1)	So	urce: CQF03	99-01	Prepared	& Analyz	ed: 06/1 <u>3/</u>	07			
Methylene Blue Active Substances	0.477	0.10	mg/L	0.500	ND	95.3	75-125			
Matrix Spike Dup (CQ04909-MSD1)	So	urce: CQF03	99-01	Prepared	& Analyz	ed: 06/13/	07			
Methylene Blue Active Substances	0.462	0,10	mg/L	0.500	ND	92.4	75-125	3.11	25	
Batch CQ04924 - General Preparation		·								
Blank (CQ04924-BLK1)				Prepared	& Analyz	ed: 06/13/	07			·
Hexavalent Chromium	ND	. 10	μg/L							
LCS (CQ04924-BS1)				Prepared	& Analyz	ed: 06/13/	07			
Hexavalent Chromium	258	10	μg/L	250		103	85-115	_		

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CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Project: Walker Mine

Project Number: PCA 13180

CLS Work Order #: CQF0399

Rancho Cordova CA, 95670-6114

Project Manager: Steve Rosenbaum

COC#: 84179-84180

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CQ04924 - General Preparation				,						, ,
LCS Dup (CQ04924-BSD1)		•		Prepared	& Analyz	ed: 06/13/	07			
Hexavalent Chromium	265	10	μg/Ľ	250		106	85-115	2.60	20	
Matrix Spike (CQ04924-MS1)	Sou	rce: CQF03	99-01	Prepared	& Analyz	ed: 06/13/	07			
Hexavalent Chromium	263	10	μg/L	250	ND	105	85-115			
Matrix Spike Dup (CQ04924-MSD1)	Sou	rce: CQF03	99-01	Prepared	& Analyz	ed: 06/13/	07	•		
Hexavalent Chromium	273	10	μg/L	250	ND	109	8 5- 115	3.80	20	
Batch CQ04946 - General Preparation			<u>-</u>							
Blank (CQ04946-BLK1)				Prepared	& Analyz	ed: 06/14/	07	-		
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	11							
Carbonate as CaCO3	ND	5.0	11							
Hydroxide as CaCO3	ИĎ	5.0	II						•	
Batch CQ04948 - General Preparation		<u>.</u>				,				
Blank (CQ04948-BLK1)				Prepared	& Analyz	ed: 06/14/	07			
Hexavalent Chromium, Dissolved	ND	10	μ g/ L		-					
LCS (CQ04948-BS1)			,	Prepared	& Analyz	ed: 06/14/	07			
Hexavalent Chromium, Dissolved	264	10	μ g/ L	250		106	80-120			
LCS Dup (CQ04948-BSD1)				Prepared	& Analyz	ed: 06/14/	07			
Hexavalent Chromium, Dissolved	251	10	μ g /L	250		100	80-120	5.25	20	

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

Project: Walker Mine Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC #: 84179-84180

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CQ04948 - General Preparation				<u>.</u>	_					
Matrix Spike (CQ04948-MS1)	So	urce: CQF03	99-01	Prepared	& Analyz	ed: 06/14/	07	_		
Hexavalent Chromium, Dissolved	251	10	μg/L	250	ND	100	80~120			
Matrix Spike Dup (CQ04948-MSD1)	So	urce: CQF03	99-01	Prepared	& Analyz	ed: 06/14/	07			
Hexavalent Chromium, Dissolved	260	10	μg/L	250	ND	104	80~120	3.53	20	
Batch CQ04954 - General Preparation								•		
Blank (CQ04954-BLK1)				Prepared	& Analyz	ed: 06/14/	07			
Specific Conductance (BC)	ND	1.0	μmhos/cm	1 .			·		•	
Batch CQ05242 - General Prep								:		
Blank (CQ05242-BLK1)				Prepared:	06/23/07	Analyzec	l: 0 <u>6/24/07</u>			
Sulfate as SO4	ND	0.50	mg/L							
Chloride	ND	0.50) II							
LCS (CQ05242-BS1)				Prepared:	06/23/07	Analyzed	l: 06/24/07		_	
Sulfate as SO4	4.74	0.50	mg/L	5.00		94.7	80-120			
Chloride	1.90	0.50	н ,	2.00	255	95.0	80-120		•	
LCS Dup (CQ05242-BSD1)				Prepared:		Analyzed	1: 06/24/07			
Chloride	1.91	0.50	mg/L	2.00	_	95.6	80-120	0.577	20	
Sulfate as SO4	4.76	0.50	11	5.00		95.2	80-120	0.463	20	
Matrix Spike (CQ05242-MS1)	So	urce: CQF03	99-01	Prepared:	06/23/07	Analyzec	1: 06/24/07			
Chloride	2.07	0.50	mg/L	2.00	0.469	80.1	75-125			
Sulfate as SO4	4.86	0.50	n	5.00	ND	97.3	75-125			

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CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC#: 84179-84180

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 CQ05242 - General Prep	. · <u> </u>			•						,
Matrix Spike Dup (CQ05242-MSD1)	Sou	rce: CQF03	99 -0 1	Prepared:	06/23/07	Analyzed	: 06/24/07			
Chloride	2.06	0.50	mg/L	2.00	0.469	79.7	75-125	0.339	25	
Sulfate as SO4	4.86	0.50	11	5.00	ND	97.3	75-125	0.00	25	

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

Project Number: PCA 13180
Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC#: 84179-84180

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 CQ04916 - EPA 3020A				· · · · · · · · · · · · · · · · · · ·	•					
Blank (CQ04916-BLK1)				Prepared:	06/13/07	Analyzed	l: 06/14/07			
Aluminum .	ND	20	μg/L							
Arsenic	ND	2.0	11				,			
Copper	ND	1.0	11	•						
ron .	ND	50	11		·					•
Zinc	ND	2.0	п							
Cadmium	ND	0.50	. "							
LCS (CQ04916-BS1)				Prepared:	06/13/07	Analyzed	1: 06/14/07			
Aluminum	102	20	μg/L	1 00		102	80-120			
Arsenic	111	2.0	ti	100		111	80-120			
Copper	112	∙1.0	.H.	100		112	80-120			
íron	102	50	н	100		102	80-120			
Zine	105	2.0	н ,	100		105	80-120			
Cadmium	10.2	0.50	Ħ	10.0	•	102	80-120			
LCS Dup (CQ04916-BSD1)	•			Prepared:	06/13/07	Analyzed	1: 06/14/07			
Aluminum	99.0	20	μg/L	100	_	. 99.0	80-120	3.04	20	
Arsenic	111	2.0	11	100		111	80-120	0.207	20	
Copper	111	1.0	11	100		111	80-120	0.822	20	
tron .	94.8	50	11	100		94.8	80-120	7.60	20	
Zinc	105	2.0	11	100		105	80-120	0.199	20	
Cadmiu m	10.0	0.50	11	10.0		100	80-120	1.88	20	
Matrix Spike (CQ04916-MS1)	So	urce: CQF03	199-01	Prepared:	06/13/07	Analyzed	1: 06/14/07			
Aluminum	116	20	μg/L	100	21.7	94.4	75-125		_	
Arsenic	110	2.0	**	100	ND	110	75-125			•
Copper	101	1.0	e 7	100	0.410	101	75-125			
lron .	434	. 50	- 17	100	351	83.3	75-125			
Zine	96.8	2.0	11	100	1.22	95.5	7 <i>5</i> -125			
Cadmium	9.98	0.50	п	10.0	ND	99.8	75-125			

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CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC#: 84179-84180

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 CQ04916 - EPA 3020A				·	· 				•	
Matrix Spike Dup (CQ04916-MSD1)	. Sou	irce: CQF03	99-01	Prepared:	06/13/07	Analyzed	: 06/14/07			
Aluminum	117	20	μg/L	100	21.7	95.1	75-125	0.567	/25	
Arsenic	109	2.0	. 17	100	ND	109	75-125	0.584	25	
Copper	. 99.5	1.0	10	100	0.410	99.1	75-125	1.77	25	
fron	436	50	17	100	351	85.4	75-125	0,483	25	
Zinc	95.6	2.0	0 -	100	1.22	94.4	75-125	1.16	25	
Cadmium	9.84	0.50	10	10.0	ND	98.4	75-125	1.41	25	

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CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC#: 84179-84180

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

		Reporting		Spik e	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits _	RPD	Limit	Notes
Batch CQ04940 - EPA 3020A								•		
Blank (CQ04940-BLK1)	٠			Prepared	& Analyze	ed: 06/14/0	07			
Aluminum	ND	20	μg/L	'						
Arsenic	ND	5.0	10							
Copper	ND	2.0	10	•						
fron	ND	50	19				•			
Zinc	ND	2.0	11							
Cadmium	ND	0.50	. 11							
LCS (CQ04940-BS1)				Prepared	& Analyze	d: 06/14/	07			
Aluminum	104	. 20	μg/L	100	_	104	80-120			
Arsenic	. 107	5.0	н	100		107	80-120			
Copper .	· 107	2.0	н	100		107	80-120			
ron	112	50	IF .	100		112	80-120			
Zinc	101	2.0	11	100		101	80-120			
Cadmium	9.90	0.50	**	10.0		99.0	80-120	,		
LCS Dup (CQ04940-BSD1)				Prepared	& Analyze	ed: 06/14/	07			
Aluminum.	100	20	μg/L	100		100	80-120	3.79	20	
Arsenic	103	5.0	tř	100		103	80-120	3.90	20	
Copper	104	2.0	10	100	·	104	80-120	2.63	20	
Iron	110	. 50	10	100		110	80-120	1.94	20	
Zinc	99.2	2.0	19	100	÷	99.2	80-120	1.84	20	
Cadmium	9.57	0.50	n	10.0		95.7	80-120	3.39	20	
Matrix Spike (CQ04940-MS1)	So	ource: CQF0427-06		Prepared & Analyzed: 06/14/07			07			
Aluminum	121	20	μg/L	100	20.4	101	75-125			
Arsenic	107	5.0	т .	100	ND	107	75-125			
Copper	105	2.0	17	100	7.48	97.9	75-125			
fron .	151	50	tt	100	39.7	111	75-125			
Zinc .	111	2.0	**	100	15.7	95.4	75-125			
Cadmium	9.79	0.50	н	10.0	ND	97.9	75-125			

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CRWQCB - Sacramento

Project Number: PCA 13180

Project: Walker Mine

CLS Work Order #: CQF0399

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

Project Manager: Steve Rosenbaum

COC#: 84179-84180

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 CQ04940 - EPA 3020A										
Matrix Spike Dup (CQ04940-MSD1)	Sour	ce: CQF04	27-06	Prepared	& Analyze	d: 0 6/14/0	07			
Aluminum	121	20	μg/L	100	20.4	101	75-125	0.380	25	
Arsenic	105	5.0	ti	. 100	ND	105	75-125	1.13	25	
Copper	103	2.0	ti	100	7.48	95.3	75-125	2.52	25	
Iron	. 145	50	n	100	39.7	105	75-125	3.84	2 5	
Zinc	109	2.0	**	100	15.7	93.0	75-125	2.16	25	
Cadmium	9.82	0.50	**	10.0	ND	98.2	75-125	0.306	25	

CALIFORNIA LABORATORY SERVICES

06/27/07 15:43

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQF0399

COC #: 84179-84180

Notes and Definitions

HT-1 The sample was received outside of the EPA recommended holding time.

DET Analyte DETECTED

Analyte NOT DETECTED at or above the reporting limit ND

NR Not Reported

dry Sample results reported on a dry weight basis

Relative Percent Difference RPD

CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

INSPECTION REPORT

23 October 2007

DISCHARGER:

Walker Mine

LOCATION & COUNTY:

Walker Mine, Plumas County

CONTACT(S):

None

INSPECTION DATE:

10 October 2007

INSPECTED BY:

Wendy Wyels, Steve Rosenbaum, and Jeff Huggins

ACCOMPANIED BY:

NA

OBSERVATIONS AND COMMENTS:

On 31 October 2000, Board staff performed the annual fall inspection of the Walker Mine in Plumas County as specified in the Walker Mine Operations and Maintenance Procedures (June 1997). The weather was cloudy and cool (about 35°F). A light snow had fallen the night before the inspection in the higher elevations and a slight rain fell during part of the inspection. A photo log of the inspection is attached.

WALKER MINE TAILINGS SITE

Board staff arrived on site at 10:00am and went first to the Walker Mine tailings site to meet with the representatives of the United States Department of Agriculture Forest Service (USFS), and inspect the progress of the Dolly Creek diversion work being carried out as required by Order No R5-00-028. The tailings site represents a significant source of water pollution into both Dolly Creek and Little Grizzly Creek. Diversion of Dolly Creek off of the tailings is expected to reduce heavy metals contamination in Little Grizzly Creek.

Construction of the diversion channel infrastructure was nearly complete as shown in Photos #2-11. However, the USFS project engineer (George Butler, Plumas National Forest) indicated that a significant amount of subsurface drainage from hillsides surrounding the tailings site is making its way into the tailing site, surfacing in the old Dolly Creek channel, and discharging at the USFS dam location as shown in photos #12-13. This was not entirely anticipated by the USFS and will need to be further assessed in order to reduce metals discharged into Little Grizzly Creek.

PORTAL AREA

Board staff next went to the Walker Mine Portal area. The portal door at the mine entrance was securely locked. However, there was some evidence of minor vandalism to the portal door, making it hard to open.

Board staff entered the mine access tunnel and downloaded pressure data from the Telog data recorder during the inspection. At the time of the inspection, a current measurement of 7.08 mAmps (133 feet of pressure head) was recorded. The maximum pressure head has continued to fall since the last inspection (11-12 June 2007). At that time a pressure head of

Approved	:	

154 feet was recorded above the mine seal due to water and snowmelt recharging the mine workings.

The old batteries that power the Druck pressure sensor recorder were removed and replaced with recharged batteries during this inspection. All four of the heavy-duty locks on the portal doors were securely locked upon leaving the mine portal.

WATER QUALITY MONITORING

Surface water samples were taken from 11 of the 25 sampling locations, located in the upper Walker Mine watershed area. Most of the sample locations had sufficient surface water to sample, however water flow in general was low. Laboratory results are pending.

SUBSIDENCE AREAS

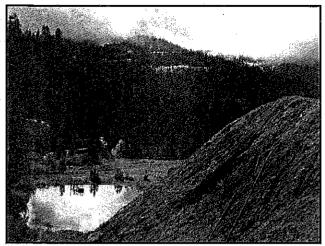
Staff inspected the diversion channel structures in the area of the Piute orebody workings. There was no water flowing in the diversion channels at the time of the inspection and it appeared that water flow has been minimal for some time.

SUMMARY:

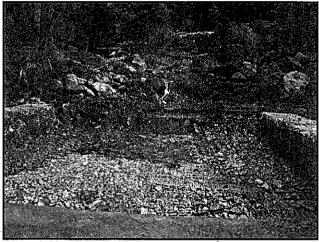
A semi annual inspection was made of the Walker Mine site. The Dolly Creek diversion work at the Walker Mine tailings site being performed by the USFS was nearly completed. If significant subsurface water infiltration of the tailings continues, further work may need to be performed to address this problem. Some surface water monitoring of the upper Walker Mine watershed was performed and water pressure measurements on the mine seal were obtained. New batteries were installed for the data logger. Staff will revisit the site in the spring to replace the batteries, inspect the seal, collect water samples from all monitoring points, and further assess runoff into the subsidence areas.

JEFF HUGGINS
Water Resources Control Engineer

Walker Mine 10 October 2007



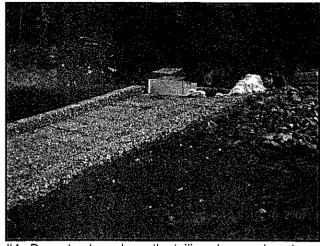
#1. Walker Mine, Plumas County October 2007.



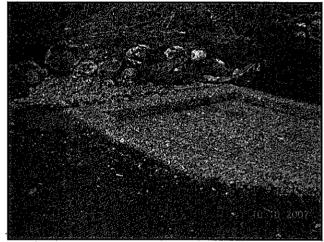
#2. USFS Dolly Creek diversion work. Inlet structure located above the tailings impoundment.



#3. Dolly Creek temporary diversion.



#4. Drop structure above the tailings impoundment.

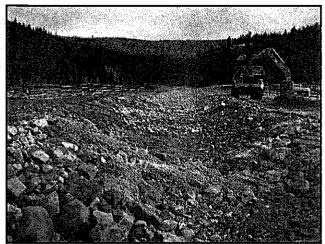


#5. Stilling basin located at the base of the drop structure.

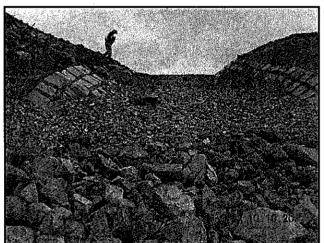


6. Dolly Creek upper diversion channel looking downgradient towards the tailings impoundment.

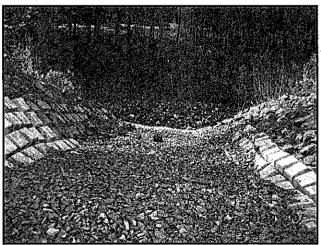
Walker Mine 10 October 2007



#7. Dolly Creek lower diversion channel looking upgradient towards Walker Mine.



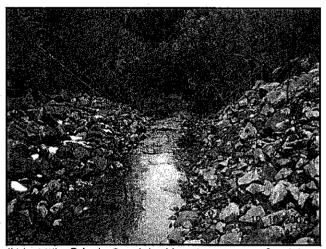
#8. New tailings impoundment outfall structure from Dolly Creek to Little Grizzly Creek looking upgradient.



#9. New tailings impoundment outfall structure from Dolly Creek to Little Grizzly Creek.



#10. Little Grizzly Creek looking upstream from the confluence with Dolly Creek.

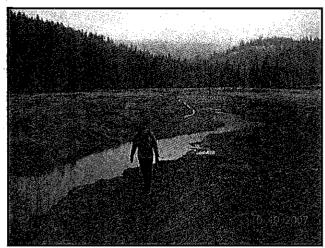


#11. Little Grizzly Creek looking downstream from the confluence with Dolly Creek.

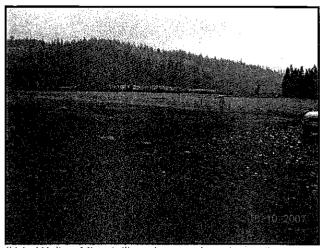


#12. Existing USFS tailings impoundment dam on Dolly Creek.

Walker Mine 10 October 2007



#13. Looking upgradient at Dolly Creek near the USFS dam.



#14. Walker Mine tailings impoundment near the USFS dam.

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

October 23, 2007

CLS Work Order #: CQJ0438 COC #: 74121

Steve Rosenbaum 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 10/11/07 08:00. 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

+ Dissolved Metals + General Minerals COMPOSITE BID Group 7 15 Total Metals <u>8</u> したといる SPECIAL INSTRUCTIONS LOG NO. 74121 (2) PRINT NAME / COMPANY <u>ۃ</u> ☐ YES Need Low ALT. (5) = H_2SO_4 (6) = $Na_2S_2O_3$ Limit 5 QUOTE # P.O. # GEOTRACKER: **EDF REPORT** ΥAQ TURN AROUND TIME GLOBAL ID: 10 S YAŒ CONDITIONS / COMMENTS: AIR BILL# S YAG RECEIVED BY (SIGN) CLS ID No.: 6010428 YAQ ANALYSIS REQUESTED (1) HCL (2) HNO₃ **PRESERVATIVES**: 10/11/07 0800 Bid Group DATE / TIME OTHER **PRESERVATIVES** CHAIN OF CUSTODY CLS (916) 638-7301 3249 FITZGERALD RD. RANCHO CORDOVA, CA. 95742 TYPE DESTINATION LABORATORY CONTAINER CLIENT JOB NUMBER JEH Huggins RWOLB DATE / TIME / Ö. PRINT NAME / COMPANY Huggins/Steve Rosenbaum OTHER MATRIX Ranche Cordoida.
PROJECT MANAGES STRUE ROSENDAUM 464-463 1530 WM 12 MBWARD CK 545 WMIT NBUMROCK 150 WR 9 160 M BO 1210 Lum & Lacols De 1200 WW. 6 USFS DAM · LGC WI 1330 WW 2 DC W/S 1240 Wm3 DC 0/5 Wan 70 -fee U/S 535 WM13 NYECK 325 WMI PORTAL Bunty PROJECT NAME WATLES MINE Central Valley Regional REPORT TO: FIDX RELINQUISHED BY (SIGN) SUR S SITE LOCATION PLUMAS CLS - Labs SAMPLED BY JEH SUSPECTED CONSTITUENTS 5801 Lo-01-01 TIME NAME AND ADDRESS SHIPPED BY: JOB DESCRIPTION REC'D AT LAB BY: DATE

8A.J

10/23/07 13:11

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine
Project Number: PCA 13180

CLS Work Order #: CQJ0438

Project Manager: Steve Rosenbaum

COC#: 74121

Analyte	Result	Reporting Limit		Diluti o n	Batch	Prepared	Analyzed	Method	Notes
WM 5 LGC U/S (CQJ0438-01) Water	Sampled: 10/1	0/07 10:35	Received:	10/11/07	08:00			•.	
Total Alkalinity	75	5.0	mg/L	1	CQ08496	10/12/07	10/12/07	SM2310B	
Bicarbonate as CaCO3	75	5.0	u	ц	ø	n	14	и	
Carbonate as CaCO3	ND	. 5.0	u .	u	Ü	· II	lt .	lı .	
Hydroxide as CaCO3	ND	5.0	u	u .	I†	If	lt	u	
Chloride	0.85	0.50	· u	ш	CQ08454	10/11/07	10/11/07	EPA.300.0	
Specific Conductance (EC)	140	1.0	μmhos/cm	‡1	CQ08461	10/11/07	10/11/07	EPA 120.1	
Hexavalent Chromium	ND	10	μ g/ L	n	CQ08449	10/11/07	10/11/07	EPA 7196A	
Hexavalent Chromium, Dissolved	ND .	10	, 4)1	CQ08450	10/11/07	10/11/07	ti	
Methylene Blue Active Substances	ND	0.10	mg/L	п ,	CQ08487	10/12/07	10/12/07	SM5540 C	
Calcium	16	1.0	ŧť	71	CQ08576	10/16/07	10/16/07	200.7/2340B	
Magnesium	6.6	1.0	tı	· #	II.	II	II.	ti	•
Potassium	2.1	1.0	, 11	(I	ш.	0	ı)	II	
Sodium	4.3	1.0	ų	ti ,	1 0	0	Iţ	н :	
pH	7.26	- 0.01	pH Units	n	CQ08451	10/11/07	10/11/07	SM4500-H B	HT-F
Sulfate as SO4	0.56	0.50	mg/L	. "	CQ08454	10/11/07	10/11/07	EPA 300.0	
Total Dissolved Solids	71	10	U	D	CQ08511	10/14/07	10/15/07	SM2540C	
WM 70 U/S (CQJ0438-02) Water Sa	mpled: 10/10/07	11:45 Rec	eived: 10/1	1/07 08:00)				
Total Alkalinity	. 75	5,0	mg/L	I .	CQ08496	10/12/07	10/12/07	SM2310B	
Bicarbonate as CaCO3	75	5.0	El	ti ti	tu	II.	1(11	÷
Carbonate as CaCO3	ND	5.0	11	п	s 0	н	IL	11	
Hydroxide as CaCO3	ND	5.0	11	'n	11	u	Ц	, h	
Chloride	0.80	0.50	н	. 0	CQ08454	10/11/07	10/11/07	EPA 300.0	•
Specific Conductance (EC)	150	1.0	µmhos/cm	п	CQ08461	10/11/07	10/11/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	ti	CQ08449	10/11/07	10/11/07	EPA 7196A	
Hexavalent Chromium, Dissolved	ND	10	1	0	CQ08450	10/11/07	10/11/07	ıt.	٠-
Methylene Blue Active Substances	ND	0.10	mg/L	ш	CO08487	10/12/07	10/12/07	SM5540 C	
Calcium	19	1.0	11	η .	CQ08576	10/16/07	10/16/07	200.7/2340B	
Magnesium	5.5	1.0	16	27	0	ti .	tı	ti .	
Potassium	2.1	1.0	n	11	u .	. 11	11	u	
Sodium	5.2	1.0	D	Ħ	ŧŧ	ħ	10	, п	
pH	7.19	0.01	pH Units	. 11	CQ08451	10/11/07	10/11/07	SM4500-H B	HT-F
Sulfate as SO4	11	0.50	mg/L	н .	CQ08454	10/11/07	10/11/07	EPA 300.0	
Total Dissolved Solids	86	10	ır	и	CQ08511	10/14/07	10/15/07	SM2540C	
WM 6 USFS DAM (CQJ0438-03) Wat		0/10/07 12:0	0 Receive	d: 10/11/0			4		
Total Alkalinity	73	5.0	mg/L	· 1	CQ08496	10/12/07	10/12/07	SM2310B	
Bicarbonate as CaCO3	73	5.0		ti	11 -	(1	10,12,01	U U	
Carbonate as CaCO3	ND	5.0	u	ı)	ц	9 .	B	я	
Hydroxide as CaCO3	ND	5.0	u	п	, 11	μ .	. · · · · · · ·	it .	
Tryutoxiue as Cacos	עא	3.0		••	••			-4	

10/23/07 13:11

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC #: 74121

Analyte .	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM 6 USFS DAM (CQJ0438-03) Water	Sampled: 1	0/10/07 12:0	0 Receive	d: 10/11/0	07 08:00		<u>·</u>		_
Chloride	0.97	0.50	mg/L	1	CQ08454	10/11/07	10/11/07	EPA 300.0	
Specific Conductance (EC)	150	1.0	µmhos/cm	11	CQ08461	10/11/07	10/11/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	It	CQ08449	10/11/07	10/11/07	EPA 7196A	
Hexavalent Chromium, Dissolved	ND .	10	11	ı	CQ08450	10/11/07	10/11/07	II	
Methylene Blue Active Substances	ND	0.10	mg/L	It	CQ08487	10/12/07	10/12/07	SM5540 C	
Calcium	17	1.0	91	It	CQ08576	10/16/07	10/16/07	200.7/2340B	
Magnesium	6.7	1.0	11	п	н		n,	11	
Potassium	2.3	1.0	II	li .	tl	11	31 ·	11	
Sodium	4.1	1.0	II	ii	υ,	ti	n ·	ti	
pН	7.66	0.01	pH Units	11	CQ08451	10/11/07	10/11/07	SM4500-HB	HT-I
Sulfate as SO4	7.1	0.50	mg/L	· · · · · · · · · · · · · · · · · · ·	CQ08454	10/11/07	10/11/07	EPA 300.0	
Total Dissolved Solids	90	10	Ħ	11	CQ08511	10/14/07	10/15/07	SM2540C	
WM 8 LGC D/S DC (CQJ0438-04) Water	Sampled:	10/10/07 12:	10 Receiv	/ed: 10/11	/07 08:00				
Total Alkalinity	70	5.0	mg/L	1 .	CQ08496	10/12/07	10/12/07	SM2310B	-
Bicarbonate as CaCO3	70	5.0	tı	n	ıı	JI .	ıı	B	
Carbonate as CaCO3	ND	5.0	n	0	SI .	л	п	U	
Hydroxide as CaCO3	ND	5.0	11	а	ĮI.	- p	n ·	11	
Chloride	0.84	0.50	11	n .	CO08454	10/11/07	. 10/11/07	EPA 300.0	
Specific Conductance (EC)	160	1.0	μmhos/cm	ú	CQ08461	10/11/07	10/11/07	EPA 120.1	
Hexavalent Chromium	ND	10	µg/L	II	CQ08449	10/11/07	10/11/07	EPA 7196A	
Hexavalent Chromium, Dissolved	ND	10	H	II	CQ08450	10/11/07	10/11/07	11	
Methylene Blue Active Substances	ND	0.10	mg/L	11	CQ08487	10/12/07	10/12/07	SM5540 C	
Calcium	21	1.0	ш	11	CQ08576	10/16/07	10/16/07	200.7/2340B	
Magnesium	6.0	1.0	. 11	18	11	II.	1)	П .	
Potassium	2.3	1.0	17	17	ĮI.	п	11.	11	
Sodium	4.8	1.0	11	11	II	71	11 .		
рН	7.71	0.01	pH Units	11	CQ08451	10/11/07	10/11/07	SM4500-H B	HT-I
Sulfate as SO4	13	0.50	mg/L	ąl.	CQ08454	10/11/07	10/11/07	EPA 300.0	
Total Dissolved Solids	100	10	1112	, h	CQ08511	10/14/07	10/15/07	SM2540C	
•		/07 12:40 R	eceived: 1	0/11/07 0	•	10,1110,	10/15/01	D.V.25-100	
Total Alkalinity	70	5.0	mg/L	1	CQ08496	10/12/07	10/12/07	SM2310B	
Bicarbonate as CaCO3	70 70	5.0	, 11 Tri-	,11	II	10/12/07	10/12/01	\$1712310D #	
Carbonate as CaCO3	ND	5.0	ŧI	ti	II	11 .	ıt	н	
Hydroxide as CaCO3	ND	5.0	11	11	t)	11	ji	lt.	
· ·	1.4	0.50	11	11	CQ08454	10/11/07	10/11/07	EPA 300,0	
Chloride		•		ir	-		10/11/07	*	
Specific Conductance (EC)	150	1.0	μmhos/cm	 D	CQ08461	10/11/07		EPA 120.1	
Hexavalent Chromium	ИD	10	μg/Ľ "	. "	CQ08449	10/11/07	10/11/07	EPA 7196A "	
Hexavalent Chromium, Dissolved	ND	10	. "	"	CQ08450	10/11/07	10/11/07	. "	10

California Laboratory Services

10/23/07 13:11

CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC #: 74121

		Reporting	-	<u> </u>					_
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM 3 DC D/S (CQJ0438-05) Water Sa	mpled: 10/10/	07 12:40 R	eceived: 1	0/11/07 08	3:00				
Methylene Blue Active Substances	ND	0.10	mg/L	1	CQ08487	10/12/07	10/12/07	SM5540 C	
Calcium .	17	1.0	П	II.	CQ08576	10/16/07	10/16/07	200.7/2 3 40B	
Magnesium	7.8	1.0	II	ıı,	н	n	n	I†	
Potassium	1.8	1.0	II.	U	" .	Ц	#	t#	
Sodium	3.4	1.0	. 11	н	II	II	Ħ	IP.	
pH	7.57	0.01	pH Units	и	CQ08451	10/11/07	10/11/07	SM4500-H B	HT-F
Sulfate as SO4	3.7	0.50	mg/L	11	CQ08454	10/11/07	10/11/07	EPA 300.0	
Total Dissolved Solids	91	10	H	u	CQ08511	10/14/07	10/15/07	SM2540C	
WM 1 Portal (CQJ0438-06) Water San	pled: 10/10/07	7 13:25 Re	ceived: 10/	11/07 08:0	00				
Total Alkalinity	62	5.0	mg/L	1	CQ08496	10/12/07	10/12/07	SM2310B	
Bicarbonate as CaCO3	. 62	5.0	н	и	II.	<u>_</u> "	Ħ	' u	
Carbonate as CaCO3	ND	5.0	II.	11	TT.	н	11	, n	
Hydroxide as CaCO3 .	ИD	5.0	Ш	II.	II	н	11	II	
Chloride	0.66	0.50	II	11	CQ08454	10/11/07	10/11/07	EPA 300.0	
Specific Conductance (EC)	120	1.0	µmhos/cm	1)	CQ08461	10/11/07	10/11/07	EPA 120.1	
Hexavalent Chromium	ND	10	μ g/ Լ	u	CQ08449	10/11/07	10/11/07	EPA 7196A	
Hexavalent Chromium, Dissolved	ND	10	u	· U	CQ08450.	10/11/07	10/11/07	п	
Methylene Blue Active Substances	ND	0.10	mg/L	u	CQ08487	10/12/07	10/12/07	SM5540 C	
Calcium	13	1.0	· u	II .	CQ08576	10/16/07	10/16/07	200.7/2340B	
Magnesium	4.8	1.0	u.	II	u ,	11	К	fi	
Potassium	ND	1.0	U	. н	u	. "		11 -	
Sodium	5.1	1.0	. H	H	u	†ŧ	II	11	
рН	7.52	0.01	pH Units	11	CQ08451	10/11/07	10/11/07	SM4500-H B	HT-F
Sulfate as SO4	1.2	0.50	mg/L	11	CQ08454	10/11/07	10/11/07	EPA 300.0	
Total Dissolved Solids	44	10	if	Ħ	CQ08511	10/14/07	10/15/07	SM2540C	
WM 2 DC U/S (CQJ0438-07) Water Sa	mpled: 10/10/6	07 13:30 R	eceived: 10	0/11/07 08	00:		**		
Total Alkalinity	74	5.0	mg/L	1	CQ08496	10/12/07	10/12/07	SM2310B	
Bicarbonate as CaCO3	74	5.0	(I	II	"	ч	И	II.	
Carbonate as CaCO3	ND	5.0	ш	II	n	11	Ņ	· h	
Hydroxide as CaCO3	ND	5.0	Ш	li	n	11	Ħ	II.	
Chloride	1.0	0.50	II.	ıı	CQ08454	10/11/07	10/11/07	EPA 300.0	
Specific Conductance (EC)	140	- 1.0	µmhos/cm)I	CQ08461	10/11/07	10/11/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	. 11	CQ08449	10/11/07	10/11/07	EPA 7196A	
Hexavalent Chromium, Dissolved	ND	10	a	н	-	10/11/07	10/11/07	ŧ	
Methylene Blue Active Substances	ND	0.10	mg/L	11	CQ08487	10/12/07	10/12/07	SM5540 C	
Calcium	16	1.0	וו	11	CQ08576	10/16/07	10/16/07	200,7/2340B	
Magnesium	8.1	1.0	Ħ	11	11	11	ıt .	11	
trkagitestutii	Ų4.X	¥1.4							

10/23/07 13:11

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC #: 74121

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Note
WM 2 DC U/S (CQJ0438-07) Water	Sampled: 10/10/0	7 13:30 R	Leceived: 1	0/11/07 08	3:00	, <u></u>		<u> </u>	- ;
Sodium	3.1	1.0	mg/L	1	CQ08576	10/16/07	10/16/07	200.7/2340B	
pH	7.72	0.01	pH Units	U	CQ08451	10/11/07	10/11/07	SM4500-H B	HT-I
Sulfate as SO4	ND	0.50	mg/L	U	CQ08454	10/11/07	10/11/07	EPA 300.0	
Total Dissolved Solids	84	10	11	li .	CQ08511	10/14/07	10/15/07	SM2540C	
WM 9 LGC At BC (CQJ0438-08) W	ater Sampled: 10	/10/07 15:0	0 Receive	e d: 10/11/0	7 08:00				
Total Alkalinity	75	5.0	mg/L	1	CQ08496	10/12/07	10/12/07	SM2310B	
Bicarbonate as CaCO3	75	5.0	11	l?	н	u	и.	u	
Carbonate as CaCO3	ND	5.0	11 '	tt	ţı	U	ш ,	u ·	
Hydroxide as CaCO3	ND	5.0	11	· · ·	Ħ	u	ĮI.	u	
Chloride	0.83	0.50	lŧ .	ll.	CQ08454	10/11/07	10/12/07	EPA 300.0	
Specific Conductance (EC)	. 170	1.0	μmhos/cm	n	CQ08461	10/11/07	10/11/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	U	CQ08449	10/11/07	10/11/07	EPA 7196A	
Hexavalent Chromium, Dissolved	ND	10	ır	ıt	CQ08450	10/11/07	10/11/07	i i	
Methylene Blue Active Substances	ND	0.10	mg/L	tr.	CQ08487	10/12/07	10/12/07	SM5540 C	
Calcium	21	1.0	ı	11	CQ08576	10/16/07	10/16/07	200.7/2340B	
Magnesium	5.8	1.0	IF	11	H	11	#	11	
Potassium	2.2	1.0	Ħ	n	11	U	н	ti ·	
Sodium	5.1	1.0	ti	11	tt	u '	п	11	•
рH	7.82	0.01	pH Units	11	CQ08451	10/11/07	10/11/07	SM4500-H B	HT-I
Sulfate as SO4	14	0.50	mg/L	**	CO08454	10/11/07	10/12/07	EPA 300.0	111.7
Total Dissolved Solids	97	10	. 11	tl	CQ08511	10/14/07	10/15/07	SM2540C	
WM 12 MB Ward CK (CQJ0438-09) Water Sampled	: 10/10/07 1	5:30 Rec	eived: 10/				UIVESTOO	
Total Alkalinity	12	5.0	mg/L	1	CQ08496	10/12/07	10/12/07	SM2310B	•
Bicarbonate as CaCO3	12	5.0	11	11	11	H	R	11	
Carbonate as CaCO3	ND	5.0	Ц	11	ш	ij	It	ŋ	,
Hydroxide as CaCO3	ND	5.0	ıı	11	u		It	,	
Chloride	0.55	0.50	в	п	CQ08454	10/11/07	10/12/07	EPA 300.0	
Specific Conductance (EC)	24	1.0	μmhos/cm	u	CQ08461	10/11/07	10/12/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	u	CQ08449	10/11/07	10/11/07	EPA 7196A	
Hexavalent Chromium, Dissolved	ND	10	יי קאן	n	CQ08450	10/11/07	10/11/07	EFA /130A	
Methylene Blue Active Substances	ND	0.10	mg/L	н	CQ08487	10/11/07	10/11/07	53.455.40 C	
Calcium	2.1	1.0	ពេសក	ш	CQ08487	10/12/07	10/12/07	SM5540 C 200.7/2340B	
Magnesium	ND	1.0	It	n	UQ06370	10/10/07	10/10/07	200.11234013	
Potassium	ND	1.0	11	u	#	ti	11	``. • 11	
Sodium	1.1	1.0	11	11	н	 U	"		
pH	6.18	0.01		41					
pri Sulfate as SO4	0.58	0.01	pH Units		CQ08451	10/11/07	10/11/07	SM4500-HB	HT-I
Total Dissolved Solids	0.58 ND	0.50. 10	mg/L	n	CQ08454 CQ08511	10/11/07 10/14/07	10/12/07	EPA 300.0	
			11	**	1 4 1/10 2 1 1	10/14/07	10/15/07	SM2540C	

10/23/07 13:11

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

Project Number: PCA 13180
Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC#: 74121

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM 13 NYE CK (CQJ0438-10) Water	Sampled: 10/1	0/07 15:35	Received:	10/11/07	08:00	·			_
Fotal Alkalinity	74	5.0	mg/L	1	CQ08496	10/12/07	10/12/07	SM2310B	
Bicarbonate as CaCO3	74	5.0	Ħ	IP	, ft	**	, h	. "	
Carbonate as CaCO3	ND	5.0	IP .	11	11	10	I)	I)	* -
Hydroxide as CaCO3	ND	5.0	n	н	и	ri	II .	ti	
Chloride	0.59	0.50	. 0	it.	CQ08454	10/11/07	10/12/07	EPA 300.0	•
Specific Conductance (EC)	140	1.0	μmhos/cm	U	CQ08461	10/11/07	10/11/07	EPA 120.1	
Hexavalent Chromium	ND	10	μ g/L	n	CQ08449	10/11/07	10/11/07	EPA 7196A	•
Hexavalent Chromium, Dissolved	ND	10	11	n	CQ08450	10/11/07	10/11/07	n	
Methylene Blue Active Substances	ND	0.10	mg/L	ti	CQ08487	10/12/07	10/12/07	SM5540 C	
Calcium	17	1.0	a .	11	CQ08576	10/16/07	10/16/07	200.7/2340B	
Magnesium	7.0	1,0	It	I†	11	If .	n	ti	
Potassium	ND -	1.0	H	tt	u .	10.1	17	R	
Sodium	3.1	1.0	II	11	11	P	'n	U	
pΗ	6.75	0.01	pH Units	н	CQ08451	10/11/07	10/11/07	SM4500-H B	HT-I
Sulfate as SO4	ND	0.50	mg/L	It	CQ08454	10/11/07	10/12/07	EPA 300.0	
Total Dissolved Solids	88	10	It	n,	CQ08511	10/14/07	10/15/07	SM2540C	
WM 17 NB Ward CK (CQJ0438-11) W	ater Sampled:	10/10/07 1:	5:45 Rece	eived: 10/1	(1/0 7 08: 00)			
Total Alkalinity	85	5.0	mg/L	1	CQ08496	10/12/07	10/12/07	SM2310B	
Bicarbonate as CaCO3	85	5.0	0	11	u	4	11	n.	
Carbonate as CaCO3	ND	, 5.0	11	P	# `	9	0 .	ŋ	
Hydroxide as CaCO3	ND	5.0	. н	19	17	· "	0	U	
Chloride	0.72	0.50	11	از ٠	CQ08454	10/11/07	10/12/07	EPA 300.0	
Specific Conductance (EC)	160	1.0	μmhos/cm	h	CQ08461	10/11/07	10/11/07	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	μ	CQ08449	10/11/07	10/11/07	EPA 7196A	
Hexavalent Chromium, Dissolved	ND	10		' 0	CQ08450	10/11/07	10/11/07	u	
Methylene Blue Active Substances	ND	0.10	mg/L	11	CQ08487	10/12/07	10/12/07	- SM5540 C	
Calcium	19	1.0	11	и	CQ08576	10/16/07	10/16/07	200.7/2340B	
Magnesium	7.7	1.0	IF.	If)i	IL	. 11	В	
Potassium	1.8	1.0	п	11	II.	u	19	q	
Sodium	3.8	1.0	11	It	`11	h	11	⁹ II	
pH .	7.96	0.01	pH Units	ıı	CQ08451	10/11/07	10/11/07	SM4500-H B	HT-
Sulfate as SO4	0.78	0.50	mg/L	a	CQ08454	10/11/07	10/12/07	EPA 300.0	7.5
Total Dissolved Solids	95	10	11	†I	CQ08511		10/15/07	SM2540C	

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: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC#: 74121

Analyte				Result	Reporting Limit	Units	Dilution	Batch	Dusaanad	A 1 1			
	1/ S (CO1043	38-01) Water		_	/10/07 10:35		_		Prepared	Analyzed	Method		Note
 	7D (CQ3040												•
Aluminum Arsenic		04 06	June 0	7 49 ND	20	μg/L "	1	CQ08455	10/11/07	10/12/07	EPA 200.8		
	•	-, ,	ND		2.0				ı, 11	"	· "		
Copper		DD ,	ΝУ	ND	1.0	. "			. 16	"		•	
ron				490	50	**		. "	u U	u u	U ,		
Zine Cadmium		•		4.4 ND	2.0 0.50	**	. "		"				
	CO 10/29 04	1) Water Co	······································		0.30 7 11:45 Recei	4. 10/	11/07 00-0	 n			ľ	i	
•	** .	•	impieu:				7.1/07.08:00				_	·	
Aluminum	Now 1	ocation		ND	20	μg/L	1	CQ08455	10/11/07	10/12/07	EPA 200.8		
Arsenic	1-00- (ND	2.0	16	n	U .	π .	11	IT		
Copper	,			ND	1.0	12	1 1	И	, 11	1†	." ,		
ron				610	50	11	ti .	ti .	10	ii;	†I	•	
Zinc				ND	. 2.0	11	*1	ti	11	1)	п		
Cadmium			٠ .	ND	0.50		*1	u	14	u ·	It		
WM 6 USFS I	DAM (CQJ	0438-03) Wa	ter San	npled:	10/10/07 12:00	Receiv	ed: 10/11/(07 08:00					
Aluminum				22	20	μg/L	1	CQ08455	10/11/07	10/12/07	EPA 200.8		
Arsenic		-		ND	2.0	16	II	ı, i	I†	. 10	11		
Copper		62	78	41	1.0	16	н	В	11 .	ı,	It		
lron			• •	740	50	. "	II	U	. 11	ır	11		
Zine '				5.6	2.0	It	tı	u	11	11	. •1		
Cadmium				ND	0.50	1 0	11	I)	ļŧ	H	ti .		
WM 8 LGC I)/S DC (CQ	J0438-04) W	ater Sa	mpled	: 10/10/07 12:1	0 Rece	ived: 10/11	/07 08:00		•	•		
Aluminum		1		41	20	μg/L	1	CQ08455	10/11/07	10/12/07	EPA 200.8		
Arsenic				ND	2.0	" .	11	"	11	n	11		
Copper		29	17	16	1.0	62	IJ	11	u	Ŋ	ĸ		
lron		× 1	, ,	630	50	н	· U	It	N	U	U		
Zinc	•			3.9	2.0	U	Ħ	It .	H	11	u		
Cadmium				ND	0.50	II	tt	II.	IF	. 11	и.,		
WM 3 DC D/8	S (CQJ0438	-05) Water	Sample	d: 10/1	0/07 12:40 R	eceived: 1	10/11/07 08	3:00					
Aluminum			<u> </u>	66	20	μg/L	1	CQ08455	10/11/07	10/12/07	EPA 200.8		
Arsenic	**			ND	2.0	ր Մահ	11	# CG09422	10/11/07	1 Of 1 Zi O f	DFA 200.0		
Copper		8.0	9.4	33	· 1.0	ti	п	11	u	Ц	ш.,		
tron		7.0	(, "l	1000	250	ti	5)ı	и .	10/12/07	0 -		
Zinc				4.0	2.0	u	1	11	u	10/12/07	n	1	
Cadmium				ND	0.50	п	er If	*1	II	10/12/07	I†		
WM 1 Portal	(COJ0438-	06) Water S	Sampled		/07 13:25 Rec	eived: 10)/11/07 08•	00			•		
- -	(OK00400-1	- Travel k	- ampiou	• •		•					·		
Aluminum				ND	20	μg/L	1	CQ08455	10/11/07	10/12/07	EPA 200.8	•	

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CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: PCA 13180

CLS Work Order #: CQJ0438

Project Manager: Steve Rosenbaum

COC #: 74121

MM 1 Portal (CQJ0438-06) Water Sampled: 10/10/07 13:25 Received: 10/11/07 08:00	Analyte				Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Copper	WM 1 Portal	(CQJ0438-06)	Water S.	ampled	: 10/10/6	07 13:25 Rece	ived: 10	0/11/07 08:	00		<u> </u>		
ND	Arsenic					2.0	μg/L	1	CQ08455	10/11/07	10/12/07	EPA 200.8	
Iron	Copper	•	150	100	91	1.0	-	16	'n	in .	n .	tt	
Cadmium	Iron		10-		ND	50	It	H	ti	I)	11	ŧı	
MM 2 DC U/S (CQJ0438-07) Water Sampled: 10/10/07 13:30 Received: 10/11/07 08:00	Zine				29	2.0	n.	u	1f	' 0	II	11	•
Aluminum 20 20 µg/L 1 CQ08455 10/11/07 10/12/07 EPA 200.8	Cadmium		•		ND	0.50	t1	n	. 11	U)ı	16	
Arsenic	WM 2 DC U	'S (CQJ0438-0'	7) Water	Sample	d: 10/10	/07 13:30 Re	ceived:	10/11/07 08	:00				
Copper	Aluminum					20	μg/L	1	CQ08455	10/11/07	10/12/07	EPA 200.8	
Tron	Arsenic		i			2.0	11	. 11	I)	11	н .	u	
Ton	Copper		ηD	įij) ND	1.0	ţI	11	Ð	u	· ii	\$ 1	
ND	Iron		, •	•	50	50	ĮI.	II	Ħ	it.	П	II.	
WM 9 LGC At BC (CQJ0438-08) Water Sampled: 10/10/07 15:00 Received: 10/11/07 08:00	Zinc				2.3	2.0)ı	п	**	11	П	Ħ	
Aluminum Arsenic Aluminum Arsenic Aluminum Arsenic Aluminum Arsenic Arsenic Arsenic Aluminum Arsenic Cadmium				ND	0.50	II	H .	n	u u	u .			
Arsenic Copper Diron South 12 1.0 South 12 1.0 South 13 South 15 So	WM 9 LGC	At BC (CQJ04	38-08) Wat	er Sa	mpled: J	0/10 <u>/</u> 07 15:00	Receiv	/ed: 10/11/0	7 08:00				
Copper	Aluminum		"			20	μg/L	1	CQ08455	10/11/07	10/12/07	EPA 200.8	
Symbol S	Arsenic				ND	2.0	H	It	. н	It	16	0	
Iron	Copper		28	16	12	1.0	11	11	0 .	n	и,	ıt	
ND 0.50	Iron		Ber 8.		590	50	n	11	ų.	0	H · ·	11	
MM 12 MB Ward CK (CQJ0438-09) Water Sampled: 10/10/07 15:30 Received: 10/11/07 08:00					3.6	2.0	ıı	It	O.	н	11	11	
Aluminum Arsenic ND 2.0 """""""""""""""""""""""""""""""""	Cadmium				ND	0.50	, 11	If	D	H	ţi.	11	
Arsenic Copper 2, 8 4, 6 3.4 1.0 " " " " " " " " " " " " " " " " " " "	WM 12 MB	Ward CK (CQ	J0438-09) V	Vater	Sample	d: 10/10/07 15	:30 Re	ceived: 10/	11/07 08:0	0 ′			
Copper 2, 5 4,6 3.4 1.0	Aluminum				42	20	μg/L	1	CQ08455	10/11/07	10/12/07	EPA 200.8	
Tron	Arsenic				ND	2.0	31	*1	n	H .	14	п	
Fron S6 S0	Copper		2.8	4.6	3.4	· 1.0	11	11	h .	U	n	u	
Cadmium ND 0.50 " " " " " " " " " " " " " " " " " " "	Iron		010		56	50	п	. 11	n	D	u	61	
WM 13 NYE CK (CQJ0438-10) Water Sampled: 10/10/07 15:35 Received: 10/11/07 08:00 Aluminum ND 20 μg/L 1 CQ08455 10/11/07 10/12/07 EPA 200.8 Arsenic ND 2.0 " " " " " " " " " " " " " " " " " " "	Zinc					2.0	п	11	II	н	11	11	
Aluminum Arsenic Arsenic ND 20 μg/L 1 CQ08455 10/11/07 10/12/07 EPA 200.8 ND 2.0 " " " " " " " " " " " " " " " " " " "	Cadmium				ND	0.50	II	n	н	11	H	и .	
Arsenic ND 2.0 " " " " " " " " " " " " " " " " " " "	WM 13 NYE	CK (CQJ0438	3-10) Water	Sam	pled: 10	/10/07 15:35	Receive	d: 10/11/07	08:00				
Copper ND 1.0 " " " " " " " " " " " " " " " " " " "		<u> </u>				20	μg/L	1	CQ08455	10/11/07	10/12/07	EPA 200.8	
Iron ND 50 " " " " " " " " " " " " " " " " " "	Arsenic					2.0	Ð	H	и	11	: :	. "	
Iron ND 50 " " " " " " " " " " " " " " " " " "	Copper	•	Cila	ИD	ND		1)	н	lı .	17	n .	IF	
Cadmium ND 0.50 " " " " " " " " " " " " " " " " " " "	Iron		la a			50	įI.	ŧI.	ı	I†	Ħ	It	
WM 17 NB Ward CK (CQJ0438-11) Water Sampled: 10/10/07 15:45 Received: 10/11/07 08:00 Aluminum ND 20 μg/L I CQ08455 10/11/07 10/12/07 EPA 200.8	Zinc				ND	2.0	0	Ħ	μ	I†	Ħ	41	
Aluminum ND 20 μg/L I CQ08455 10/11/07 10/12/07 EPA 200.8	Cadmium		÷		ND	0.50	11	ti	11	μ	at ,	11 .	
	WM 17 NB V	Ward CK (CQ)	J0438-11) V	Vater	Sample	d: 10/10/07 15	:45 Re	ceived: 10/	11/07 08:0				
	Aluminum				ND	20	րլg/L	ı	CQ08455	10/11/07	10/12/07	EPA,200.8	
	Arsenic		•		ND	2.0			,	II			

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CRWQCB - Sacramento

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

Walker Mine

Project Number: PCA 13180 Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC #: 74121

Analyte		· .		Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM 17 NE	3 Ward CK (C	QJ0438-11) W	ater	Sampled	l: 10/10/07 15	:45 Rec	eived: 10/	11/07 08:00)		· · · · · · · · · · · · · · · · · · ·	
Copper		94	NΩ	ND.	1.0	<u></u> μg/L	1	CQ08455	10/11/07	10/12/07	EPA 200.8	
Iron				ND	50	I†	tř	ı:	11	11	11	
Zinc				2.2	2.0	ıt	II	ıı	u	41	н	
Cadmium				ND	0.50	I†	11	11	fi	я	II	

10/23/07 13:11

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC #: 74121

Analyte Re	Reporting esult Limit		Dilution	Batch	Prepared	Analyzed	Method	Note
WM 5 LGC U/S (CQJ0438-01) Water Sample	1: 10/10/07 10:35	Received	10/11/07	08:00				<u> </u>
Aluminum	ND 20	 μg/L	1	CQ08495	10/12/07	10/15/07	EPA 200.8	
Arsenic	ND 5.0	R	11	II	, п ,	н	· • •	
Copper	ND 2.0	li .	11	II	II	Ħ	ıı '	
Iron	340 50	ш	II	II	Ħ	*1	ti	
Zinc	3.2 2.0	li	#1	a .	ti	11	11	
Cadmium	ND 0.50	И	It	II	11	II.	н	
WM 70 U/S (CQJ0438-02) Water Sampled: 10	/10/07 11:45 Reć	eived: 10/	(1/07 08:00	0				
Aluminum	ND 20	μg/L	1	CQ08495	10/12/07	10/15/07	EPA 200,8	٠
Arsenic	ND 5.0	II	IT	11	11	ŧı	н .	
Copper	ND 2.0	', II	17	. 17	11	11	11	
Iron	400 50	II	. #	18	11	11	ħ	
Zinc	ND 2.0	II	IT	11	• п	11	11	
Cadmium	ND 0.50	li II	И	11	П	. " .	11	
WM 6 USFS DAM (CQJ0438-03) Water Samp	oled: 10/10/07 12:0	00 Receiv	ed: 10/11/0	7 08:00				
Aluminum	ND 20	μg/L	Ī	CQ08495	10/12/07	10/15/07	EPA 200.8	
Arsenic	ND 5.0	11	lt	Ħ	n	It	12	-
Copper	34 2.0	н	li	†I	. "	11	Ħ	
Iron	620 50	11	B	11	11*	.r	11	
Zinc	7.2 2.0	. #	I#	11	n	n	11	
Cadmium	ND 0.50	n	h	11	11 .	II	ii .	
WM 8 LGC D/S DC (CQJ0438-04) Water San	pled: 10/10/07 12	:10 Recei	ved: 10/11	/07 08:00				
Aluminum	ND 20	μg/L	1	CQ084951	10/12/07	10/15/07	EPA 200.8	
Arsenic	ND 5.0		. 41	" 11	11	II	lt .	
Copper	12 2.0	Ħ	11	u	Ħ	п	II.	
	470 50	h	11	ti	tf ·		11	
Zinc	3.3 2.0	, H	11	ti	tt	ш	Ħ	
Cadmium	ND 0.50	11	. 18	ti	. 17	Ħ	и .	
WM 3 DC D/S (CQJ0438-05) Water Sampled:	10/10/07 12:40. I	Received: I	.0/11/07 08	3:00				
			1	CQ08495	10/12/07	10/15/07	EPA 200.8	
Aluminum	31 20	μg/L	1	CCOOLS	10/12/07	10/13/07	DI 11 2.00.0	
·	31 20 ND 5.0		li T	4	10/12/07	10/15/07	DI 11 200,0	
Aluminum Arsenic Copper		. "		***				
Arsenic Copper	ND 5.0	· I(lı	11	н .	11	n	
Arsenic Copper Iron	ND 5.0 20 2.0	. H	lı	11	II - II ₋	. a	n	
Arsenic Copper Iron Zinc	ND 5.0 20 2.0 330 50	11 11 11	lı	4 R	II - II - II	11 * tt * tt	1) 14 11	
Arsenic Copper Iron Zinc Cadmium	ND 5.0 20 2.0 330 50 4.2 2.0	11 11 13 14	14 11 11 11	41 11 17 14	11 . 11 . 11	n . a . u	n n n n	

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC #: 74121

Analyte		Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM 1 Portal (CQJ0438-06) Water	Sampled: 10/10/0	7 13:25 Rece	ived: 10)/11/07 08:	00				
Arsenic		18	5.0	μg/L	1	CQ08495	10/12/07	10/15/07	EPA 200.8	
Copper		89	2.0	11	,n ·	ır ·	Ħ	II .	ú	
Iron ·		ND	50	. 11	li ,	"	. 11	ti.	n	
Zine		28	2.0	IF.	· [I	н	11	11	ų	
Cadmium	•	ND	0.50	ir.	II	II	lf	IP	I†	
WM 2 DC U/S	(CQJ0438-07) Water	Sampled: 10/10	/07 13:30 Re	ceived:	10/11/07 08	3:00	40-		a	
Aluminum	•	ND	20	μg/L	1 .	CQ08495	10/12/07	10/15/07	- EPA 200.8	
Arsenic		ND	5.0	П	n	11	it	. #	li .	
Copper		ND	2.0	D	lı	11	ч	п	u .	
Iron		ND	50	a	II	5 n	П	и .	11	
Zinc	•	2.1	2.0	: 0	li	II	11	. 0	įl	
Cadmium		· ND	0.50	п	. 11	u	II	tt ·	If	
WM 9 LGC A	t BC (CQJ0438-08) V	Vater Sampled: 1	0/10/07 15:00	Receiv	/ed: 10/11/	7 08:00				
Aluminum		ND	20	μg/L	ľ	CQ08495	10/12/07	10/15/07	EPA 200.8	
Arsenic		ND	5.0	п	11	u	u	11	lt	
Copper		7.9	2.0	H	11	u	ħ	11	II ·	
Iron		460	50	li	11	ut .	Ħ	şř	If	•
Zinc		2.4	2.0	н	11	11	17	11	ıt .	
Cadmium	•	ND	0.50	11	u	II	n	III	0	
WM 12 MB W	ard CK (CQJ0438-09	9) Water Sample	d: 10/10/07 15	:30 Re	ceived: 10/	11/07 08:0	0			
Aluminum	.,	25	20	μg/L	1	CQ08495	10/12/07	10/15/07	EPA 200.8	
Arsenic		, ND	5.0	tt	It	#1	и	ıı	It	
Copper		2.8	2.0	11	ų	II.	n	и	п	
Iron		59	50	IÍ	11	It	lı	U		
Zinc		2.1	2.0	I!	11	μ	11	11	П	A-COM
Cadmium		ND	0.50	u	IF	u	it.	It	17	
WM 13 NYE (CK (CQJ0438-10) Wa	ater Sampled: 10	/10/07 15:35	Receive	d: 10/11/07	⁷ 08:00			_	
Aluminum		ND	20	μg/L	I	CQ08495	10/12/07	10/15/07	EPA 200.8	
Arsenic		ND	5.0	и.	†1	' . B	П	ш	11	
Copper		ND	2.0	If	11	II	II	u	11	
Iron	•	ND	50	Iş.	-1#	и	Ħ	n	11	
Zinc		3.6	2.0	lt.	B	11	ħ	T.		A-CON
Cadmium		ND	0.50	"	II	11	п .	#f	п	
WM 17 NB W	ard CK (CQJ0438-11	l) Water Sample	d: 10/10/07 15	:45 Re	ceived: 10/	11/07 08:0	0	•		
		NID.	20		•	0000406	10/10/07	10/15/07	DD 4 200 0	
Aluminum		· ND	20	μg/L	1	CQ08495	10/12/07	10/13/07	EPA 200.8	

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CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC #: 74121

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM 17 NB Ward CK (CQJ0438-11) Water	Sampled:	10/10/07 15	:45 Rec	eived: 10/1	(1/07 08:00)			
Copper	ND	2.0 ·	μ g/ L	1	CQ08495	10/12/07	10/15/07	EPA 200.8	
Iron	ND	50	li .	18	II	11	п	ti	*
Zinc	ND	2.0	li .	н	n	n	u	11	
Cadmium	ND	0.50	• 11	h	II	#	11		

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11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC #: 74121

Analyte	Résult	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CQ08449 - General Preparation		•		_						
Blank (CQ08449-BLK1)				Prepared	& Analyz	ed: 10/11/	07			
Hexavalent Chromium	ND	10	μg/L							QC-2H
LCS (CQ08449-BS1)				Prepared	& Analyz	ed: 10/11/	07			
Hexavalent Chromium	280	10	μg/L	250		112	85-115			
LCS Dup (CQ08449-BSD1)				Prepared	& Analyz	ed: 10/11/	07			
Hexavalent Chromium	272	10	μg/L	250	-	109	85-115	2.83	20	
Matrix Spike (CQ08449-MS1)	Sou	rce: CQJ04	38-01	Prepared	& Analyz	ed: 10/11/	07			
Hexavalent Chromium	268	10	μg/L	250	8.80	104	85-115			
Matrix Spike Dup (CQ08449-MSD1)	Sou	irce: CQJ04	38-01	Prepared	& Analyz	ed: 10/11/	07			
Hexavalent Chromium	278	10	μg/L	250	8.80	108	85-115	3.66	20	
Batch CQ08450 - General Preparation										
Blank (CQ08450-BLK1)				Prepared	& Analyz	ed: 10/11/	07			
Hexavalent Chromium, Dissolved	ND	10	μg/L				,			QC-2H
LCS (CQ08450-BS1)				Prepared	& Analyz	ed: 10/11/	07			
Hexavalent Chromium, Dissolved	280	10	μg/L	250		112	80-120		•	
LCS Dup (CQ08450-BSD1)				Prepared	& Analyz	red: 10/11/	07			
Hexavalent Chromium, Dissolved	271	10	μg/L	250		108	80-120	3.24	20	
Matrix Spike (CQ08450-MS1)	Son	urce: CQJ04	38-01	Prepared	& Analyz	zed: 10/11/	07			-
Hexavalent Chromium, Dissolved	284	10	μg/L	250	ND	114	80-120			· -

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11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC #: 74121

Analyte	Result	Leporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CQ08450 - General Preparation		,		•						_
Matrix Spike Dup (CQ08450-MSD1)	Source	: CQJ043	38-01	Prepared .	& Analyze	d: 10/11/0)7			
Hexavalent Chromium, Dissolved	281	10	μg/L	250	ND	112	80-120	1.17	20	
Batch CQ08454 - General Prep					-					
Blank (CQ08454-BLK1)				Prepared	& Analyze	d: 10/11/0	07	-		
Sulfate as SO4	ND	0.50	mg/L							
Chloride	ND	0.50	If							
LCS (CQ08454-BS1)				Prepared	& Analyze	d: 10/11/0	07			
Chloride	1.87	0.50	mg/L	2.00		93.3	80-120			•
Sulfate as SO4	5.18	0.50	It	5.00		104	80-120			
LCS Dup (CQ08454-BSD1)		•		Prepared:	10/11/07	Analyzed	: 10/12/07			
Chloride	1.86	0.50	mg/L	2.00	<u> </u>	92.8	80-120	0.537	20	
Sulfate as SO4	5.12	0.50	I†	5.00		102	80-120	1.11	20	
Matrix Spike (CQ08454-MS1)	Source	: CQJ04	38-01	Prepared	& Analyzo	d: 10/11/	07			
Sulfate as SO4	5.30	0.50	mg/L	5.00	0.565	94.6	75-125	-		
Chloride	2.44	0.50	ŧ	2.00	0.854	79.1	75-125			
Matrix Spike Dup (CQ08454-MSD1)	Source	: CQJ04	38-01	Prepared	& Analyze	d: 10/11/0	07		•	i
Chloride .	2.48	0.50	mg/L	2.00	0.854	81.1	75-125	1.63	25	-
Sulfate as SO4	5.39.	0.50	It	5.00	0.565	96.6	75-125	1.83	25	
Batch CQ08461 - General Preparation										•
Blank (CQ08461-BLK1)				Prepared	& Analyz	ed: 10/11/	. ——— 0.7			
Specific Conductance (EC)	ND	1.0	μmhos/cn					· ,		

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11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC#: 74121

Analyte	Result	Rep	orting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CQ08487 - General Preparation	<u> </u>					·					
Blank (CQ08487-BLK1)					Prepared &	& Analyze	d: 10/12/0)7 ,	_		
Methylene Blue Active Substances	ND		0.10	mg/L		-	•				
LCS (CQ08487-BS1)					Prepared &	& Analyze	d: 10/12/0)7			
Methylene Blue Active Substances	0.460		0.10	mg/L	0.500		92.0	80-120		•	
LCS Dup (CQ08487-BSD1)					Prepared &	& Analyze	d: 10/12/	07			
Methylene Blue Active Substances	0.458	•	0.10	mg/L	0.500		91.6	80-120	0.458	20	1
Matrix Spike (CQ08487-MS1)	S	urce:	CQJ03	86-05	Prepared &	& Analyze	d: 10/12/	07			
Methylene Blue Active Substances	0.296		0.10	mg/L	0.500	ND	59.2	75-125			QM-5
Matrix Spike Dup (CQ08487-MSD1)	Sc	urce:	CQJ03	86-05	Prepared &	& Analyze	d: 10/12/0)7			_
Methylene Blue Active Substances	0.314		0.10	mg/L	0.500	ND	62.9	75-125	6.00	25	QM-5
Batch CQ08496 - General Preparation											
Blank (CQ08496-BLK1)					Prepared &	& Analyze	:d: 10/12/0)7			
Total Alkalinity	ND		5.0	mg/L	<u>-</u>						
Bicarbonate as CaCO3	ND		5.0	n							
Carbonate as CaCO3	ND		5.0	n							
Hydroxide as CaCO3	ND	•	5.0	H							
Batch CQ08511 - General Preparation											
Blank (CQ08511-BLK1)					Prepared &	& Analyze	d: 10/15/0)7			7)
Total Dissolved Solids	ND		10	mg/L	·						

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: COJ0438

COC #: 74121

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CQ08511 - General Preparation										
Duplicate (CQ08511-DUP1)	So	arce: CQJ04	38-01	Prepared	& Analyze		 07			
Total Dissolved Solids	73.0	. 10	mg/L		71.0			2.78	20	
Batch CQ08576 - 6010A/No Digestion		<u>.</u>								
Blank (CQ08576-BLK1)				Prepared	& Analyz	ed: 10/16/	07			
Calcium	ND	1.0	mg/L	_				_		
Magnesium	ND	1.0	**							
Potassium	ND	1.0	Ħ			i				
Sodium	ND	1.0	If							
Hardness as CaCO3	ND	1.0	Ir	-						
LCS (CQ08576-BS1)_				Prepared a	& Analyze	ed: 10/16/	07			
Calcium	11.4	1.0	mg/L	10.0		114	80-120		_	
Magnesium	10.5	1.0	H	10.0		105	80-120		8.	
Potassium	10.8	1.0	11	10.0		108	80-120			
Sodium :	10.6	1.0	11	10.0		106	80-120			
LCS Dup (CQ08576-BSD1)				Prepared	& Analyze	ed: 10/16/0	07			
Calcium	11.6	1.0	mg/L	10.0		116	80-120	2.00	20	· .
Magnesium	10.7	·1.0	n	10.0		107 .	80-120	1.89	20	
Potassium	11.0	1.0	I†	10.0		110	80-120	2.20	20	
Sodium	10.7	1.0	11	10.0		107 .	80-120	1.50	20	
Matrix Spike (CQ08576-MS1)	Sot	irce: CQJ04	38-01	Prepared	& Analyze	ed: 10/16/	07			
Calcium	28.0	1.0	mg/L	10.0	15.8	122	75-125	_		
Magnesium	17.4	1.0	11	10.0	6.64	108	75-125			
Potassium	13.2	1.0	1(10.0	2.11	I 11	75-125		•	
Sodium	15.0	1.0	, #1	10.0	4.30	107	75-125		•	

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11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC #: 74121

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CQ08576 - 6010A/No Digestion						<u>.</u>				
Matrix Spike Dup (CQ08576-MSD1)	Sou	rce: CQJ04	38-01	Prepared	& Analyze	d: 10/16/	07			
Calcium	27.9	1.0	mg/L	10.0	15.8	121	75-125	0.465	25	
Magnesium	17.8	1.0	If .	10.0	6.64	112	75-125	2.27	25	
Potassium	13.4	1.0	IP.	10.0	2.11	113	75-125	2.03	25	
Sodium	15.4	1.0	P	10.0	4.30	111	75-125	2.96	25	

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

Walker Mine

Project Number: PCA 13180 Project Manager: Steve Rosenbaum CLS Work Order #: CQJ0438

COC #: 74121

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 CQ08455 - EPA 3020A								-	-	
Blank (CQ08455-BLK1)				Prepared:	10/11/07	Analyzed	l: 10/12/07			,
Aluminum	ND	20	μg/L				,			
Arsenic	ND	2.0	ı				•			
Copper	ND	1.0	Iş							
Iron	ND	50	H							•
Zinc	ND	2.0	u							
Cadmium	ND	0.50	μ							
LCS (CQ08455-BS1)				Prepared:	10/11/07	Analyzed	i: 10/12/07		-	
Aluminum	104	20	μg/L	100		104	80-120			
Arsenic	102	2.0	ıı	100		102	80-120	• .		
Copper	97.6	1.0		100		97.6	80-120			•
Iron	96.2	50	It	100		96.2	80-120			÷
Zinc	100	2.0	Ħ,	100		100	80-120			
Cadmium	9.62	0.50	4)	10.0		96.2	80-120			
LCS Dup (CQ08455-BSD1)	•			Prepared:	10/11/07	Analyzed	1: 10/12/07		•	
Aluminum	105	20	μg/L	100		105	80-120	1.10	20	•
Arsenic	.101	2.0	lı .	100		101	80-120	0.917	20	
Copper	99.0	1.0	п	100		99.0	80-120	1.35	20	
Iron	98.3	50	п	100		98.3	80-120	2.10	20	
Zinc	101	2.0	(I	100		101	80-120	0.259	20	
Cadmium	9.73	0.50	a	10.0		97.3	80-120	1.14	20	
Matrix Spike (CQ08455-MS1)	Soi	irce: CQJ04	38-01	Prepared:	10/11/07	Analyzed	1: 10/12/07	r		
Aluminum	156	20	μg/L	100	48.9	107	75-125			
Arsenic	102	2.0	ıı	100	ND	102	75-125			
Copper	93.8	1.0	16	100	0.330	93.4	75-125			
Iron	575	- 50	a	100	490	84.9	75-125			
Zinc	98.2	2.0	· II	100	4.36	93.9	75-125		•	
Cadmium	9.77	.0.50	п	10.0	ND	97.7	75-125			

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11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC #: 74121

Metals by EPA 200 Series Methods - Quality Control

		Reporting		Spike'	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD,	Limit	Notes
Batch CQ08455 - EPA 3020A					·.					
Matrix Spike Dup (CQ08455-MSD1)	Sour	ce: CQJ04	38-01	Prepared:	10/11/07	Analyzed	: 10/12/07			
Aluminum	157	20	μg/L	100	48.9	108	75-125	0.615	25	
Arsenic	104	2.0	19	100	ND	104	75-125	2.42	25	
Copper .	94.2	1.0	I†	100	0.330	93.9	75-125	0.479	25	
Iron	585	. 50	n	100	490	94.7	75-125	1.68	25	•
Zinc	99.5	2.0	н	100	4.36	95.1	75 -125	1.22	25 '	
Cadmium	9.84	0.50	H	10.0	ND	98.4	75-125	0.714	25	

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11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project:

Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC#: 74121

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 CQ08495 - EPA 3020A				,	<u>.</u>				·	
Blank (CQ08495-BLK1)				Prepared:	10/12/07	Analyzed	l: 10/15/07			•
Aluminum	ND	20	μg/L					· · · · · ·		
Arsenio	ND	5.0	Iŧ			•				-
Copper	ND	2.0	р							•
ron	ND	50	Ш	,						
Zinç	ND	2.0	11							
Cadmium	ND	0.50	Ħ							
LCS (CQ08495-BS1)				Prepared:	10/12/07	Analyzed	i: 10/15/07	,		
Aluminum	105	20	μg/L	100		105	80-120			
Arsenio	112	5.0	11	100		112	80-120			
Copper	105	2.0	IŤ	100	•	105	80-120			
ron	82.0	50	II	100		82.0	80-120			
Zinc	110	2.0	+ 81 ,	100		110	80-120			
Cadmium	11,2	0.50	ıi.	10.0		112	80-120			
LCS Dup (CQ08495-BSD1)				Prepared:	: 10/12/07	Analyzed	d: 10/15/07	<i></i>		
Aluminum	107	20	μg/L	100		107	80-120	1.67	20	
Arsenic	112	5.0	н	100		112	80-120	0.0714	20	
Copper	106	2.0	11	100		106	80-120	0.917	20	
Îron	94.5	50	41	100		94.5	80-120	14.2	20	
Zinc	111	2.0	It	100		111	80-120	0.724	20	
Cadmium	10.8	0.50	и	10.0		108	80-120	3.62	20	
Matrix Spike (CQ08495-MSI)	So	urce: CQJ04	38-01	Prepared	: 10/12/07	Analyze	d: 10/15/0 <u>3</u>	7		•
Aluminum	-118	. 20	μg/L	100	14.9	104	75-125			
Arsenic -	111	5.0	11	100	ND	111	75-125			
Copper	100	2.0	н	100	ND	100	75-125			
Iron	422	50	11	100	337	85.0	75-125			
Zinc	107	2.0	ät	100	3.15	103	75-125		-	
Cadmium	11.1	0.50	' H	10.0	ND	111	75-125			

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CRWQCB - Sacramento

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

Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC #: 74121

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

Analyte	Result	Reporting Limit	Únits	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CQ08495 - EPA 3020A			·			,				
Matrix Spike Dup (CQ08495-MSD1)	Sour	ce: CQJ04	38-01	Prepared:	10/12/07	Analyzed:	10/15/07	•		
Aluminum	119	20	μ g /L	100	14.9	104	75-125	0.573	25	
Arsenic	110	5.0	п	100	ND	110	75-125	0.534	25	
Copper	98.6	2.0	п	100	ND	98.6	75-125	1.55	25	
Iron	437	50	п	100	337	99.4	75-125	3.33	25	
Zinc	104	2.0	П	100	3.15	101	75-125	2.13	25	•
Cadmium	10.9	0.50	п	10.0	ND	109	75-125	2.37	25	

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CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Steve Rosenbaum

CLS Work Order #: CQJ0438

COC#: 74121

Notes and Definitions

QM-5 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference: The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

QC-2H The recovery of one CCV was greater than the acceptance limit. However, all analytes in the associated samples were ND; therefore a reanalysis was not performed.

HT-F This is a field test method and it is performed in the lab outside holding time.

A-COMa Total value of Zn is 1.81ug/L

A-COM Total value of Zn is 1.77ug/L.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

Sample results reported on a dry weight basis dry

RPD Relative Percent Difference

3249 Fitzgerald Road Rancho Cordova, CA 95742

July 11, 2008

CLS Work Order #: CRF0997 COC #: 74122, 94817

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 06/25/08 08:00. 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



Change of Status Work Order # CRF0997

Per client request, Sample CRF0997-04, "WM-1 Portal" was analyzed for Hexavalent Chromium and Hexavalent Chromium Dissolved, in addition to analyses requested on the Chain of Custody.

COMPOSITE: BILD Graup 7 is Total Metals, +DISSONNED Metals + General Minerals FIELD CONDITIONS: Need low defection **№** levels Ger Metals SPECIAL INSTRUCTIONS CLS ID No.; CHEDIAT LOG NO. 74122 PRINT NAME / COMPANY Ē □YES ALT. $(5) = H_2SO_4$ $(6) = Na_2S_2O_3$ NVOICE TO: QUOTE# P.O. # 14 R G A GEOTRACKER: **EDF REPORT** Ø YAG TURN AROUND TIME GLOBAL ID: 10 CONDITIONS/COMMENTS ê YAŒ AIR BILL# (s) = COLD (4) = NaOH 22 Jan 10 (4) s YAG RECEIVED BY (SIGN) ΥΑα **ANALYSIS REQUESTED** Store S Bid Group PRESERVATIVES: 6-25-08/0800 hrs. derece DATE / TIME OTHER _ © **PRESERVATIVES** CHAIN OF CUSTODY CLS (916) 638-7301 3249 FITGERALD RD. RANCHO CORDOVA, OA. 95742 Plasta DESTINATION LABORATORY CONTAINER CLIENT JOB NUMBER Jeff Huggins/RWOCB 일 PRINT NAME / COMPANY CahuPayka OTHER MATRIX 3 Dan JOB DESCRIPTION WELL CALLINY MONITORING ري ک Valley Regional Works Brand MBWC Jeff Huggins/Vidor Izeo 16c/ CATUR DOONENM-5. LGC 4/8 92.956 1030 NM-19 - Settling 1225 WM-6- 415FS eticia Valadez IDENTIFICATION 1020 WM-3×12 D STRELOCATION PLANTES COUNTY SAMPLE WM-1-Poct 1245 WM-70a; 1300 WM- 7021 Of Hidgins 1240 WM-70D NM-9' WM-Z WM-d REPORT TO: PROJECT NAME WALKER PLINE 1405 MM-13 FEDX "erdoule, CA RELINQUISHED BY (SIGN) 355 WM-1 2 thanks CLS - Labs 200 1130 100 Q111 TIME NAME AND ADDRESS F Ranche Ce PROJECT MANAGER -- SHIPPED BY: SAMPLED BY DATE ×

8Y7 eticia Valudot Hetals + General Minerals COMPOSITE BIG Group 7 is Total Metals + Dissolved Hetals + General Minerals **Q** Need low defection levels for Metals SPECIAL INSTRUCTIONS Rafe 2/2 LOG NO. 94817 <u>=</u> PRINT NAME / COMPANY ☐ YES ALT INVOICE TO: QUOTE# P.O. # GEOTRACKER: EDF REPORT 10 VACI TURN AROUND TIME GLOBAL ID: ā YAG CONDITIONS / COMMENTS: AIR BILL# (3) = COLD (4) = NaOH CLS ID NO. CREDIAT S YÀŒ RECEIVED BY (SIGN) r YAa ANALYSIS REQUESTED 16-25-68/0000hr. Gray 7 Bid PRESERVATIVES: DATE / TIME OTHER **PRESERVATIVES** CHAIN OF CUSTODY CLS (916) 638-7301 3249 FTZGERALD RD. RANCHO CORDOVA, CA. 95742 2 25.25 17.77 DESTINATION LABORATORY CONTAINER CLIENT JOB NUMBER Teff Huggins/RWOLB õ PRINT NAME / COMPANY MATRIX CRY Board JOB DESCRIPTION WAYER QUALITY MONTBELLING SAMPLED BY JEHT Huggins/Victor IRRO NBWC NBWC Ny Regional Water **IDENTIFICATION** CA 95670 NAME AND ADDRESS Leticia Valade? るとなって Rancho Cordoux CH 436 PROJECT WANNAGEN JEAF Huggins 5-24-081415 WM-13 -24-08 1430 NM- 17 EDX REPORT TO: PROJECT NAME Walker Ming RELINQUISHED BY (SIGN) Hando SITE LOCATION YLLMCS Valley CLS - Labs SUSPECTED CONSTITUENTS TIME SHIPPED BY: PANO. DATE

California Laboratory Services

07/11/08 09:08

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: [none] Project Manager: Jeff Huggins CLS Work Order #: CRF0997

COC#: 74122, 94817

Conventional Chemistry Parameters by APHA/EPA Methods

Sulfate as SO4 ND 0.50 mg/L mg/L " CR05243 06/26/08 06/26/08 06/26/08 EPA 300.0 Total Dissolved Solids 76 10 " " CR05260 06/25/08 08:00 06/26/08 06/27/08 SM2540C WM-3 DC D/S (CRF0997-02) Water Sampled: 06/24/08 10:20 Received: 06/25/08 08:00 Total Alkalinity 72 5.0 mg/L 1 CR05267 06/26/08 06/26/08 06/26/08 SM2310B SM2310B Bicarbonate as CaCO3 72 5.0 " " " " " " " " " " " " " " " " " " "	Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Bicarbonate as CaCO3	WM-5 LGC M/S (CRF0997-01) Water	Sampled: 06/2	24/08 10:00	Received:	06/25/08	08:00		_	•	
Carbonate as CaCO3	Total Alkalinity	54	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
No. No.	Bicarbonate as CaCO3	54	5.0	i II	ţI	I)	"		* 4	
Chloride	Carbonate as CaCO3		,	li						
Specific Conductance (EC)	Hydroxide as CaCO3	ND		II	II .	I)	n	ıl	h '	
Methylene Blue Active Substances		0.56			11	CR05243	06/26/08	06/26/08	EPA 300.0	
Calcium 12 1.0 " CR05610 07/10/08 07/10/08 07/10/08 200.7/2340B 200.7/2340B Magnesium 4.7 1.0 " " " " " " " " " " " " " " " " " " "	Specific Conductance (EC)			µmhos/cm	II	CR05229	06/25/08	06/25/08	EPA 120.1	
Magnesium	Methylene Blue Active Substances	ND	0.10	mg/L	II	CR05253	06/26/08	06/26/08	SM5540 C	
Protessium 1.2 1.0 " " " " " " " " " " " " "	Calcium	12	1.0	ti '	p	CR05610	07/10/08	07/10/08	200.7/2340B	
Forestation 1.2 1.0	Magnesium	4.7	1.0	11	p	11	12	· #	n	
Hardness as CaCO3 50 1.0 "	Potassium		1.0	11	u	*1	n	И	11	
pH 7.17 0.01 pH Units " CR05214 06/25/08 SM4500-H B H Sulfate as SO4 ND 0.50 mg/L " CR05243 06/26/08 06/26/08 EPA 300.0 Total Dissolved Solids 76 10 " CR05243 06/26/08 06/26/08 EPA 300.0 WM-3 DC D/S (CRF0997-02) Water Samplet: 06/24/08 10:20 Received: 06/25/08 08:00 06/26/08 06/26/08 SM2310B Total Alkalinity 72 5.0 mg/L " " " " " " " " " " " " " " " " " " "	Sodium	3.7	1.0	If	н	ır	II	. 17	Tr.	
Sulfate as SO4	Hardness as CaCO3	50	1.0	II	11	IT	Ü	n	If	
Total Dissolved Solids	pH	7.17			lt	CR05214	06/25/08	06/25/08	SM4500-H B	HT-
WM-3 DC D/S (CRF0997-02) Water Sampled: 06/24/08 10:20 Received: 06/25/08 08:00 Total Alkalinity 72 5.0 mg/L 1 CR05267 06/26/08 06/26/08 SM2310B Bicarbonate as CaCO3 72 5.0 " <td< td=""><td>Sulfate as SO4</td><td>ND</td><td></td><td>mg/L</td><td></td><td>CR05243</td><td>06/26/08</td><td>06/26/08</td><td>EPA 300.0</td><td>•</td></td<>	Sulfate as SO4	ND		mg/L		CR05243	06/26/08	06/26/08	EPA 300.0	•
Total Alkalinity 72 5.0 mg/L 1 CR05267 06/26/08 06/26/08 SM2310B Bicarbonate as CaCO3 72 5.0 " " " " " " " " " " " " " " " " " " "	Total Dissolved Solids	76	10	11	p	CR05260	06/26/08	06/27/08	SM2540C	
Bicarbonate as CaCO3	WM-3 DC D/S (CRF0997-02) Water 8	Sampled: 06/24	/08 10:20 F	Received: 0	6/25/08 0	8:00				
Sicarbonate as CaCO3	Total Alkalinity		5.0			CR05267			SM2310B	
Hydroxide as CaCO3 ND 5.0 " " CR05243 06/26/08 06/26/08 EPA 300.0 Chloride 0.56 0.50 " " CR05243 06/26/08 06/26/08 EPA 300.0 Specific Conductance (EC) 140 1.0 μmhos/cm " CR05229 06/25/08 06/25/08 EPA 120.1 Methylene Blue Active Substances ND 0.10 mg/L " CR05253 06/26/08 06/26/08 SM5540 C Calcium 16 1.0 " " CR05610 07/10/08 07/10/08 200.7/2340B Magnesium 8.0 1.0 " " " CR05610 07/10/08 07/10/08 200.7/2340B Magnesium ND 1.0 " " " " " " " " " " " " " " " " " " "	Bicarbonate as CaCO3					. н	••		ti .	
Chloride	Carbonate as CaCO3					II			n ·	
Chordree Chordree	•	ND			11	11	II	. 11	н .	
Methylene Blue Active Substances ND 0.10 mg/L " CR05253 06/26/08 06/26/08 SM5540 C Calcium 16 1.0 " " CR05610 07/10/08 07/10/08 200.7/2340B Magnesium 8.0 1.0 " " " " " " " " " " " " " " " " " " "		0.56			If	CR05243	06/26/08	06/26/08	EPA 300.0	·
Calcium 16 1.0 " " CR05610 07/10/08 07/10/08 200.7/2340B Magnesium 8.0 1.0 "		140	1.0	•	If	CR05229	06/25/08	06/25/08	EPA 120.1	
Calcium 1.0 1.0 CROSSIO 07/10/08 07/10/08 200.7/2340B Magnesium 8.0 1.0 " " " " " " " " " " " " " " " " " " "	Methylene Blue Active Substances	ND	0.10			CR05253	06/26/08	06/26/08	SM5540 C	
Potassium ND 1.0 """""""""""""""""""""""""""""""""	Calcium	16	1.0					07/10/08	200.7/2340B	
Sodium 3.2 1.0 " " " " " " " " " " " " " " " " " " "	Magnesium	8.0	1.0	и	п	Ή.	11	II	N	
Hardness as CaCO3 74 1.0 " " " " " " " " " " " " " " " " " " "	Potassium	ND	1.0	II	*1	, n	II	B)†	
PH 7.32 0.01 pH Units " CR05214 06/25/08 06/25/08 SM4500-H B H Sulfate as SO4 ND 0.50 mg/L " CR05243 06/26/08 06/26/08 EPA 300.0 Total Dissolved Solids 100 10 " " CR05260 06/26/08 06/27/08 SM2540C WM-19 Settling Pond (CRF0997-03) Water Sampled: 06/24/08 10:30 Received: 06/25/08 08:00 Total Alkalinity 28 5.0 mg/L 1 CR05267 06/26/08 06/26/08 SM2310B Bicarbonate as CaCO3 28 5.0 " " " " " " " " " " " " " " " " " " "	Sodium	3.2	1.0					==	If .	
Sulfate as SO4 ND 0.50 mg/L " CR05243 06/26/08 06/26/08 EPA 300.0 Total Dissolved Solids 100 10 " " CR05260 06/26/08 06/27/08 SM2540C WM-19 Settling Pond (CRF0997-03) Water Sampled: 06/24/08 10:30 Received: 06/25/08 08:00 Total Alkalinity 28 5.0 mg/L 1 CR05267 06/26/08 06/26/08 SM2310B Bicarbonate as CaCO3 28 5.0 " " " " " " " " " " " " " " " " " " "	Hardness as CaCO3	74	1.0	u	it	*1	11	rí	11	•
Total Dissolved Solids 100 10 " " CR05260 06/26/08 06/27/08 SM2540C WM-19 Settling Pond (CRF0997-03) Water Sampled: 06/24/08 10:30 Received: 06/25/08 08:00 SM2540C Total Alkalinity 28 5.0 mg/L 1 CR05267 06/26/08 06/26/08 SM2310B Bicarbonate as CaCO3 ND 5.0 "	pH	7.32	0.01	pH Units	п	CR05214	06/25/ 0 8	06/25/08	SM4500-H B	HT-
Notal Dissolved Solids 100	Sulfate as SO4	ND	0.50	mg/L	п	CR05243	06/26/08	06/26/08	EPA 300.0	
Total Alkalinity 28 5.0 mg/L 1 CR05267 06/26/08 06/26/08 SM2310B Bicarbonate as CaCO3 28 5.0 " " " " " " " " " " " " " " " " " " "	Total Dissolved Solids	100	10	Iţ	11	CR05260	06/26/08	06/27/08	SM2540C	
Bicarbonate as CaCO3 28 5.0 "	WM-19 Settling Pond (CRF0997-03) W	ater Sampled	l: 06/24/08 1	0:30 Rece	ived: 06/2	25/08 08:0	0		4	
Carbonate as CaCO3 ND 5.0 " " " " " " " " " " " " " " " " " " "	Total Alkalinity	28	5.0	mg/L	1	CR05267	06/26/08		SM2310B	
Hydroxide as CaCO3 ND 5.0 " " " " " " " " " " " " " " " " " " "	Bicarbonate as CaCO3		5.0			-				-
Chloride 0.63 0.50 " " CR05243 06/26/08 06/26/08 EPA 300,0	Carbonate as CaCO3	ND	5.0	11	11	ft	IF .	II .	ti	
	Hydroxide as CaCO3	ND	5.0	17	1 ? .	н.	H	e e	tı	
Specific Conductance (EC) 170 1.0 μmhos/cm " CR05229 06/25/08 06/25/08 EPA 120.1	Chloride	0.63	0.50	н .	17	CR05243	06/26/08	06/26/08	EPA 300,0	
	Specific Conductance (EC)	170	1.0	µmh o s/cm	n	CR05229	06/25/08	06/25/08	EPA 120.1	-

CA DOHS ELAP Accreditation/Registration Number 1233

07/11/08 09:08

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order #: CRF0997

COC#: 74122, 94817

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-19 Settling Pond (CRF0997-03) Wat	ter Sampled	: 06/24/08 10):30 Recei	ived: 06/2	25/08 08:00				
Methylene Blue Active Substances	ND	0.10	mg/L	1	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	22	1.0	11	If	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	5.2	1.0	u	и	It	11	n	tt .	
Potassium	2.3	1.0	41	ŧi	tt	, If	Ħ	П	
Sodium	5.2	1.0		91	tl	Œ	Iŧ	и .	
Hardness as CaCO3	75	1.0	II.	19	4	n	H	D.	
pH	7.36	0.01	pH Units	t1	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	49	2.5	mg/L	5	CR05243	06/26/08	06/27/08	EPA 300.0	
Total Dissolved Solids	140	10	ŋ	1	CR05260	06/26/08	06/27/08	SM2540C	
WM-1 Portal (CRF0997-04) Water San	npled: 06/24/0	8 11:00 Re	ceived: 06/	25/08 08:	:00		•		
Total Alkalinity	59	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	59	5.0		п	n	u	П	И	
Carbonate as CaCO3.	ND	5.0	li	Œ	II	ч.	H	It	
Hydroxide as CaCO3	ND	5.0	· u	111	u .	It	It.	91	
Chloride	0.66	0.50	Ħ	11	CR05243	06/26/08	06/26/08	· EPA 300.0	
Specific Conductance (EC)	. 110	1.0	μmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	ţŧ	CR05228	06/25/08	06/25/08	EPA 7196A	
Hexavalent Chromium, Dissolved	ND	10	If	ti i	10		· '44'. H	H	•
Methylene Blue Active Substances	ND	0.10	mg/L	. #	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	· 12	1.0	11	41	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	4.8	1.0	U	п	II	H		It.	
Potassium	ND	1.0	- 11	91	n	lt .	11	u	
Sodium	5.3	1.0	II	It.	11	ű.	It	· 11	
Hardness as CaCO3	49	1.0	IJ	Ħ	R	а	11	If .	
pH	7. 3 0°	0.01	pH Units	11	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	1.0	0.50	mg/L	i It	CR05243	06/26/08	06/26/08	EPA 300.0	
Total Dissolved Solids	100	10	В	и	CR05260	06/26/08	06/27/08	SM2540C	
WM-2 DC M/S (CRF0997-05) Water S	Sampled: 06/2	4/08 11:10	Received:	06/25/08	08:00			. •	
Total Alkalinity	77	5.0		1.	CR05267	06/26/08	06/26/08	. SM2310B	-
Bicarbonate as CaCO3	77	5.0	Ħ	11	"	1(21	и .	
Carbonate as CaCO3	ND	5.0	. If	If	11	I,	II	15	
Hydroxide as CaCO3	ND	5.0	ti.	H	11	ч	H	11	
Chloride	0.57	0.50	. 11	N	CR05243	06/26/08	06/26/08	EPA 300.0	
Specific Conductance (EC)	140	1.0	μmhos/cm	It	CR05229	06/25/08	06/25/08	EPA 120.1.	
Methylene Blue Active Substances	ND	0.10	mg/L	u .	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	15	1.0	_	II	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	8.1	1.0	ıı ı	IP.	ıţ	ĸ	ti	· II	
Potassium	ND	1.0	ш	(1	п	11	· 11	и	
, viagorium	1,15	2.0			•		•		

07/11/08 09:08

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: [none] Project Manager: Jeff Huggins CLS Work Order #: CRF0997

COC#: 74122, 94817

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM-2 DC M/S (CRF0997-05) Water	Sampled: 06/24	/08 11:10	Received: (D6/ 25 /08 0	8:00				-
Sodium	3.1	1.0	mg/L	1	CR05610	07/10/08	07/10/08	200.7/2340B	
Hardness as CaCO3	71	1.0	11	11 .	ti	Ħ	11	11	
ρΗ	7.67	0.01	pH Units	11	CR05214	06/25/08	06/25/08	SM4500-H B	HT-
Sulfate as SO4	ND	0.50	mg/L	11	CR05243	06/26/08	06/26/08	EPA 300.0	
Total Dissolved Solids	100	10	11	li	CR05260	06/26/08	06/27/08	SM2540C	
WM-4 DC @ 48" (CRF0997-06) Wate	r Sampled: 06/	24/08 11:30	Received	I: 06/25/08	3 08:00				
Total Alkalinity	73	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	-
Bicarbonate as CaCO3	73	5.0	11	It	It	11	11	11	
Carbonate as CaCO3	ND	5.0	11	†I	It	11	H	H	
Hydroxide as CaCO3	ND	5.0	11	∤I	II .	11	11	n	
Chloride .	0.55	0.50	. tı	, a	CR05243	06/26/08	06/26/08	EPA 300.0	
Specific Conductance (EC)	140	1.0	μmhos/cm	ù	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0,10	mg/L	ţı	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	14	1.0	н	'n	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	7.5	1.0	· II	h	p	If	11	"	
Potassium	ND	1.0	н	tt	H	If	п	n	
Sodium	3.4	1.0	и	tf	17	If	ır))	
Hardness as CaCO3	67	1.0	11	rs.	H	ır ,	ff	ri	
нq	7.65	0.01	pH Units	· N	CR05214	06/25/08	06/25/08	SM4500-H B	HT-
Sulfate as SO4	0.54	0.50	mg/L	ıŧ	CR05243	06/26/08	06/26/08	EPA 300.0	***
Total Dissolved Solids	110	10	11		CR05260	06/26/08	06/27/08	SM2540C	
WM-9 LGC @ BC (CRF0997-07) Wat		5/24/08 12:0	0 Receive	ed: 06/25/0					
Total Alkalinity	60	5.0	mg/L	i	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	60	. 5.0	11	H.	n	f1	1)	ıı	
Carbonate as CaCO3	ND	5.0	11	n '	tı ,	11	u	н -	
Hydroxide as CaCO3	ND	5.0	ŋ	11	11	11	u	11	
Chloride	0.53	0.50	11	n	·CR05243	06/26/08	06/26/08	EPA 300.0	
Specific Conductance (EC)	130	1.0	umhos/cm	и,	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	b	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	14	1.0	11.65	tt	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	4.7	1.0	II	ti	17	IT	11 11 11 11 11	11	
Potassium	1,5	1.0	II	16	n	ır	31	п	
Sodium	4.3	1.0	n	. ц	n	ır	a a	ħ	
Hardness as CaCO3	56	1.0	н	п	1)	If	11	*1	
pH	7.76	0.01	pH Units	1)	CR05214	06/25/08	06/25/08		
Sulfate as SO4	6.1	0.50	mg/L	D	CR05214			SM4500-H B	HT-
Total Dissolved Solids	100	0.30	ug/L			06/26/08	06/26/08	EPA 300.0	
					CR05260	06/26/08	06/27/08	SM2540C	
WM-6 MSFS Dam (CRF0997-08) Wat	ter Sampled: 00	/24/08 12:2	5 Keceive	ea: 06/25/0	.00:80 BU				

07/11/08 09:08

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order #: CRF0997

COC #: 74122, 94817

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-6 MSFS Dam (CRF0997-08) Water	Sampled: 0		Receive	d: 06/25/0	08 08:00				
Total Alkalinity	71	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	71	5.0	11	tı	. 11	Ð		(I	
Carbonate as CaCO3	ND	5.0	**	n .	II .	0	#	†I	•
Hydroxide as CaCO3	ND "	5.0	ti	ti.	IJ	U	11	fl fl	
Chloride	0.57	0.50	ri .	0	CR05243	06/26/08	06/26/08	EPA 300.0	
Specific Conductance (EC)	150	1.0	umhos/cm	I)	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	O	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	18	1.0	ti	B	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	6.6	1.0	· ·	j)	IJ	ø	II	,H · ·	
Potassium	1.3	1.0	ti	II.	. н	U	II	11	
Sodium	4.2	1.0	*1	II.	O	1)	11	H*	
Hardness as CaCO3	73	1.0	*1	It	1)	0.5	II	it [*]	
pH	7.88	0.01	pH Units	μ	CR05214	06/25/08	06/25/08	SM4500-HB	HT-F
Sulfate as SO4	7.1	0.50	mg/L	Ü	CR05243	06/26/08	06/26/08	EPA 300.0	
Total Dissolved Solids	110	10	11	Я	CR05260	06/26/08	06/27/08	SM2540C	
WM-70B DC (CRF0997-09) Water Sam	pled: 06/24/0	8 12:40 Rec	eived: 06/	25/08 08:	00				:
Total Alkalinity	74	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	74	5.0	I†	H	tt	H	, 0	It	
Carbonate as CaCO3	ND	5.0	11	Ħ	n .	· tt	D.	st	
Hydroxide as CaCO3	ND	5.0	11	Ħ	н	11	II	ø .	
Chloride	0.58	0.50	11)i	CR05243	06/26/08	06/27/08	EPA 300.0	
Specific Conductance (EC)	140	1.0	umh os/c m	н	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	Ð	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium.	15	1.0	**	11	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	6.8	1.0	11	11	. #	Ħ	71	н ,	
Potassium	1.2	1.0	10	11	H	If	Щ	fi	
Sodium	3.8	1.0	11	И	II	I†	ıt	u	
Hardness as CaCO3	65	1.0	11)I	. 11	и,)7	Ø	
pH	7.94	0.01	pH Units	II	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	0.98	0.50	mg/L	11	CR05243	06/26/08	06/27/08	EPA 300.0	
Total Dissolved Solids	92	. 10	II	ii.	CR05260	06/26/08	06/27/08	SM2540C	
WM-70A LGC/DC (CRF0997-10) Water	Sampled: 0	6/24/08 12:45	Receive	d: 06/25/	08:00				
Total Alkalinity	57	5.0	mg/L	-1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	57	5.0	11	D	'n		14	11	
Carbonate as CaCO3	ND	5.0	†1	11	'n	u u	n	n	
Hydroxide as CaCO3	ND	5.0	*1	ш	II.	, u	ıt	n	
Chloride	0.54	0.50	ti	H	CR05243	06/26/08	06/27/08	EPA 300.0	
Specific Conductance (EC)	120	1.0	μmhọs/ c m	н	CR05229	06/25/08	06/25/08	EPA 120.1	

CA DOHS ELAP Accreditation/Registration Number 1233

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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: Jeff Huggins

CLS Work Order #: CRF0997

COC#: 74122, 94817

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM-70A LGC/DC (CRF0997-10) Water	Sampled: 0	5/24/08 12:45	Receive	ed: 06/25/	08 08:00		:		
Methylene Blue Active Substances	ND	0.10	mg/L	1	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	14	1.0	Ħ	10	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	4.3	1.0	Ħ	17		lt	l†	11	
Potassium	1.6	1.0	li	н	ıt	ıt .	II.	1f	
Sodium	4.4	1.0	, н	u	н	4	IF	11	
Hardness as CaCO3	52	1.0	H	II.	11	lt .	, it	. 11	
pH	7.41	0.01	pH Units	(I	CR05214	06/25/08	06/25/08	SM4500-H B	HT-1
Sulfate as SO4	4.8	0.50	mg/L	(I	CR05243	06/26/08	06/27/08	EPA 300.0	
Total Dissolved Solids	84	10	11	u	CR05260	06/26/08	06/27/08	SM2540C	
WM-11 SBWC (CRF0997-12) Water Sa	mpled: 06/24	/08 13:55 R	eceived: 0	6/25/08 0	8:00				
Total Alkalinity	23	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	23	5.0	71	tı	17	п	a	If .	
Carbonate as CaCO3	ND	5.0	11	11	H	ıı	u	II.	
Hydroxide as CaCO3	ND	5.0	u	ti.	Ħ	ti	If	n	
Chloride	0.51	0.50	(I	O	CR05243	06/26/08	06/27/08	EPA 300.0	•
Specific Conductance (EC)	46	1.0	μmhos/cm	ıi	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	11	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	4.7	1.0	11	II	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	1.6	1.0	11	» II	19	И	ь	ų	
Potassium	ND	1.0	a	и,	H	п	If	п	
Sodium	2.6	1.0	u	ш	H	įl.		п	
Hardness as CaCO3	18	1.0	19	(1	**		ıŧ	11	
pH _.	6.70	0.01	pH Units	ш	CR05214	06/25/08	06/25/08	SM4500-H B	HT-I
Sulfate as SO4	0.65	0.50	mg/L	ш	CR05243	06/26/08	06/27/08	EPA 300.0	••••
Total Dissolved Solids	34	10	II	(1	CR05260	06/26/08	06/27/08	SM2540C	
WM-12 MBWC (CRF0997-13) Water Sa	mpled: 06/2	4/08 14:05 I	Received:	06/25/08 (08:00				
Fotal Alkalinity	14	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	14	5.0	11	п	II .	IF.	ø	u	
Carbonate as CaCO3	ND	5.0	Ħ	11	· u	it it	. h	ıı .	
Hydroxide as CaCO3	ND	5.0	ti	11	H	п	P.	\$I	
Chloride	0.52	0.50	tı ·	1(CR05243	06/26/08	06/27/08	EPA 300.0	-
Specific Conductance (EC)	34		μmhos/cm	11	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	11	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	2.9	1.0	11	ti	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	1.5	1.0	н	G	11	"	111100	200.772540D .	
Potassium	ND	1.0	u	37	п	и	n	I†	
*		=	H	ıł.					
Sodium	1.2	1.0	ri .	II.		11	11		

07/11/08 09:08

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

Project: Walker Mine Project Number: [none]

CLS Work Order #: CRF0997 COC#: 74122, 94817

Project Manager: Jeff Huggins

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-12 MBWC (CRF0997-13) Water	Sampled: 06/24	4/08 14:05 F	Received:	06/25/08	08:00				· ,
рН	6.10	0.01	pH Units	1	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	19	CR05243	06/26/08	06/27/08	EPA 300.0	•••
Total Dissolved Solids	24	10	n	, п	CR05260	06/26/08	06/27/08	SM2540C	•
WM-13 Nye Creek (CRF0997-14) Wa	ter Sampled: 06	5/24/08 14:15	Receive	d: 06/25/0	08:00	•		•	
Total Alkalinity	53	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	53	5.0	f†	II	ŧı	11	11	I†	
Carbonate as CaCO3	ND	5.0	n	ı	II	н	ţi.	u,	
Hydroxide as CaCO3	ND	5.0	IÌ	п.	н.	n	(1	11	
Chloride	ND	0.50	П	и	CR05243	06/26/08	06/27/08	EPA 300.0	
Specific Conductance (EC)	100	1.0 ;	umhos/cm	и	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	11	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	10	1.0	II	п	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	4.8	1.0	n	II	11	I)	ч	n	
Potassium	ND	1,0		Ц	**	II.	11	I†	
Sodium	2.6	1.0	Ħ	И	Ħ	u,	ŧ1	It	
Hardness as CaCO3	45	1.0	ti	п	· u	11	*1	п	
$_{ m pH}$	6.99		pH Units	If	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	it .	CR05243	06/26/08	06/27/08	EPA 300.0	*** 1
Total Dissolved Solids	75	10		h	CR05260	06/26/08	06/27/08	SM2540C	
WM-17 NBWC (CRF0997-15) Water	Sampled: 06/24	/08 14:30 R	eceived; (06/25/08 0				D171#2 10 0	
Total Alkalinity	80	5.0	mg/L	1	CR05267	06/26/08	. 06/26/08	 SM2310B	
Bicarbonate as CaCO3	80	5.0	. 17)I	u ·	п	n	t t	
Carbonate as CaCO3	ND	5.0	l†	n ·	11	I)	11	11	
Hydroxide as CaCO3	ND	5.0	If		II	U.	11	11	
Chloride	0.63	0.50	II	11	CR05243	06/26/08	06/27/08	EPA 300.0	
Specific Conductance (EC)	160	1.0 :	umhos/cm	'n	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	11	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	18	1.0	ii .	II	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	7.6	1.0	n	ıt) N	11	It	10 .	
Potassium	1.7	1.0	11	lf	11	11	ıt	IT	
Sodium	3.8	1.0	71	и	n .	71	п	ŧt.	
Hardness as CaCO3	7 5	1.0	11	tž	11	11	п	ıt .	
pH	7.92		pH Units	n	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	0.51	0.50	mg/L	ŋ	CR05214	06/26/08	06/27/08	-	ml-r
Total Dissolved Solids	110	10	mg/L	n				EPA 300.0	
TOTAL DISSULACE SOURS	TTA	10			CR05260	06/26/08	06/27/08	SM2540C	

07/11/08 09:08

CRWOCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: [none] Project Manager: Jeff Huggins

CLS Work Order #: CRF0997

COC#: 74122, 94817

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note	
WM-5 LGC M/S (CRF0997-01) Water	er Sampled: 06/24/08 10:00		Receive	d: 06/25/08	08:00					
Aluminum	25	20	μ g/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	,	
Arsenic	ND	2.0	H	"	, H	#	. "	f I		
Copper	ND	1.0	· #	(1	ıı	0	11	11		
Iron	440	50	ţı	11	II	11	ı ıt	li .		
Zinc	ND	2.0	Ti.	†1	li fi	j)	u .	ıt		
Cadmium	ND	0.50	ŧi.	18	I)	П.	11	IE		
WM-3 DC D/S (CRF0997-02) Water S	Sampled: 06/24/	08 10:20 R	teceived:	06/25/08 08	8:00		_			
Aluminum	, 26	20	μ g/L	1 .	CR05266	06/26/08	06/27/08	EPA 200.8		
Arsenic	ND	2.0	11	11	R	10	11	P		
Copper.	3.6	1.0	Ø	u	ti	н	a	n		
Iron	700	50	· ti	II.	ŧ	II	‡ I	h		
Zine	3.2	2.0	11	ıs	11	n	11	11		
Cadmium	ND	0.50	19	n	.#1	10	I)	11		
WM-19 Settling Pond (CRF0997-03) W	ater Sampled:	06/24/08 1	0:30 Re	ceived: 06/2	25/08 08:00)			•	
Aluminum	52	20	μ g/L	1 .	CR05266	06/26/08	06/27/08	EPA 200.8		
Arsenic	ND	2.0	И	11	IJ ·	tt.	ti	п		
Copper	540	5.0		5	Ħ	11	н	1)		
Iron	390	50	u	1	ų	11	н	II.		
Zine	68	2.0	4	9	jt	17	P	H		
Cadmium	0.50	0.50	ŧt.	ħ	H	U	9	H		
WM-1 Portal (CRF0997-04) Water Sa	impled: 06/24/0	8 11:00 Re	eceived: 0	6/25/08 08:	:00					
Aluminum	ND	20	μg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8		
Arsenic	12	2.0	"	n	u ·	h	ŋ	п	·	
Copper	110	1.0	R	. 11	ıt	0	11	11		
Iron	ND	50	R .	11	į)	11	. 11	11 .		
Zinc	25	2.0	9	'n'	Ħ	al .	It	' u		
Cadmium	ND	0.50	11	U	. #	И	11	II		
WM-2 DC M/S (CRF0997-05) Water	Sampled: 06/24	/08 11:10	Received	06/25/08 (08:00					
Aluminum	ND	20	μ g/ L	1	CR05266	06/26/08	06/27/08	EPA 200.8		
Arsenic	ND	2.0	Tr	II	11	41	D	0.		
Copper	1.5	1.0	n	11	If	Iŧ	u '	n		
Iron	ND	50	(1	d	n	11	0	0 '		
Zinc	6.7	2.0	n	ti	tt	n '	0	11		
Cadmium	ND	0.50	tt	H	ŢĬ	ti	11	11		
WM-4 DC @ 48" (CRF0997-06) Water				ed: 06/25/0	8 08:00			_		
Aluminum	ND	20	μg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8		

California Laboratory Services

07/11/08 09:08

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order #: CRF0997

COC#: 74122, 94817

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM-4 DC @ 48" (CRF0997-06) Water	Sampled: 06/	24/08 11:30	Receive	d: 06/25/08	08:00			_	
Arsenic	ND	2.0	μg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Copper	9.2	1,0	ti	11	I+	ч	st	ır	
Iron	260	50	11	1f	li	11	n '	. р	
Zinc	3.0	. 2.0	и	If	II	11	II .	u	
Cadmium	ND	0.50	tt	H	II	ű.	II	u u	•
WM-9 LGC @ BC (CRF0997-07) Water	Sampled: 06	6/24/08 12:00	Receiv	/ed: 06/25/(8 08:00		· 		_
Aluminum	ND	20	μg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	IT	**	Ħ	II	a	11	
Copper	8.7	1.0	Ħ	11 .	11	tt.	11	II	
Iron	540	50	+1	12	11	ft	11	II	
Zinc	2.9	2.0	. 11	II.	tt	11	D	. R	
Cadmium	·· ND	0.50	If .	n	. 11	И	0	. 16	
WM-6 MSFS Dam (CRF0997-08) Water	Sampled: 00	5/24/08 12:25	Receiv	/ed: 06/25/(00:80 8			_	
Aluminum	, ND	20	μg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	п	' π	, ń	u	Į†	ч	
Copper	71	1.0	II	11	II		n	If	
Iron	1900	50	II.	IP.	н		н	n	
Zinc	11	2.0	¢1	11	91	10	. 11	. 11	
Cadmium	ND	0.50	ti	II	1(11	. 11	n	
WM-70B DC (CRF0997-09) Water Sai	mpled: 06/24/0	8 12:40 Red	eived: 0	6/25/08 08:	00				
Aluminum	52	20	μg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	-
Arsenic	ND	2.0	п	lt ,	ū	10	11	H	
Copper	13	1.0	ħ	В	u	n	и	ų.	
Iron	260	50	11	п	*1	ti	H	#1	
Zine	3.9	2.0	If	ŧ	4	Ħ	łŧ	11	
Cadmium	, ND	0.50	li .	e e	D .	**	0	11 .	
WM-70A LGC/DC (CRF0997-10) Water	r Sampled: 0	6/24/08 12:4:	5 Recei	ved: 06/25/	08 08:00	•			
Aluminum	ND	20	μg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	И	. 17	11	71	ır .	Ir	
Copper	ND	1.0	. 11	(1	. 15	11	If	It	
Iron	550	50	G.	11	li .	. 15		11	
Zinc	2.4	2.0	1)	It	• н	II	. 14	ţI	
Cadmium	ND	0.50	ħ	(1	1)	П	(1	n	
WM-70D NSFS Div (CRF0997-11) Water	er Sampled:	06/24/08 13:0	0 Rece	ived: 06/25	/08 08:00				
Aluminum	ND	. 20	μg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ŃD	2.0	н	ft.	18	41	n .		

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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: Jeff Huggins

CLS Work Order #: CRF0997

COC #: 74122, 94817

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM-70D NSFS Div (CRF0997-11) Water	r Sampled: 00	5/24/08 13:0	0 Receiv	ved: 06/25	/08 08:00	:			
Copper	16	1.0	μg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	_
(ron	390	50	11	1)	n	,n	ıt	I†	
Zine	4.8	2.0	*1	11	υ .	II	ıt	It	
Cadmium	ND	0.50	ti.	11	B	H	ir	и	
WM-11 SBWC (CRF0997-12) Water Sa	ampled: 06/24/	08 13:55 R	eceived:	06/25/08 0	8:00				
Aluminum	44	20	μg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	lt .	н	11	ţi.	я	11	
Copper	3.4	1.0	II .	ıt	ti	u	n	tı	
ron	ND	50	u	ıt	n	U .	н	Ħ	
Zine	11	2.0	u	11	II	II.	н	. н	
Cadmium	ND	0.50	Ħ	11	lt .	11	It	п	
WM-12 MBWC (CRF0997-13) Water S	Sampled: 06/24	08 14:05 F	leceived:	06/25/08	08:00				
Muminum	29	20	μg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	н	13	II	11	Ħ	r it.	
Copper	4.0	1.0	u	ц	Ц	tt		ıt ıt	•
ron	ND	50	If	n	i ii	ħ	n ·	Ħ	
Zinc	2.5	2.0	ıt	ţi.	И	n	tı	n	
Cadmium	ND	0.50	п	IF	11	п	IJ		*.*
WM-13 Nye Creek (CRF0997-14) Water	Sampled: 06/	24/08 14:15	Receive	ed: 06/25/0	08:00			ı.	
Muminum	ND	20	μg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	<u> </u>
rsenic	ND	2.0	U	ţı	U	u	ŧI	0 '	•
Copper	1.5	1.0	ly.	15	U	н	n	ır	
ron	ND	50	U	R	ц	tj	п	If ,	
Line	2.0	. 2.0	If	R	ц	W	ú	. 14	
Cadmium	ND	0.50	ıı	II	II	tt	ú	ıt	
VM-17 NBWC (CRF0997-15) Water Sa	ampled: 06/24/	08 14:30 R	eceived:	06/25/08 0	8:00				
Alumi nu m	ND	20	<u>μ</u> g/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	11	17	11	H	II	n	
Copper	ND	1.0	1r	i†	11	и	H	11	
ron	ND	50	11	IT.	11	n	Ħ	H	
Zinc	ND	2.0	ft	ıt.	ti	II	ff	Ħ	
Cadmium	ND	0.50	*1	ır		11	u		

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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: Jeff Huggins

CLS Work Order #: CRF0997

COC#: 74122, 94817

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM-5 LGC M/S (CRF0997-01) Wate	r Sampled: 06/	24/08 10:00	Received	: 06/25/08	08:00		-		
Aluminum	. ND	20	 μg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	11	11	ti ·	n	l)	ti	
Cooper	ND	2.0	11	II	**	И	II	31	
Iron ·	260	100	11	2	"1	R	п	11	
Zinc	2.4	2.0	ti	l	tl	H	U	A)	
Cadmium	ND	0.50	\$ 1	11	н	p	IP	11	
WM-3 DC D/S (CRF0997-02) Water	Sampled: 06/24	/08 10:20 F	Received: 0	6/25/08 0	8:00				
Aluminum	ND	20	 μg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	. 41	Ħ	'n	и	U	11	
Copper	ND	2.0	н .	11	11	11	H .	ti	
(ron	260	100	н	2	li .	11	. 13	H	
Zinc	3.1	2.0	Ÿ.	1	lı .	tr	10	44	
Cadmium	ND	0.50	11	tı	II	Ħ	11	II.	
WM-19 Settling Pond (CRF0997-03)	Water Sampled	: 06/24/08 1	0:30 Rece	ived: 06/2	25/08 08:00)		i	
Aluminum	ND	. 20	μg/L	1	C R05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	ţl	ŧı	Ħ	NJ.		R	
Copper	200	2.0	ti	SI .	ti .	ß	Œ	U	
(ron	ND	50	tı	H	"	. 15	' п	u	
Zinc	63	2,0	N	11	· tı	II	"	ti	
Cadmium	ND	0,50	ėl	. 11	tr	li	'n	п	
WM-1 Portal (CRF0997-04) Water	Sampled: 06/24/0	8 11:00 Re	ceived: 06	/25/08 08:	:00				
Aluminum	ND	20	μg/L ·	1	CR.05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	14	5.0	II	t)	P	0	4	II	
Copper	92	2.0	в .	Į1	It	п	и	п	
Iron	ND	50	11	н .	lt .	, II	п	11	
Zinc	28	2.0	ш	. 10	t _t	u .	lr	Ħ	
Cadmium ·	ND	0.50	n	19	ĮI	D.	n	11	
WM-2 DC M/S (CRF0997-05) Water	Sampled: 06/24	I/08 11:10 I	Received: (06/25/08 0	8:00				
Aluminum	ND	20	μg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	ı, D	ft .	ti	ч	н	11	
Copper	ND	2.0	U	11	ù	н	· tı	11	
Iron	ND	50	u	្ន	Ü	11	n	11	
Zine	2.6	2.0	п	ŧı	, a	**	11	ti	
Cadmium	ND	0.50	d	H	ū	11	11	п	
WM-4 DC @ 48" (CRF0997-06) Wate	er Sampled: 06		Received	I: 06/25/0	8 08:00				
Aluminum	ND.	20	μg/L		CR05293	06/27/08	06/30/08	EPA 200.8	
÷			. 3 –	-					

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CRWOCB - Sacramento

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

Project: Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order #: CRF0997

COC #: 74122, 94817

Analyte ,	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-4 DC @ 48" (CRF0997-06) Water	Sampled: 06/	24/08 11:30	Receive	d: 06/25/0	8 08:00				
Arsenic	ND	5.0	μg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Copper	7.7	2.0	11	tí .	11	tt	11	#1	
Iron	160	50	11	11 /	10	К	11	H.	
Zinc	3.0	2.0	41	. 11	19	K	11	11	
Cadmium	ND	0.50	п	II	H	tt	If	п	
WM-9 LGC @ BC (CRF0997-07) Water	Sampled: 06	5/24/08 12:00	Receiv	/ed: 06/25/	08 08:00				
Aluminum	ND	20	μ g/ L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	П	It	ţ1	tt	11	11	
Copper	6.0	2.0	II	It	. 11	и	n ·	li .	
Iron	310	100	u	2	11	tt	n	H	
Zine	2.5	2.0	Ħ	1	H	ıt	rt	I†	
Cadmium	ND	0.50	N	11	II	, R	11	n	
WM-6 MSFS Dam (CRF0997-08) Water	Sampled: 06	6/24/08 12:25	Receiv	ed: 06/25/	08 08:0 0				
Aluminum	ND	20	μg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	R	tř	ti .	ti	If	. и	
Copper	33	2.0	If	ų	11	И	It	İt	
Iron	660	250	0	5	11	н	17	11	
Zinc	5.7	2.0	: n	· 'I	ti	ĮI	, D	Ir	
Cadmium	ND	0,50	ŧ	II	Į	it	11	l†	
WM-70B DC (CRF0997-09) Water San	npled: 06/24/0	8 12:40 Rec	eived: 0	6/25/08 08	:00			٠	•
Aluminum	ND	20	μg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	11	(1	11	Ħ	If	ŧi	
Copper	10	2.0	. 0	u ·	q	*1	н	н	
Iron	140	50	. 11	li II	ч	14	и	It	
Zinc	2.5	2.0	41	п	11	н	11	ш	
Cadmium	ND	0.50	II	18	li.	- II	11	ŧI.	
WM-70A LGC/DC (CRF0997-10) Water		6/24/08 12:45	Recei	ved: 06/25	/ 08 08:0 0				
Aluminum	ND	20	μg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	11	11	11	. 11	р .	lt .	
Copper	ND	2.0	It	1.0	11	13	п	16	•
Iron	340	100	11	2	п	n	Ħ	16	
Zinc	ND	2.0	ÎII	i	Iř	II	†I	u	
Cadmium	ND	0.50	. "	D	t!	II	ti	п	
WM-70D NSFS Div (CRF0997-11) Wate		06/24/08 13:0	0 Rece	ived: 06/2	5/08 08:00				
Aluminum	ND	20	μg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	11	н	li	li li	11	"	
FILOUIIV	1112	5.0							

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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: Jeff Huggins

CLS Work Order #: CRF0997

COC#: 74122, 94817

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM-70D NSFS Div (CRF0997-1	l) Water Sampled: (6/24/08 13:0	0 Recei	ved: 06/25/	/0 8 0 8:00		= ,		
Copper	14	2.0	μg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
fron	270	100	II	2	If	в.	11	n .	
Zinc	4.7	2.0		1	II.	н.	11	11	
Cadmium	ND	0.50	п .	u	II	11	и .	16	
WM-11 SBWC (CRF0997-12) W	ater Sampled: 06/24	/08 13:55 R	eceived:	06/25/08 0	8:00				
Aluminum	· ND	20	μg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	ti	li	H	It	71	Ħ	
Copper	2.8	2.0	11	II	н	II*	n .	†1	
ron	ND ·	50	10	n .	D	19	11"	11	
Zinc	13	2.0	n	11	ţı	11	ıt	It	
Cadmium	ND	0.50	II	Įį	4	Ħ	н	n	
WM-12 MBWC (CRF0997-13) V	Vater Sampled: 06/2	4/08 14:05 J	Received	: 06/25/08	08:00	•		_	
Aluminum	ND	20	μg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	P	11	H	D	II.	lt.	
Copper	3.8	2.0	D	11	tł	11	II	n	
Iron	ND	50	n	11	u	ti	н	II	
Zinc	3.4	.2.0	II .	1f	, n	¥ .	11	. n	
Cadmium	ND	0.50	ši	If	н	11	IF	. и	
WM-13 Nye Creek (CRF0997-14) Water Sampled: 0	6/24/08 14:15	Receiv	ed: 06/25/	08:00				
Aluminum	ND .	20	 μg/L	. 1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	lı	If	ţI	If	'lt	11	
Copper	ND	2.0	II	11	11	D	I ? .	II	
ron	ND	50	ti	0	4	n n	. "	н	
Zinc	ND	· 2.0	. "	11	ıt	n	11	D	
Cadmium	ND	0.50	Ħ	15	н ,	ا د	` 11	I)	
WM-17 NBWC (CRF0997-15) W	/ater Sampled: 06/2	4/08 14:30 I	Received:	06/25/08 (08:00			•	
Aluminum	ND	20	μg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	ł	11	It	ţī.	n	п	
Copper	ND	2.0	Ił	p .	11	11	11	ıt	
Iron	ND	50	17	17	11.	II	11	II .	
Zinc	ND	2.0	0	IJ	Ш	It	11	B	
Cadmium	ND	0.50		ii	łt	lt .	11	н	

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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: Jeff Huggins

CLS Work Order #: CRF0997

COC #: 74122, 94817

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 CR05228 - General Preparation										
Blank (CR05228-BLK1)				Prepared	& Analyz	ed: 06/25/	08			
Hexavalent Chromium	ND	10	μg/L	•						
lexavalent Chromium, Dissolved	ND	10	11							
LCS (CR05228-BS1)				Prepared	& Analyz	ed: 06/25/	08			
lexavalent Chromium	262	. 10	μg/L	250		105	85-115			
lexavalent Chromium, Dissolved	262	10 ,	а	250		105	80-120		•	
LCS Dup (CR05228-BSD1)				Prepared	& Analyz	ed: 06/25/	08	•		
lexavalent Chromium	263	10	μg/L	250		105	85-115	0.457	20	
lexavalent Chromium, Dissolved	263	10	n ,	250		105	80-120	0.457	20	
Watrix Spike (CR05228-MS1)	So	urce: CRF09	97-04	Prepared	& Analyz	ed: 06/25/	08			
lexavalent Chromium	256	10	μg/L	250	ND	102	85-115			
lexavalent Chromium, Dissolved	256	10	П	250	ND	102	80-120			
Matrix Spike Dup (CR05228-MSD1)	So	urce: CRF09	97-04	Prepared	& Analyz	ed: 06/25/	08			
lexavalent Chromium	271	10	μg/L,	250	ND	108	85-115	5.62	20	
lexavalent Chromium, Dissolved	271	10	ţĬ	250	ND	108	80-120	5.62	20	-
Batch CR05229 - General Preparation										
Blank (CR05229-BLK1)				Prepared	& Analyz	ed: 06/25/	′08			
Specific Conductance (EC)	ND	1.0	μmhos/cr							
Batch CR05243 - General Prep					<u> </u>					
Blank (CR05243-BLK1)				Prepared	l & Analyz	zed: 06/26/	/08			
Chloride	ND	0.50	mg/L							
Sulfate as SO4	ND	0.50	H							

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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: Jeff Huggins

CLS Work Order #: CRF0997

COC#: 74122, 94817

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 CR05243 - General Prep				•						
LCS (CR05243-BS1)				Prepared	& Analyza	d: 0 6/26/0	08			
Sulfate as SO4	4.94	0.50	mg/L	5.00		98.7	80-120			
Chloride	1.97	0.50	Ħ	2.00		98.7	80-120			
LCS Dup (CR05243-BSD1)				Prepared	& Analyze	ed: 06/26/0	08			
Sulfate as SO4	5.02	0.50	mg/L	5.00		100	80-120	1.67	20	
Chloride	2.01	0.50	lí	2.00		101	80-120	1.86	. 20	
Matrix Spike (CR05243-MS1)	So	urce: CRF09	9 7-01	Prepared	& Analyza	ed: 06/26/0	08		•	
Sulfate as SO4	5.17	0.50	mg/L	5.00	0.288	97:7	75-125			
Chloride	2.26	0.50	R	2.00	0.559	84.9	75-125			
Matrix Spike Dup (CR05243-MSD1)	So	urce: CRF09	97-01	Prepared	& Analyzo	ed: 06/26/0	08			
Chloride	2.28	0.50	mg/L	2.00	0.559	86.2	75-125	1.06	25	_
Sulfate as SO4	5.21	0.50	n	5.00	0.288	98.4	75-125	0.751	25	
Batch CR05253 - General Preparation					٠				•	
Blank (CR05253-BLK1)				Prepared	& Analyz	ed: 06/26/	08			
Methylene Blue Active Substances	ND -	0.10	mg/L				· · · · · · · · · · · · · · · · · · ·			
LCS (CR05253-BS1)				Prepared	& Analyza	ed: 06/26/0	08			
Methylene Blue Active Substances	0.445	0.10	mg/L	0.500	-	89.0	80-120			
LCS Dup (CR05253-BSD1)				Prepared	& Analyz	ed: 06/26/0	08			•
Methylene Blue Active Substances	0.461	0.10	mg/L	0.500		92.1	80-120	3.45	20	
and the second s			a -			1.00000				
Matrix Spike (CR05253-MS1)	So	urce: CRF09:	97-01	Prepared	& Analyz	ea: 06/26/1	08			

CA-DOHS-ELAP-Accreditation/Registration-Number 1233

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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: Jeff Huggins

CLS Work Order #: CRF0997

COC#: 74122, 94817

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 CR05253 - General Preparation										
Matrix Spike Dup (CR05253-MSD1)	So	urce: CRF09	97-01	Prepared	& Analyz	ed: 06/26/	 08			•
Methylene Blue Active Substances	0.482	0,10	mg/L	0.500	ND	96.4	75-125	4.04	25	<u> </u>
Batch CR05260 - General Preparation										
Blank (CR05260-BLK1)				Prepared:	06/26/08	Analyzed	: 06/27/08			
Total Dissolved Solids	ND	10	mg/L	<u> </u>						
Duplicate (CR05260-DUP1)	So	urce: CRF10	09-04	Prepared:	06/26/08	Analyzed	: 06/27/08			
Total Dissolved Solids	282	10	mg/L		285		00/2//00	1.06	20	
Batch CR05267 - General Preparation										
Blank (CR05267-BLK1)				Prepared	& Anaivze		 08			
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	11							
Carbonate as CaCO3	ND	5.0	ŧ	•						•
Hydroxide as CaCO3	ND	5.0	ti							•
Duplicate (CR05267-DUP1)	Son	rce: CRF09	97-01	. Prepared	& Analyz	ed: 06/26/0	08	•		•
Total Alkalinity	53.4	5.0	mg/L		54.0			1.12	20	
Bicarbonate as CaCO3	53.4	5.0			54.0			1.12	20	
Carbonate as CaCO3	ND	5.0	IF.	•	ND			*****	20	
Hydroxide as CaCO3	ND	5.0	If		ND		,		20	
Batch CR05610 - 6010A/No Digestion		_			•					
Blank (CR05610-BLK1)				Prepared	& Analyze	ed: 07/10/0	08			
Calcium	ND	1.0	mg/L	-				-		-
Magnesium	ND	1.0	ħ							
Potassium	ND	1.0	11						_	
Sodium	ND	1,0	Iŧ							
Hardness as CaCO3	ND	1.0	13							

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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: Jeff Huggins

CLS Work Order #: CRF0997

COC #: 74122, 94817

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 CR05610 - 6010A/No Digestion										
LCS (CR05610-BS1)				Prepared	& Analyz	ed: 07 /10/	08			
Calcium	11.0	1.0	mg/L	10.0	-	110	80-120			
Magnesium	10.6	1.0	11	10.0		106	80-120			
Potassium	11.0	1.0	11	10.0		110	80-120			
Sodium	10.6	1.0	, A	10.0		106	80-120			
LCS Dup (CR05610-BSD1)				Prepared	& Analyze	ed: 07/10/	08			
Calcium	11.6	1.0	mg/L	10.0	-	116	80-120	4.78	20	
Magnesium	11.1	1.0	11	10.0		111	80-120	4.61	20	
Potassium	11,5	1.0	11	10.0		115	80-120	4.46	20	
Sodium	11.0	1.0	н	10.0		110	80-120	3.99	20	
Matrix Spike (CR05610-MS1)	Son	urce: CRF09	97-01	Prepared	& Analyze	ed: 07/10/	08			
Calcium	23.2	1.0	mg/L	10.0	12.3	110	75-125			
Magnesium	15.2	1.0	н	10.0	4.67	105	75-125			ز
Potassium	12.1	1.0	ir	10.0	1.18	109	75-125			
Sodium	14.1	1.0	ir	10.0	3.73	104	75-125			
Matrix Spike Dup (CR05610-MSD1)	Sou	irce: CRF09	97-01	Prepared	& Analyze	d: 07/10/	08			
Calcium .	23.1	1.0	mg/L	10.0	12.3	108	75-125	0.562	25	
Magnesium	15.3	1.0	н	10.0	4.67	106	75-125	0.656	25	
Potassium	12.4	1.0	n	10.0	1.18	112	75-125	2.54	25	
Sodium	14.4	1.0	11	10.0	3.73	106	75-125	1.68	25	

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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: Jeff Huggins CLS Work Order #: CRF0997

COC#: 74122, 94817

Metals by EPA 200 Series Methods - Quality Control

Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
A TPS			Prepared:	06/26/08	Arialyzed	: 06/27/08			
ND	. 20	μg/L							-
ND	2.0	11							
ND	1.0	11					•		
ND	50	ŧI							
ND	2.0	711							
ND	0.50	ļi.					4.	•	
			Prepared:	06/26/08	Analyzed	: 06/27/08			
97.0	20	μg/L	100		97.0	80-120		•	
92.0	2.0	11	100		92.0	80-120			
104	1.0	11	100		104	80-120			•
91.5	50	11	100		91.5	80-120			
105	2.0	Ħ	100		105	80-120			
10.2	0.50	U	10.0		102	80-120			
			Prepared:	06/26/08	Analyzed	: 06/27/08			
93.9	20	μg/L	100	,	93.9	80-120	3.21	20	
92.7	2.0	IT	100		92.7	80-120	0.791	20	
94.9	1.0	H,	100		94.9	80-120	9.40	20	
74.8	50	ŋ	100		74.8	80-120	20.1	20	QM-
95.3	2.0	11	100		95.3	80-120	9.41	20	•
9.61	0.50	11	10.0		96.1	80-120	6.25	20	
Sou	rce: CRF09	97-15	Prepared:	06/26/08	Analyzed	: 06/27/08			
100	20	μg/L	100	ND	100	75-125			_
104	2.0	11	100	ND	104	75-125			
98.4	1.0	u	100	0.510	97.9	75-125	•		
80.6	50	п	100	ND	80.6	75-125			
103	2.0	11	100	1.34	102	75-125			
10.6	0.50	'n	10.0	ND	106	75-125	•		
	ND ND ND 97.0 92.0 104 91.5 105 10.2 93.9 92.7 94.9 74.8 95.3 9.61 Sou 100 104 98.4 80.6 103	ND 1.0 ND 50 ND 2.0 ND 0.50 97.0 20 92.0 2.0 104 1.0 91.5 50 105 2.0 10.2 0.50 93.9 20 92.7 2.0 94.9 1.0 74.8 50 95.3 2.0 9.61 0.50 Source: CRF09 100 20 104 2.0 98.4 1.0 80.6 50 103 2.0	ND 1.0 " ND 50 " ND 2.0 " ND 0.50 " 97.0 20 μg/L 92.0 2.0 " 104 1.0 " 91.5 50 " 105 2.0 " 10.2 0.50 " 93.9 20 μg/L 92.7 2.0 " 94.9 1.0 " 74.8 50 " 95.3 2.0 " 96.1 0.50 " Source: CRF0997-15 100 20 μg/L 104 2.0 " 98.4 1.0 " 80.6 50 "	ND 1.0 " ND 50 " ND 2.0 " ND 0.50 " Prepared: 97.0 20 μg/L 100 92.0 2.0 " 100 104 1.0 " 100 91.5 50 " 100 105 2.0 " 100 10.2 0.50 " 10.0 Prepared: 93.9 20 μg/L 100 92.7 2.0 " 100 94.9 1.0 " 100 94.9 1.0 " 100 74.8 50 " 100 95.3 2.0 " 100 96.1 0.50 " 10.0 Source: CRF0997-15 Prepared: 100 20 μg/L 100 98.4 1.0 " 100 98.4 1.0 " 100 98.4 1.0 " 100 80.6 50 " 100	ND 1.0 " ND 50 " ND 2.0 " ND 0.50 " Prepared: 06/26/08 97.0 20 μg/L 100 92.0 2.0 " 100 104 1.0 " 100 91.5 50 " 100 105 2.0 " 100 10.2 0.50 " 10.0 Prepared: 06/26/08 93.9 20 μg/L 100 92.7 2.0 " 100 94.9 1.0 " 100 94.9 1.0 " 100 74.8 50 " 100 95.3 2.0 " 100 95.3 2.0 " 100 961 0.50 " 10.0 Source: CRF0997-15 Prepared: 06/26/08 100 20 μg/L 100 ND 104 2.0 " 100 ND 98.4 1.0 " 100 ND 98.4 1.0 " 100 ND 103 2.0 " 100 ND	ND 1.0 " ND 50 " ND 2.0 " ND 0.50 " Prepared: 06/26/08 Analyzed 97.0 20 μg/L 100 97.0 92.0 104 1.0 " 100 104 91.5 50 " 100 91.5 105 2.0 " 100 105 10.2 0.50 " 10.0 102 Prepared: 06/26/08 Analyzed 93.9 20 μg/L 100 93.9 92.7 2.0 " 100 92.7 94.9 1.0 " 100 94.9 74.8 50 " 100 94.9 74.8 50 " 100 94.9 74.8 50 " 100 94.9 74.8 50 " 100 95.3 9.61 0.50 " 10.0 95.3 9.61 0.50 " 10.0 96.1 Prepared: 06/26/08 Analyzed 100 20 μg/L 100 ND 100 104 98.4 1.0 " 100 ND 104 98.4 1.0 " 100 ND 104 98.4 1.0 " 100 ND 104 98.6 50 " 100 ND 80.6 103 2.0 " 100 ND 80.6 100 ND 80.6 100 ND 80.6 100 ND 80.6 100 ND 80.6 100 ND 80.6 100 ND 80.6	ND 1.0 " ND 50 " ND 2.0 " ND 0.50 " Prepared: 06/26/08 Analyzed: 06/27/08 97.0 20 μg/L 100 97.0 80-120 92.0 2.0 " 100 92.0 80-120 104 1.0 " 100 104 80-120 91.5 50 " 100 91.5 80-120 105 2.0 " 100 105 80-120 102 80-120 102 0.50 " 10.0 102 80-120 Prepared: 06/26/08 Analyzed: 06/27/08 93.9 20 μg/L 100 93.9 80-120 92.7 2.0 " 100 93.9 80-120 94.9 1.0 " 100 92.7 80-120 94.9 1.0 " 100 94.9 80-120 94.9 1.0 " 100 94.9 80-120 95.3 2.0 " 100 94.9 80-120 95.3 2.0 " 100 95.3 80-120 95.3 2.0 " 100 95.3 80-120 96.1 0.50 " 10.0 96.1 80-120 Source: CRF0997-15 Prepared: 06/26/08 Analyzed: 06/27/08 100 20 μg/L 100 ND 100 75-125 104 2.0 " 100 ND 104 75-125 98.4 1.0 " 100 ND 104 75-125 80.6 50 " 100 ND 80.6 75-125 103 2.0 " 100 ND 80.6 75-125	ND 1.0 " ND 50 " ND 2.0 " ND 0.50 " Prepared: 06/26/08 Analyzed: 06/27/08 97.0 20 μg/L 100 97.0 80-120 92.0 2.0 " 100 92.0 80-120 104 1.0 " 100 104 80-120 91.5 50 " 100 91.5 80-120 105 2.0 " 100 105 80-120 102 0.50 " 10.0 105 80-120 Prepared: 06/26/08 Analyzed: 06/27/08 93.9 20 μg/L 100 93.9 80-120 3.21 92.7 2.0 " 100 92.7 80-120 0.791 94.9 1.0 " 100 94.9 80-120 9.40 74.8 50 " 100 94.9 80-120 20.1 95.3 2.0 " 100 95.3 80-120 20.1 95.3 2.0 " 100 95.3 80-120 9.41 9.61 0.50 " 10.0 96.1 80-120 6.25 Source: CRF0997-15 Prepared: 06/26/08 Analyzed: 06/27/08 100 20 μg/L 100 ND 100 75-125 104 2.0 " 100 ND 100 75-125 98.4 1.0 " 100 ND 104 75-125 98.4 1.0 " 100 ND 104 75-125 98.4 1.0 " 100 ND 104 75-125 80.6 50 " 100 ND 80.6 75-125 103 2.0 " 100 ND 80.6 75-125	ND 1.0 " ND 50 " ND 2.0 " ND 0.50 " Prepared: 06/26/08 Analyzed: 06/27/08 97.0 20 μg/L 100 97.0 80-120 92.0 2.0 " 100 92.0 80-120 104 1.0 " 100 91.5 80-120 105 2.0 " 100 105 80-120 10.2 0.50 " 10.0 102 80-120 Prepared: 06/26/08 Analyzed: 06/27/08 93.9 20 μg/L 100 93.9 80-120 3.21 20 92.7 2.0 " 100 93.9 80-120 0.791 20 94.9 1.0 " 100 92.7 80-120 0.791 20 94.9 1.0 " 100 94.9 80-120 9.40 20 74.8 50 " 100 94.9 80-120 9.40 20 74.8 50 " 100 95.3 80-120 20.1 20 95.3 2.0 " 100 95.3 80-120 9.41 20 96.1 0.50 " 10.0 96.1 80-120 6.25 20 Source: CRF0997-15 Prepared: 06/26/08 Analyzed: 06/27/08 100 20 μg/L 100 ND 100 75-125 104 2.0 " 100 ND 104 75-125 98.4 1.0 " 100 ND 104 75-125 98.4 1.0 " 100 ND 104 75-125 80.6 50 " 100 ND 80.6 75-125 103 2.0 " 100 ND 80.6 75-125

07/11/08 09:08

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order #: CRF0997

COC #: 74122, 94817

Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RP D	RP D Limit	Notes
Batch CR05266 - EPA 3020A										-
Matrix Spike Dup (CR05266-MSD1)	Sou	rce: CRF09	97-15	Prepared:	06/26/08	Analyzed	: 06/27/08			
Aluminum	104	20	μg/L	100	ND	104	75-125	4.32	25	
Arsenic	108	2.0	u .	100	ND	108	75-125	4.01	25	~
Copper	100	1.0	at.	100	0.510	99.8	75-125	1.95	25	
Iron	. 85.8	50	et .	100	ND	85.8	75-125	6.23	25	
Zinc	104	2.0	41	100	1.34	102	75-125	0.367	25	
Cadmium	10.9	0.50	11:	10.0	ND	109	75-125	3.06	25	

07/11/08 09:08

CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: [none] Project Manager: Jeff Huggins

CLS Work Order #: CRF0997

COC #: 74122, 94817

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 CR05293 - EPA 3020A	. <u>.</u>										
Blank (CR05293-BLK1)					Prepared:	06/27/08	Analyzed	l: 06/30/08			
Aluminum		ND	20	μg/L						.	
Arsenic ·		ND	. 5.0	#1				•		•	
Copper		ND.	2.0	. 41							
Iron		ND	50	- 11							•
Zinc	*	ND	2.0	•							
Cadmium		ND	0.50	3 1							
LCS (CR05293-BS1)					Prepared:	06/27/08	Analyzed	l: 06/30/08			
Aluminum		96.4	20	μg/L	100		96.4	80-120			-
Arsenic		110	5.0	и	100		110	80-120			
Copper		111	2.0	II.	100		111	80-120			
Iron		105	50	II.	100	·	105	80-120			
Zino		113	2.0	II.	100		113	80-120			,
Cadmium		10.5	0.50	, IT	10.0		105	80-120			
LCS Dup (CR05293-BSD1)			•		Prepared:	06/27/08	Analyzed	1: 06/30/08			
Aluminum		89.3	20	μg/L	100		89.3	80-120	7.57	20	The Walter
Arsenic		. 105	5,0	H	100		105	80-120	4.47	20	
Copper		107	2.0	**	100		107	80- 120	3.61	20	
Iron		100	- 50	31	100		.100	80-120	4.54	20	
Zinc		107	2.0	31	100		107	80-120	5.08	20	
Cadmium		10.5	0.50	п	10.0	•	105	80-120	0.0949	20	
Matrix Spike (CR05293-MS1)		Son	urce: CRF10	88-01	Prepared	: 06/27/08	Analyzed	1: 06/30/08			
Aluminum	-	190	20	μg/L	100	97.2	92.8	75-125			
Arsenic	. •	111	5.0	R	100	ND	111	75-125			
Copper ~		123	2.0	14	100	16.1	107	75-12 [′] 5			
Iron		1820	50	n	100	1760	55.8	7,5-12 5			QM-4X
Zinc		127	2.0	n	100	19.3	108	75 -125			-
Cadmium	•	10.6	0.50	Ü	10.0	ND	106	75-125			

07/11/08 09:08

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order #: CRF0997

COC #: 74122, 94817

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 CR05293 - EPA 3020A	,			<u> </u>						ř
Matrix Spike Dup (CR05293-MSD1)	Sour	ce: CRF10	88-01	Prepared:	06/27/08	Analyzed:	06/30/08			
Aluminum	185	20	μg/L	100	97.2	88.2	75-125	2.49	. 25	
Arsenic ·	108	5.0	Ц	100	ND	108	75-125	2.92	25	
Copper	123	2.0	u	100	16.1	107	75-125	0.212	25	
Iron	1830	50	'n	100	1760	65.4	75-125	0.524	25	QM-43
Zinc	126	2.0	n	100	19.3	106	75-125	1.37	25	
Cadmium	10.6	0.50	ij	10.0	ND	106	75-125	0.567	25	

07/11/08 09:08

CRWOCB - Sacramento

Project: Walker Mine

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order #: CRF0997

COC #: 74122, 94817

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.

The spike recovery was outside acceptance limits for the LCS or LCSD. The batch was accepted based on acceptable MS/MSD QM-1 recoveries & RPD's.

HT-F This is a field test method and it is performed in the lab outside holding time.

DET Analyte DETECTED

Analyte NOT DETECTED at or above the reporting limit ND

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

3249 Fitzgerald Road Rancho Cordova CA 95742

November 21, 2008

CLS Work Order #: CRK0319 COC #: 94810,13

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 11-10-08 09:40. 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

C4-.0001-0.0057PM 2 70 - 0.000 pm Al - 0.020 pm SPECIAL INSTRUCTIONS LOG NO. 94810 Fe - 0.050 mm 9 A5-0.005 pm Notes this is one bottle only PRINT NAME / COMPANY ≅ 8 YES of Lower סיוניים()מי ALT. People INVOICE TO: QUOTE # # 02 # 02 GEOTRACKER: **EDF REPORT** ΛVQ Sitz F TURN AROUND TIME. GLOBAL ID: FIELD CONDITIONS: 5 YAQ がんので CONDITIONS / COMMENTS: CLS ID No.; CRK 0319 AIR BILL# (3) = COLD (4) = NaOH COMPOSITE S YAG RECEIVED BY (SIGN) t YAG んつごかずるく ANALYSIS REQUESTED (1) HCL (2) HNO₃ TERS HUGGINS/RUDGEB 11-7-00/2100HRS 2008 DATE / TIME (5) OTHER CLS (916) 638-7301 3249 FIZGERALD RD. RANCHO CORDOVA, CA. 95742 CHAIN OF CUSTODY DESTINATION LABORATORY Sample for Fall CLIENT JOB NUMBER ö PRINT NAME / COMPANY OTHER DATS/TIME: Water MATRIX UPS Browns Cabin C. Color Je J about D ton ら Water Book Water Quality Maring Lation IDENTIFICATION SAMPLE -48" eticia Valadez 4000 MATICA Velley Regional REPORT TO: FEDX MMTC WM-19 RELINQUISHED BY (SIGN) いーズラ WM-R WM-Z NIT-13 0925 WM-2 1-1-1M 17:22 hd W/W-C 6-1/JM |-WM DAT HURSINS SON Z STELOCATION VILMES PROJECT NAME NOULE 30000 PROJECT MANAGER TEFF CLS - Labs SUSPECTED CONSTITUENTS 865 1045 01-7-68 08-10 6650 1135 SHIPPED BY: NAME AND ADDRESS SAMPLED BY TECTO AT LAB BY: 82-1-1 DATE

K

detection innot Sectioner 14- 0.00-0-005 PPM <u>8</u> Place we the following LOG NO. 94813 SPECIAL INSTRUCTIONS Fn-0.002 Pm F-0,050 PM A1-0,02007m AS-0.005ppm : E PRINT NAME / COMPANY 뜽 YES ALT. INVOICE TO: QUOTE# PO. # GEOTRACKER **EDF REPORT** YAG TURN AROUND TIME GLOBAL ID: FIELD CONDITIONS: S YAG CONDITIONS / COMMENTS: AIR BILL# CLS ID No.; CR KOZIA (3) = COLD (4) = NaOH COMPOSITE S YAG RECEIVED BY (SIGN) t YAG ANALYSIS REQUESTED (1) HCL (2) HNO₃ 2100 HR PRESERVATIVES: 06:6 DATE / TIME かったの Hogins/RWACB 11-7-081 OTHER CHAIN OF CUSTODY CLS (916) 638-7301 3249 FITZGERALD RD. RANCHO CORDOVA, CA. 95742 TYPE DESTINATION LABORATORY 3-01-CONTAINER CLIENT JOB NUMBER 9 1000 DO PRINT NAME / COMPANY OTHER DATE / TIME Water V Water cut les Wite Water reel wher MATRIX UPS OM " TY PHONE# 4-4639 Montheras aller Regional Worke Boarc NEW RYOWM-12-MBWC 92720 1350 WM-13-Nyer SAMPLE DENTIFICATION NAME AND ADDRESS RETICIA VOLLA LOCA Ī 16 AL-YN WM-17 REPORT TO: FEDX 1330 WM-11 RELINQUISHED BY (SIGN) WM-1230 WM-Son OFF HURGIE cidesta er Mine SITE LOCATION) | LANCES CLS - Labs SUSPECTED CONSTITUENTS 0161 1460 1205 TIME SHIPPED BY: JOB DESCRIPTION REC'D AT LAB BY: Rankho 30-1-11 DATE

TAB

11-21-08 08:03

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

Project Number: PCA 13180 Project Manager: Jeff Huggins CLS Work Order #: CRK0319

COC #: 94810.13

Analyte	Result	Reporting Limit	Units	Dilution	a Batch	Prepared	Analyzed	Method	Notes
WM-1 Portal (CRK0319-01) Water	Sampled: 11-07-0	8 09:15 R	eceived: 11	-10-08 0	9:40				
Total Alkalinity	64	5.0	ıng/L	1	CR09496	11-11-08	11-11-08	SM2310B	
Bicarbonate as CaCO3	64	5.0	0	Iŧ	В	И	ĮĮ.		
Carbonate as CaCO3	ND	5.0	0	В	II	п	11	п,	
Hydroxide as CaCO3	ND	5.0	ti .	n	Ð	II	P	и .	
Chloride	0.65	0.50	11	n	CR09470	11-11-08	11-11-08	EPA 300.0	
Specific Conductance (EC)	110	. 1.0	μmhos/cm	D	CR09457	11-10-08	11-10-08	EPA 120.1	
Hexavalent Chromium	ND	10	μg/Ľ	u	CR09454	11-10-08	11-10-08	EPA 7196A	HT-1
Hexavalent Chromium, Dissolved	ND	10	и.	n	tt	ri	н	h	HT-1
Methylene Blue Active Substances	ND	0.10	mg/L	Ħ	CR09493	11-11-08	11-11-08	SM5540 C	HT-1
Calcium	11	1.0	ìr	77	CR09505	11-11-08	11-12-08	200.7/2340B	
Magnesium	4.6	1.0)r	11	ŧI	ti	11	n	
Potassium	ND	1.0	IF	T t	ţi.	Ħ	. 4	n	
Sodium	5.3	1.0	ıt	11	a	. и	. "	tl	
Hardness as CaCO3	46	1.0	16	tt	ii	D	ĮI	ti .	
Hq	7.51	0.01	pH Units	16	CR09453	11-10-08	11-10-08	SM4500-H B	HT-F
Sulfate as SO4	1.1	0.50	mg/L	B	CR09470	11-11-08	11-11-08	EPA 300.0	
Total Dissolved Solids	86	10	u	u	CR09491	11-11-08	11-13-08	SM2540C	
WM-5 LGC/U/S (CRK0319-02) Wate	r Sampled: 11-0	7-08 08:40	Received	: 11-10-0	8 09:40		i		
Total Alkalinity	. 56	5.0	mg/L	1	CR09496	11-11-08	11-11-08	SM2310B	
Bicarbonate as CaCO3	56	5.0	17	н	n	Ħ	11	19	
Carbonate as CaCO3	ND	5.0	n	10	ti)I	ţI	ij	
Hydroxide as CaCO3	ND	5.0	u	ti	te	. 0	Ħ	ţ1	
Chloride	2.3	0.50	ţI		CR09470	11-11-08	11-11-08	EPA 300.0	
Specific Conductance (EC)	120	1.0	μmhos/cm	u	CR09457	11-10-08	11-10-08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	. "	CR09493	11-11-08	11-11-08	SM5540 C	HT-1
Calcium	11	. 1.0	11	п	CR09505	11-11-08	11-12-08	200.7/2340B	
Magnesium	5.3	1.0	10	Ħ	ìr	· n	11	lı	-
Potassium	1.8	1.0	n n	ıt	υ .	11	it :	и	
Sodium	4.2	1.0	u	11	п	. 11	p	t;	
Hardness as CaCO3	49	1.0	, 11	Ŋ	η .	tt	it	n	
pH	7.28	0.01	pH Units	11	CR09453	11-10-08	11-10-08	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	Л	CR09470	11-11-08	11-11-08	EPA 300,0	^

11-21-08 08:03

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Jeff Huggins

CLS Work Order #: CRK0319

COC #: 94810,13

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	M ethod	Notes
WM-5 LGC/U/S (CRK0319-02) Water							,		110100
Total Dissolved Solids	. 92	10	mg/L		CR09491	11-11-08	11-13-08	SM2540C	
	Sampled: 11-07					11-11-00	11-13-00		
	- :		*** *					0) (0) (0)	•
Total Alkalinity	59	5.0	mg/L "	. 1	CR09496	11-11-08	11-11-08	SM2310B	
Bicarbonate as CaCO3	59	5.0 5.0	." H	"	 11	.,	"		
Carbonate as CaCO3	ND ND	5.0	r It	,ii	 11	n		a a	
Hydroxide as CaCO3 Chloride		0.50	11	71	CD 00 450		11 11 00	TDA 200 0	
	1.1				CR09470	11-11-08	11-11-08	EPA 300.0	
Specific Conductance (EC)	130 ND		μmhos/cm	"	CR09457	11-10-08	11-10-08	EPA 120.1	TTT 1
Methylene Blue Active Substances		0.10	mg/L	,,	CR09493	11-11-08	11-11-08	SM5540 C	HT-1
Calcium	14	1.0	"	. "	CR09505	11-11-08	11-12-08	200.7/2340B	
Magnesium	7.0	1.0	" It	. "	"	u u	"		
Potassium	1.2	1.0				R R	11		
Sodium	3.5	1.0	11	11	"	ıı			
Hardness as CaCO3	63	1.0	11	ti	- 11	-	ti		
pH	7.56	0.01		ţI	CR09453	11-10-08	11-10-08	SM4500-HB	HT-F
Sulfate as SO4	5.0	0.50	mg/L	H	CR09470	11-11-08	11-11-08	EPA 300.0	
Total Dissolved Solids	97	10	11	11	CR09491	11-11-08	11-13-08	SM2540C	
WM-2 DC-U/S (CRK0319-04) Water	Sampled: 11-07	-08 09:25	Received:	11-10-08	09:40				
Total Alkalinity	73	5.0	mg/L	1	CR09496	11-11-08	11-11-08	SM2310B	
Bicarbonate as CaCO3	73	5.0	н	Iŧ	8 .	H-	Ü	le ·	
Carbonate as CaCO3	ND	5.0	Ħ	н	Ħ	It	п	ly .	
Hydroxide as CaCO3	ND	5.0	n	IJ	#1	If	'n	į4	
Chloride	0.79	0.50	If	ti	CR09470	11-11-08	11-11-08	EPA 300.0	
Specific Conductance (EC)	. 140	1.0	µmhos/cm	ð	CR09457	11-10-08	11-10-08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	11	CR09493	11-11-08	11-11-08	SM5540 C	HT-1
Calcium	14	1.0	. It	ti	CR09505	1111-08	11-12-08	200.7/2340B	
Magnesium	7.9	1.0	If	Ħ	И	. 0	u	11	
Potassium	1.1	1.0		it	If	11	· u	11	
Sodium	3.1	1.0	u	11	ıı	p ·	n	71	
Hardness as CaCO3	68	1.0	u·	ir	If	II	11	ħ	
pH	7.68	0.01	pH Units	ır	CR09453	11-10-08	11-10-08	SM4500-H B	HT-F
Sulfate as SO4	· ND	0,50	mg/L	11	CR09470	11-11-08	. 11-11-08	EPA 300.0	

11-21-08 08:03

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Jeff Huggins

CLS Work Order #: CRK0319

COC #: 94810,13

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-2 DC-U/S (CRK0319-04) Water	Sampled: 11-07	-08 09:25	Received:	11-10-08	09:40				
Total Dissolved Solids	110	10	mg/L	1	CR09491	11-11-08	11-13-08	SM2540C	
WM-19 Pond (CRK0319-05) Water	Sampled: 11-07-0)8 10:45 R	eceived: 13	(-10-08 0:	9:40				
Total Alkalinity	29	5.0	mg/L	1	CR09496	11-11-08	11-11-08	SM2310B	
Bicarbonate as CaCO3	29	5.0	11	. 4	ħ	n	*	я	
Carbonate as CaCO3	ND	5.0	11	- 0	II	11	υ.	**	
Hydroxide as CaCO3	· ND	5.0	11	ti	u	11	h	11	
Chloride	0.76	0.50	11	Ħ	CR09470	11-11-08	11-11-08	EPA 300.0	
Specific Conductance (EC)	200	1.0	μmhos/cm	, H	CR09457	11-10-08	11-10-08	EPA 120.1	
Methylene Blue Active Substances	ND	·0.10	mg/L .	Ħ	CR09493	11-11-08	11-11-08	SM5540 C	HT-1
Calcium	23	1.0	14		CR09505	11-11-08	11-12-08	200.7/2340B	•
Magnesium	5.9	1.0	19		II.	n	lt*	¥ .	
Potassium	2.7	1.0	IT	. " 19	IF	ft.	ir .	II.	
Sodium	7.0	1.0	ıt	r	· n	ıı	11	ir -	
Hardness as CaCO3	82	1.0	n	. 11	n	lt	II	tt.	
pН	7.19	0.01	pH Units	ų	CR09453	11-10-08	11-10-08	SM4500-H B	HT-F
Sulfate as SO4	69	2.5	mg/L	. 5	CR09470	11-11-08	11-12-08	EPA 300.0	
Total Dissolved Solids	160	10	11	1	CR09491	11-11-08	11-13-08	SM2540C	
WM-4 48" Culvert (CRK0319-06) W:	ater Sampled: 1	1-07-08 11:0	00 Receiv	ed: 11-10	-08 09:40				
Total Alkalinity	61	. 5.0	mg/L	1	CR09496	11-11-08	11-11-08	SM2310B	
Bicarbonate as CaCO3	61	5.0	n	11	17	Ħ	11	și și	
Carbonate as CaCO3	ND	5.0	lt	11	۳	, и	. 11	1f	
Hydroxide as CaCO3	ND	5.0	n .		19	W	ŧı	le .	
Chloride	1.1	0.50	4	u	CR09470	11-11-08	11-11-08	EPA 300.0	
Specific Conductance (EC)	130	1.0	μ m hos/cm	ŗi	CR09457	11-10-08	11-10-08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	71	CR09493	11-11-08	11-11-08	SM5540 C	HT-1
Calcium	13	1.0	N	и.	CR09505	11-11-08	11-12-08	200.7/2340B	
Magnesium	6.9	1.0	Ħ	19		!!	н	11	
Potassium	1.2	1.0	В	10		, If	n	n .	
Sodium	3.6	1.0	u	Ħ	Ħ	٠	, n	li .	
Hardness as CaCO3	60	1.0	a	n	Ħ	11	U	H	
pН	7.69	0.01	pH Units	. ,	CR09453	11-10-08	11-10-08	SM4500-H B	HT-F
Sulfate as SO4	5.0	0.50	mg/L	¹¹ .	CR09470	11-11-08	11-11-08	EPA 300.0	

11-21-08 08:03

CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Jeff Huggins

CLS Work Order #: CRK0319

COC#: 94810,13

Calcium 16 1.0 " " CR09505 11-11-08 11-12-08 2007/2340B Magnesium 5.6 1.0 "	Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-9 Browns Cabin (CRK0319-07) Water Sampled: 11-07-08 11:20 Received: 11-10-08 09:40 Total Alkalinity 61 5.0 mg/L 1 CR09496 11-11-08 11-11-08 SM2310B Bicarbonate as CaCO3 ND 5.0 "	WM-4 48" Culvert (CRK0319-06) Water	Sampled: 1	1-07-08 11:0	00 Receiv	ed: 11-10	-08 09:40	_			
Total Alkalinity	Total Dissolved Solids	100	10	mg/L	1	CR09491	11-11-08	11-13-08	SM2540C	
Bicarbonate as CaCO3	WM-9 Browns Cabin (CRK0319-07) Wat	er Sampled	: 11-07-08 1	1:20 Rec	eived: 11	-10-08 09:4	0		•	
Second case CacCo	Total Alkalinity	61	5.0	mg/L	1	CR09496	11-11-08	11-11-08	SM2310B	
Hydroxide as CaCO3 ND 5.0 """" CR09470 11-11-08 I1-11-08 EPA 300.0 Chloride 1.1 0.50 """ CR09470 11-11-08 I1-11-08 EPA 300.0 Specific Conductance (EC) 140 1.0 µmhos/om "CR09437 11-11-08 I1-11-08 EPA 120.1 Methylene Blue Active Substances ND 0.10 mg/L "CR09437 11-11-08 11-11-08 SM5540 C Calcium 16 1.0 """ CR09493 11-11-08 11-11-08 SM5540 C Potassium 5.6 1.0 """ "" CR09505 11-11-08 11-12-08 200.7/2340B Magnesium 4.7 1.0 """ "" "" "" "" "" "" "" "" "" "" "" ""	Bicarbonate as CaCO3	61	5.0	H	11	H .	Ü	11	11	
Second S	Carbonate as CaCO3	ND	5.0	H	11	It	Ü	ď	e	
Specific Conductance (EC)	Hydroxide as CaCO3	ND	5.0	11	IL	II	0	. 11	lt .	
Methylene Blue Active Substances ND 0.10 mg/L " CR09493 11-11-08 11-11-08 SM5540 C Calcium 16 1.0 " " CR09505 11-11-08 11-12-08 200.7/2340B Magnesium 5.6 1.0 " " " " " " " " " " " " " " " " " " "	Chloride	1.1	0.50	, M	11	CR09470	11-11-08	11-11-08	EPA 300.0	
Calcium 16 1.0 " " CR09505 11-11-08 11-12-08 200.7/2340B Magnesium 5.6 1.0 "	Specific Conductance (EC)	140	1.0	μmhos/cm	i,	CR09457	11-10-08	11-10-08	EPA 120.1	
Magnesium 5.6 1.0 "	Methylene Blue Active Substances	ND	0.10	mg/L	II	CR09493	11-11-08	11-11-08	SM5540 C	HT-1
Potassium 2.0 1.0 " " " " " " " " "	Calcium	16	1.0	it	IJ	CR09505	11-11-08	11-12-08	200.7/2340B	
Sodium	Magnesium	5.6	1.0	n	11	0	11	It	0	•
Hardness as CaCO3 63 1.0 " " CR09453 11-10-08 I1-10-08 SM4500-H B Sulfate as SO4 12 0.50 mg/L " CR09470 11-11-08 I1-11-08 EPA 300.0 Total Dissolved Solids 110 10 " " CR09491 11-11-08 I1-11-08 SM2540C WM-8 LGC Below DC (CRK0319-08) Water Sampled: 11-07-08 11:35 Received: 11-10-08 09:40 Total Alkalinity 62 5.0 mg/L 1 CR09496 11-11-08 11-11-08 SM2310B Bicarbonate as CaCO3 62 5.0 " " " " " " " " " " " " " " " " " " "	Potassium	2.0	1.0	n	μ	e e	11	H .	. 0	
pH 7.76 0.01 pH Units " CR09453 11-10-08 SM4500-H B Sulfate as SO4 12 0.50 mg/L " CR09470 11-11-08 11-10-08 SM4500-H B Sulfate as SO4 110 10 " " CR09491 11-11-08 11-10-08 SM2540C WM-8 LGC Below DC (CRK0319-08) Water Sampled: 11-07-08 11:35 Received: 11-10-08 09:40 Total Alkalinity 62 5.0 mg/L 1 CR09496 11-11-08 11-10-08 SM2310B Bicarbonate as CaCO3 62 5.0 " " " " " " " " " " " " " " " " " " "	Sodium	4.7	1.0	11	19	11	11	10	13	•
Sulfate as SO4	Hardness as CaCO3	63	1.0	n	19	,	1(IÌ	11	
Sulfate as SO4	•	7.76	0.01	pH Units	н	CR09453	11-10-08	11-10-08	SM4500-H B	HT-F
Total Dissolved Solids 110 10 " " CR09491 11-11-08 11-3-08 SM2540C WM-8 LGC Below DC (CRK0319-08) Water Sampled: 11-07-08 11:35 Received: 11-10-08 09:40 Total Alkalinity 62 5.0 mg/L 1 CR09496 11-11-08 11-11-08 SM2310B Bicarbonate as CaCO3 62 5.0 " " " " " " " " " " " " " " " " " " "	Sulfate as SO4	12	0.50	, -	n ,	CR09470	11-11-08	11-11-08	EPA 300.0	
Total Alkalinity 62 5.0 mg/L 1 CR09496 11-11-08 11-11-08 SM2310B Bicarbonate as CaCO3 62 5.0 " " " " " " " " " " " " " " " " " " "	Total Dissolved Solids	•		-	11	CR09491	11-11-08	11-13-08	SM2540C	
Bicarbonate as CaCO3	WM-8 LGC Below DC (CRK0319-08) W	ater Sample	d: 11-07-08	11:35 Re	ceived: 1	1-10-08 09:	:40			
Carbonate as CaCO3 ND 5.0 " " " " " " " " " " " " " " " " " " "	Total Alkalinity	62	5.0	mg/L	1	CR09496	11-11-08	11-11-08	SM2310B	
Carbonate as CaCO3 ND 5.0 " <td>Bicarbonate as CaCO3</td> <td>62</td> <td>5.0</td> <td>11</td> <td>If</td> <td>н</td> <td>D</td> <td>р</td> <td>#</td> <td></td>	Bicarbonate as CaCO3	62	5.0	11	If	н	D	р	#	
Algorithms as CaCO3 IAD 3.0 Chloride 1.1 0.50 " CR09470 11-11-08 11-11-08 EPA 300.0 Specific Conductance (EC) 150 1.0 μmhos/cm " CR09457 11-10-08 11-10-08 EPA 120.1 Methylene Blue Active Substances ND 0.10 mg/L " CR09493 11-11-08 11-11-08 SM5540 C Calcium 15 1.0 " " CR09505 11-11-08 11-12-08 200.7/2340B Magnesium 5.8 1.0 " " " " " " " " " " " " " Potassium 2.2 1.0 " " " " " " " " " " " Sodium 4.5 1.0 " " " " " " " " " " " " " Hardness as CaCO3 62 1.0 " " " " " " " " " " " " " " " " pH 7.67 0.01 pH Units " CR09453 11-10-08 11-10-08 SM4500-H B	Carbonate as CaCO3	ND	5.0	, It	11	. #	()	H	*1	
Chloride 1.1 0.50 " CR09470 11-11-08 11-11-08 EPA 300.0 Specific Conductance (EC) 150 1.0 μmhos/cm " CR09457 11-10-08 11-10-08 EPA 120.1 Methylene Blue Active Substances ND 0.10 mg/L " CR09493 11-11-08 11-11-08 SM5540 C Calcium 15 1.0 " " CR09505 11-11-08 11-12-08 200.7/2340B Magnesium 5.8 1.0 " " " " " " " " " " " " " " " " " Potassium 2.2 1.0 " " " " " " " " " " " " " " " Sodium 4.5 1.0 " " " " " " " " " " " " " " " " " Hardness as CaCO3 62 1.0 " " " " " " " " " " " " " " " " " " "	Hydroxide as CaCO3	ND	5.0	11	It	It	IJ	II	. 11	
Methylene Blue Active Substances ND 0.10 mg/L " CR09493 11-11-08 11-11-08 SM5540 C Calcium 15 1.0 " " CR09505 11-11-08 11-12-08 200.7/2340B Magnesium 5.8 1.0 " " " " " " " " " Potassium 2.2 1.0 " " " " " " " " " " Sodium 4.5 1.0 " " " " " " " " " " " " Hardness as CaCO3 62 1.0 " " " " " " " " " " " " " pH 7.67 0.01 pH Units CR09453 11-10-08 SM4500-H B	•	1.1	0.50	11	U	CR09470	11-11-08	11-11-08	EPA 300.0	
Methylene Blue Active Substances ND 0.10 mg/L " CR09493 11-11-08 11-11-08 SM5540 C Calcium 15 1.0 " " CR09505 11-11-08 11-12-08 200.7/2340B Magnesium 5.8 1.0 " " " " " " " " " Potassium 2.2 1.0 " " " " " " " " " " " Sodium 4.5 1.0 " " " " " " " " " " " " " Hardness as CaCO3 62 1.0 " " " " " " " " " " " " " " pH 7.67 0.01 pH Units CR09453 11-10-08 11-10-08 SM4500-H B	Specific Conductance (EC)	150	1.0	μmhos/cm	ŧı	CR09457	11-10-08	11-10-08	EPA 120.1	
Calcium 15 1.0 " CR09505 11-11-08 11-12-08 200.7/2340B Magnesium 5.8 1.0 " " " " " " " " " " " " " " " " Potassium 2.2 1.0 " " " " " " " " " " " " " " " " " " " " " " " " " " " Sodium 4.5 1.0 " " " " " " " " " " " " " " " " " " "	•	ND	0.10	mg/L	ti	CR09493	11-11-08	11-11-08	SM5540 C	HT-
Magnesium 5.8 1.0 " <	· ·	15	1.0	n	. #1	CR09505	11-11-08	11-12-08	200.7/2340B	
Potassium 2.2 1.0 " " " " " " " " " " " " " " " " " " "			1.0	11	н		R	ti	4	
Sodium 4.5 1.0 "	-			11	и.	ll.	R	ţI	Ħ	
Hardness as CaCO3 62 1.0 " " " " " " " " " " " " " " " " " " "				H	It	D	п	Ħ	II	
pH 7.67 0.01 pH Units " CR09453 11-10-08 11-10-08 SM4500-H B .				11	Į.	u .	11	Ħ	it	4
par viol par, once par, once it is to be in the original of th				nH Unite	11	CR09453	11-10-08	11-10-08	SM4500-H B	. HT-1
Sulfata as SOM 17 0.50 mg/L 2 CD00470 11-11-02 11-11-02 EPA 10111	Sulfate as SO4	12	0.50	mg/L	31	CR09470	11-11-08	11-10-08	EPA 300.0	

11-21-08 08:03

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Jeff Huggins

CLS Work Order #: CRK0319

COC #: 94810,13

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-8 LGC Below DC (CRK0319-08) Wa	ater Sample	d: 11-07-08	11:35 Re	ceived: 1	1-10-08 09:	40			
Total Dissolved Solids	110	10	mg/L	1	CR09491	11-11-08	11-13-08	SM2540C	
WM-7 LGC Above DC (CRK0319-09) W	ater Sample	ed: 11-07-08	11:45 Re	ceived: 1	1-10-08 <u>09</u> :	:40			
Total Alkalinity	62	5.0	mg/L	. 1	CR09496	11-11-08	11-11-08	SM2310B	
Bicarbonate as CaCO3	62	5.0	P .	п	0 1	Ħ	14	11	
Carbonate as CaCO3	ND	5.0	n		11	. 0	11	ŧŧ	
Hydroxide as CaCO3	ND	5.0	U	q	11	Ħ	If	17	
Chloride	1.1	0.50	II.	. #	CR09470	11-11-08	11-11-08	EPA 300.0	
Specific Conductance (EC)	140	1.0	μmhos/cm	u	CR09457	11-10-08	11-10-08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	12	CR09493	11-11-08	11-11-08	SM5540 C	HT-1
Calcium	16	1.0	11	**	CR09505	11-11-08	11-12-08	200.7/2340B	
Magnesium	5.5	1.0	\$1	IJ	U	11	ħ	, ii	
Potassium	2.0	1.0	11 -	n	"	If	**	ŋ	
Sodium	4.6	1.0	n .	, "	n .	, u,	. 11	. B	
Hardness as CaCO3	63	1.0)t [*]	ų.	tı	R	11	3)	
pH	7.60	0.01	pH Units	u	CR09453	11-10-08	11-10-08	SM4500-H B	HT-I
Sulfate as SO4	12	0.50	mg/L	- ₁₁ •	CR09470	11-11-08	11-11-08	EPA 300.0	
Total Dissolved Solids	110	10	14	H	CR09491	11-11-08	11-13-08	SM2540C	
WM-6 USFS Dam (CRK0319-10) Water	Sampled: 11	1-07-08 11:5	0 Receive	ed: 11 -10 -	-08 09:40				
Total Alkalinity	69	5.0	mg/L	1	CR09496	11-11-08	11-11-08	SM2310B	-
Bicarbonate as CaCO3	69	5.0	11	0	n	" ,	u	11	
Carbonate as CaCO3	ND	5.0	†I	\$I	0	P	Ħ	n .	
Hydroxide as CaCO3	ND	5.0	ti	11	¢ı	17	iF .	. 11	
Chloride	1.0	0.50	n	И	CR09470	11-11-08	11-11-08	EPA 300.0	
Specific Conductance (EC)	160	1.0	μmhos/cm	В	CR09457	11-10-08	11-10-08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	В	CR09493	11-11 - 08	11-11-08	SM5540 C	HT-
Calcium	17	1.0	0	tl	CR09505	11-11-08	11-12-08	200.7/2340B	
Magnesium	6.5	1.0	ti	11	il ·)I	· . 11	ıt	
Potassium	2.4	1.0	et .	11	ıt	11	11	n	
Sodium	4.6	1.0	h	п	IS	ıı	ii ii	Ħ ,	4
Hardness as CaCO3	68	1.0	17	n	0	u	, #f	11	
pH	7.62	0.01	pH Units	1)	CR09453	11-10-08	11-10-08	SM4500-H B	НТ-
Sulfate as SO4	13	0.50	•	!!	CR09470	11-11-08	11-11-08	EPA 300.0	
•	•		_						

11-21-08 08:03

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

Project Number: PCA 13180 Project Manager: Jeff Huggins

CLS Work Order #: CRK0319

COC #: 94810,13

		~ .				-			-
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-6 USFS Dam (CRK0319-10) V	Vater Sampled: 11-0	7-08 11:50	Receive	d: 11-10	-08 09:40				
Total Dissolved Solids	100	10	mg/L	1	CR09491	11-11-08	11-13-08	SM2540C	
WM-7B (CRK0319-11) Water Sa	mpled: 11-07-08 12:05	Receive	d: 11-10-0	8 09:40					
Total Alkalinity	63	5.0	mg/L	, 1	CR09496	11-11-08	11-11-08	SM2310B	
Bicarbonate as CaCO3	63	5.0	le .	If	Ħ	. n	lt	4 1 .	
Carbonate as CaCO3	ND	5.0	17	lf .	U.	11	H	u	
Hydroxide as CaCO3	ND	5.0	If	If	H	11	, to	ti	
Chloride	1.2	0.50	н	P	CR09470	11-11-08	11-11-08	EPA 300.0	
Specific Conductance (EC)	140	1.0	μmhos/cm	lt.	CR09457	11-10-08	11-10-08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	11	CR09493	11-11-08	11-11-08	SM5540 C	HT-1
Calcium	13	1.0	и ,	it	CR09505	11-11-08	11-12-08	200.7/2340B	
Magnesium	6.4	1.0	н	11	*1	lt .	11	fr	. •
Potassium	1.6	1.0	u	11	и .	ir .	, p	tı	
Sodium	4.0	1.0	11	11	te de	·	в	u	
Hardness as CaCO3	58	1.0	tt	11	11	B	11	11	
Нq	7.93	0.01	pH Units	Ħ	CR09453	11-10-08	11-10-08	SM4500-H B	HT-1
Sulfate as SO4	6.1	0.50	mg/L	Ħ	CR09470	11-11-08	11-11-08	EPA 300.0	
Total Dissolved Solids	97	10	и	*1	CR09491	11-11-08	11-13-08	SM2540C	
WM-7C (CRK0319-12) Water Sa	mpled: 11-07-08 12:10	Receive	d: 11-10-0	8 09:40	*				
Total Alkalinity	63	5.0	mg/L	1	CR09496	11-11-08	11-11-08	SM2310B	
Bicarbonate as CaCO3	63	5.0	'n	ij	a	H,	If	n .	
Carbonate as CaCO3	ND	5,0	n .	и	Ħ	#	tl .	ß	
Hydroxide as CaCO3	ND	5.0	Ħ	. "	в	111		u	
Chloride	1.0	0.50	H	ti .	CR09470	11-11-08	11-11-08	EPA 300.0	
Specific Conductance (EC)	140	1.0	umhos/em	н	CR09457	11-10-08	11-10-08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	61	CR09493	11-11-08	11-11-08	SM5540 C	HT-
Calcium	18	1.0	11	- 11	CR09658	11-17-08	11-18-08	200.7/2340B	
Magnesium	5.1	1.0	11	11	ti .	ęi	. 10	Ħ	
Potassium	1.9	1.0	11	11	#1	· ·	17	. 11	•
Sodium	4.7	1.0	n	u	и.	lŧ.	11	li	•
Hardness as CaCO3	65	1.0	**	11	lt.	19	11	p	
pH	7.31	0.01	pH Units	tı	CR09453	11-10-08	11-10-08	SM4500-H B	HT-
Sulfate as SO4	9.1	0.50	mg/L	\$1	CR09470	11-11-08	11-11-08	EPA 300.0	
Dullate as DOT	7.1	0.50	III P		CAMPTIO	11-11-00	11-11-00		

11-21-08 08:03

CRWOCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Jeff Huggins

CLS Work Order #: CRK0319

COC #: 94810,13

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-7C (CRK0319-12) Water	Sampled: 11-07-08 12:	10 Receive	ed: 11-10-0	08 09:40					
Total Dissolved Solids	110	10	mg/L	1	CR09491	11-11-08	11-13-08	SM2540C	
WM-7A (CRK0319-13) Water	Sampled: 11-07-08 12:	30. Receive	ed: 11-10-(8 09:40				·	
Total Alkalinity	65	5.0	mg/L	1	CR09496	11-11-08	11-11-08	SM2310B	· ·
Bicarbonate as CaCO3	65	5.0	\$ ¢	Ħ	IF	u	11	it s	
Carbonate as CaCO3	ND	5.0	H	†1	11	11	н	u u	
Hydroxide as CaCO3	ND	5.0	IF	n	11	11	H .	#	
Chloride	1.1	0.50	i ir	*1	CR09470	11-11-08	11-11-08	EPA 300.0	
Specific Conductance (EC)	140	1.0	μmhos/cm	. H	CR09457	11-10-08	11-10-08	EPA 120.1	
Methylene Blue Active Substances	s ND	0.10	mg/L	ţi	CR09493	11-11-08	11-11 - 08	SM5540 C	HT-I
Calcium	14	1.0	11	· •	CR09658	11-17-08	11-18-08	200.7/2340B	
Magnesium	6.6	1.0	11	†I	n	11	11	9	
Potassium	1.3	1.0	, If	ч	11 .	n	11	11	
Sodium	3.9	1.0	. It	11		ti	n	11	
Hardness as CaCO3	62	1.0	11	Ħ	17	ħ	tr	n	
рН	7,90	0.01	pH Units	R	CR09453	11-10-08	11-10-08	SM4500-H B	HT-I
Sulfate as SO4	5.8	0,50	mg/L	ır	CR09470	11-11-08	11-11-08	EPA 300.0	
Total Dissolved Solids	99	10	11	If	CR09491	11-11-08	11-13-08	SM2540C	
WM-12 MBWC (CRK0319-14)	Water Sampled: 11-0	7-08 13:40	Received	: 11-10-08	8 09:40				
Total Alkalinity	13	5.0	mg/L	1	CR09496	11-11-08	11-11-08	SM2310B	
Bicarbonate as CaCO3	13	5.0	et	. 11	11	n	'n	n	
Carbonate as CaCO3	ND	5.0	Ħ	н	41	li	н	Ħ	
Hydroxide as CaCO3	ND	5.0	lf.	и .	Ħ	u	н	n .	-
Chloride	0.87	. 0.50	н	N	CR09470	11-11-08	11-11-08	EPA 300.0	
Specific Conductance (EC)	32	1.0	μmhos/cm	e.	CR09457	11-10-08	11-10-08	EPA 120.1	
Methylene Blue Active Substance	s ND	0.10	mg/L	11	CR09493	11-11-08	11-11-08	SM5540 C	HT-
Calcium	2.8	1.0	. 41	n	CR09658	11-17-08	11-18-08	200.7/2340B	
Magnesium	1.2	1.0	*1		И	ji	ĸ	ıt	
Potassium	. ND	1.0	11.	в	H	μ	li .	I)	
Sodium	1.3	1.0	11	н	IJ	lr .	u	P	
Hardness as CaCO3	12	1.0	u	. "	n	IP .	11	IŁ	-
		2.0						0) 64600 II D	TITE Y
рH	6. 40	0.01	pH Units	ę)	CR09453	11-10-08	11-10-08	SM4500-H B	HT-1

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CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project Manager: Jeff Huggins

Project: Walker Mine

Project Number: PCA 13180

CLS Work Order #: CRK0319

COC #: 94810,13

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-12 MBWC (CRK0319-14) Water	Sampled: 11-0	7-08 13:40	Received:	11-10-08	09:4 0			_	
Total Dissolved Solids	19	10	mg/L	1	CR09491	11-11-08	11-13-08	SM2540C	_
WM-13 Nye Creek (CRK0319-15) Water	Sampled: 11	-07-08, 13:5	0 Receive	ed: 11-10	-08 09:40				
Total Alkalinity	60	5.0	mg/L	1	CR09496	11-11-08	11-11-08	SM2310B	
Bicarbonate as CaCO3	60	5.0	19	19	. 11	If	11	11	
Carbonate as CaCO3	ND	5.0	. 16	11	ij	p ·	11	11	
Hydroxide as CaCO3	ND	5.0	н .	IF .	H	μ .	11	Н .	
Chloride	1.2	0.50	I†	. 14	CR09470	11-11-08	11-11-08	EPA 300.0	•
Specific Conductance (EC)	120	1.0	μmhos/cm	Iţ	CR09457	11-10-08	11-10-08	EPA 120.1	•
Methylene Blue Active Substances	ND	0.10	mg/L	ıt .	CR09493	11-11-08	11-11-08	SM5540 C	HT-1
Calcium	, 13	1.0	It	Iţ	CR09658	11-17-08	11-18-08	200.7/2340B	
Magnesium	6.1	1.0	If	π	. 11	ı)	11	II.	
Potassium	ND	1.0	It	II.	п	19	H	ıi.	
Sodium	2.9	1.0	II	В	u	a ·	II	9	
Hardness as CaCO3	59	1.0	, If	ij	Ħ	ıt	н	*1	
рĦ	6.78	0.01	pH Units	0	CR09453	11-10-08	11-10-08	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	û	CR09470	11-11-08	11-11-08	EPA 300.0	
Total Dissolved Solids	78	10	n	. 0	CR09491	11-11-08	11-13-08	SM2540C	
WM-17 NBWC (CRK0319-16) Water	Sampled: 11-07	-08 14:00	Received:	11-10-08	09:40			·	
Total Alkalinity		5.0	mg/L	1 .	CR09496	11-11-08	11-11-08	SM2310B	
Bicarbonate as CaCO3	79	5.0	μ	. н	19	н	tl .	11	
Carbonate as CaCO3	ND .	5.0	It	If	10	li	u	11	
Hydroxide as CaCO3	ND	5:0	lt	H	H	Jt	ø	a .	
Chloride	0.73	0.50	14	It	CR09470	11-11-08	11-11-08	EPA 300.0	
Specific Conductance (EC)	150	1.0	μmhos/cm	j†	CR09457	11-10-08	11-10-08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	ıt	CR09493	11-11-08	11-11-08	SM5540 C	HT-1
Calcium	. 18	1.0	11	н	CR09658	11-17-08	11-18-08	200.7/2340B	
Magnesium	7 . 5	1.0	ţi	, "	Ħ	0	Iŧ	ıı ,	
Potassium	1.8	1.0	ti	. 11	tr	а	11	II.	٠
Sodium	3.7	1.0	11	*1	B	**	n	n	
Hardness as CaCO3	76	1.0	11	11	lı .	ft	11	η,	
рН	7.92	0.01	pH Units	11	CR09453	11-10-08	11-10-08	SM4500-H B	HT-F
Sulfate as SO4	0.62	0.50	mg/L	н.	CR09470	11-11-08		EPA 300.0	

CA DOHS ELAP Accreditation/Registration Number 1233

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CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Jeff Huggins

CLS Work Order#: CRK0319

COC#: 94810,13

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-17 NBWC (CRK0319-16) Water	Sampled: 11-07	08 14:00	Received	: 11-10-08	09:40	•			6.2
Total Dissolved Solids	110	10,	mg/L	1	C R09491	11-11-08	11-13-08	SM2540C	

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CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: PCA 13180 Project Manager: Jeff Huggins CLS Work Order #: CRK0319

COC#: 94810,13

Metals by EPA 200 Series Methods

			•						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-1 Portal (CRK0319-01) Water	Sampled: 11-07-0	8 09:15 Re	ccived: 1	1-10-08 0	9:40		<u></u> _		
Aluminum	ND	20	. μg/L	1 ·	.CR09497	11-11-08	11-12-08	EPA 200.8	QC-2H
Arsenic	. 10	2.0	π	łi		11	10	. 4	
Copper	97	1.0	R	41	It	11	15	• п	
iron	ND	50	14	II	n,	n	97		QC-2I
Zinc	23	2.0	n .	lı .	Ir	11	IJ	II	
Cadmium	ND	0.50	10	п		n	n	II	
WM-5 LGC/U/S (CRK0319-02) Wate	er Sampled: 11-0	7-08 08:40	Receive	d: 11-10- 0	8 09:40				•
Aluminum	1000	: 200	μg/L	10	CR09497	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	. 2.0	l1	1	П	n-	ıt	· II	
Copper	ND	1.0	n	11	п .	10	I†	lt.	
Iron	990	500	I !	10	It	И	16	If	
Zinc	3.0	2.0	ır	I	14,	II.	11	lt .	
Cadmium	ND	0.50	lt .	ŧI	, н	Iţ	li	11	
WM-3 DC-D/S (CRK0319-03) Water	Sampled: 11-07	-08 08:53 F	Received:	11-10-08	09:40				
Aluminum	. 190	100	μg/L	5	CR09497	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	2.0	n	1		It	ti	ı,	
Copper	71	1.0	. 11	H	11	, it	. 11	p	
fron '	500	250	11	5	11	и .	- 11	*	
Zinc	9.3	2.0	. 11	1	11		. #	11	
Cadmium	ND	0.50	n .	Ħ	11	11	11	**	
WM-2 DC-U/S (CRK0319-04) Water	Sampled: 11-07	-08 09:25 I	Received:	11-10-08	09:40				•
Aluminum	ND	20	μg/L	1	CR09497	11-11-08	11-12-08	EPA 200.8	QC-2F
Arsenic .	· ND	2.0	It.	11	n	19	н .	11	
Copper	. ND	1.0	n	11	Ħ	19	и .	И	
iron	ND	50	n	. н	11	19	li	II	QC-2F
Zinc	ND	2.0	. 11	H	11	п	u,	IF	
Cadmium	ND	0.50	H	11	If	u	и	It	
WM-19 Pond (CRK0319-05) Water	Sampled: 11-07-0	8 10:45 R	eceived: 1	11-10-08 0	9:40	· .	·	·	
Aluminum	280	200	μg/L	10	CR09497	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	2.0	11	1	и	B	It	11	
Copper	1400	10	n	10	17	п	i+	Ħ	
Iron	540 ·	500	11	B	u	ıl	H:	11	

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CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: PCA 13180

Project Manager: Jeff Huggins

CLS Work Order#: CRK0319

COC#: 94810,13

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-19 Pond (CRK0319-05) Water Sample	d: 11-07-08	10:45 Rec	eived: 1	11-10-08 0	9:40			•	
Zinc	98	2.0	μg/L	1	CR09497	, ju	11-12-08	EPA 200.8	
Cadmium ·	0.64	0.50	19	п.	н	и	и	11	
WM-4 48" Culvert (CRK0319-06) Water Sa	mpled: 11-0	7-08 11:00	Recei	ived: 11-10	-08 09:40				
Aluminum	160	40	μg/L	2	CR09497	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	2.0	14	1	11	17	II	ħ	
Copper	54	1.0	16	¥	IF	tt.	11	Ħ	
Iron	390	100	10	2	If	ı	+1	II	
Zinc .	7.2	2.0	11	1.	it d	, it	· e	11	
Cadmium	ND	0.50	H	п	tı	11	n	11	•
WM-9 Browns Cabin (CRK0319-07) Water	Sampled: 1	1-07-08 11:	20 Re	ceived: 11	-10-08 0 9:	10			
Aluminum	150	100	μg/L	5	CR09497	11-11-08	11-12-08	EPA 200.8	<u> </u>
Arsenic	ND	2.0	It	. 1	11	11	ŧŧ	11	
Copper	14	1.0	If	U	ıt	o ·	ir .	19	
Iron	690	250	It	5	If	n	D.	ŧI ·	
Zinc	2.7	2.0	IF	1	11	Ð	19	II	
Cadmium	ND	0.50	ıt	u	It	п	11	11	
WM-8 LGC Below DC (CRK0319-08) Water	Sampled:	11-07-08 1	1:35 R	leceived: 1	1-10-08 09	:40	•		
Aluminum	170	100	μg/L	5	CR09497	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	2.0	ų	1	, II	n .	II	II	
Copper	13	1.0	u .	. #	u .	. 11	tt	13	•
Iron	750	250	ji.	5	ŧi	li	и .	†I	
Zinc	3,2	2.0	H.	1	H	Iŧ	11	11	
Cadmium	ND	0.50	11	ti ti	ŧ	ıı	II	11	
WM-7 LGC Above DC (CRK0319-09) Water	Sampled:	11-07-08 1	1:45 R	Received: 1	1-10-08 09	:40	•		
Aluminum	200	100	μg/L	5	CR09497	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	2.0	11	1	и .		tt [°]	"	
Copper	10	1.0	В	я	IF.	Iţ	11	ti .	
Iron	770	250	11	. 5	If	17	10	11	•
Zinc .	2.4	2.0	, 11	1	If	, II	ir ,	li	
Cadmium	ND	0.50	11	If	11	li	**	, п	
WM-6 USFS Dam (CRK0319-10) Water Sal	npled: 11-0	7-08 11:50	Receiv	ved: 11-10-	-08 09:40	•			•

CA DOHS ELAP Accreditation/Registration Number 1233

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CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: PCA 13180 Project Manager: Jeff Huggins CLS Work Order #: CRK0319

COC#: 94810,13

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-6 USFS Dam (CRK0319-10) Water	Sampled: 11-0'	7-08 11:50	Receiv	ed: 11-10-	08 09:40				
Aluminum	ND	20	μg/L	1 .	CR09497	11-11-08	11-12-08	EPA 200.8	QC-2H
Arsenic	ND .	2.0	11	11	14		fi .	If	
Copper	37	1.0	91	91	II.	H	żŧ	Ц	
Iron	500	250	97	5	. 0	11	16	Ц	
Zinc	7.1	2.0	#1	1	u ·	i II	11	ĸ	
Cadmium	ND	0.50	11	11	п	U.	11	lg	,
WM-7B (CRK0319-11) Water Sampled	i: 11-07-08 12:05	Received	l: 11-10-	08 09:40					
Aluminum	140	100	μg/L	5	CR09497	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	2.0	,9	1	*1	, ti	Ħ	n	
Copper	40	1.0	И	Ħ	n	II	п	U	
Iron	78 0	250	11	5	11	u .	19	0 .	
Zinc	4.5	2.0	11	1	*1	II	If	l?	
Cadmium	ND	0.50	11	Ц	U	II	II	II.	
WM-7C (CRK0319-12) Water Sampled	l: 11-07-08 12:10	Received	l: 11-10-	08 09:40					
Aluminum .	320	200	μg/L	10	CR09497	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	2.0	Ħ	1	П	11	11	ø .	
Copper	ND	1.0	f1	It	Ц	H	H	11	•
Iron	1000	500	Ħ	10	17	"	· n	11	
Zinc	2.4	2.0	11	1	ı	91	*1	11	
Cadmium	ND	0.50	н.	u	u'	. 11	II	N	
WM-7A (CRK0319-13) Water Sampled	l: 11-07-08 12:30	Received	l: 11-10-	08 09:40					
Aluminum	120	100	μg/L	5	CR09497	11-11-08 [,]	11-12-08	EPA 200.8	
Arsenic	ND	2.0	11	1 .	ţi	II .	11	18	
Copper	53	1.0	11	It.	И	. 41	U	Iŧ.	
Iron	660	250	11	5	D	Ħ	II .	n	
Zinc	8.6	2.0	11	1	п	я .	U	li	
Cadmium	ND	0.50	11	Ħ	l)	11	'n	u	
WM-12 MBWC (CRK0319-14) Water	Sampled: 11-07-0	0 8 13:4 0	Received	i: 11-10-08	8 09:40				
Aluminum	72	20	μg/L	. 1	CR09497	11-11-08	11-12-08	EPA 200.8	
Arsenic	: ND	2.0	Щ	п	ti	и .	. 0	. "	
Copper	5.8	1.0	11	u	it	ш	. *#	**	

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine
Project Number: PCA 13180

CLS Work Order#: CRK0319

COC#: 94810,13

Metals by EPA 200 Series Methods

Project Manager: Jeff Huggins

Analyte	Result	Reporting Limit	Units	Dilution	ı Batch	Prepared	Analyzed	Method	Notes
WM-12 MBWC (CRK0319-14) Water	Sampled: 11-0	7-08 13:40	Received	1: 11-10-0	8 09:40				
Zine	2.5	2.0	μg/L	1	CR09497	11	11-12-08	EPA 200.8	
Cadmium	ND	0.50	ti	11	H	tl	n	(1	
WM-13 Nye Creek (CRK0319-15) Wat	er Sampled: 1	1-07-08 13:5	0 Recei	ved: 11-10	09:40			<u> </u>	
Aluminum	ND	20	μg/L	1	CR09497	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	2.0	11	. н	li li	II	n	н	•
Copper	ND	1.0	n	ij	II	İt	Ħ	п	
Iron	ND	50	11	Ir	ŧı	. п	ij	11	QC-2H
Zine	2.2	2,0	li .	· u	ŧı	ıŗ	п	fi fi	
Cadmium	ND	0.50	tt	Ħ	16	It	, n		
WM-17 NBWC (CRK0319-16) Water	Sampled: 11-0	7-08 14:00	Received	: 11-10-08	09:40		·	· · · · · · · · · · · · · · · · · · ·	
Aluminum	ND	20	μg/L	1	CR09497	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	2.0	İT	n	н .	li	If	u	
Copper .	ND	1.0	IŢ.	ır	П	Ħ	If	н ·	
Iron	ND	50	п	Ir	, я	ıı	II	II .	QC-2H
Zinc	2.3	2.0	п	0	II	n	11	I#	
Cadmium	ND	0.50	71	11	И	и,	11	þ	

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CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Jeff Huggins

CLS Work Order #: CRK0319

COC#: 94810,13

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM-1 Portal (CRK0319-01) Water	Sampled: 11-07-	08 09:15 Re	eceived: 1	11-10-08 09	9:40				
Aluminum .	ND	- 20	μg/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	11	5.0	n .	11	n	ŧı	n	"	
Copper	91	2.0	at	[#] .	η	IJ	ŧi	B	
Iron	ND	50	• 41	n	ìr	n	n	tł.	
Zinc _	22	2.0	. 11	ii	а.	и	n	11	
Cadmium	ND	0.50	H	j)	b	, li	tt	s)	
WM-5 LGC/U/S (CRK0319-02) Wat	er Sampled: 11-	07-08 08:40	Receive	d: 11-10-08	8 09:40				
Aluminum	390	100	μg/L	5	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	5.0	11	1	" .	H	b	,	
Copper	ND	2.0	Ħ	W	11	η	n .	**	
Iron	400	250	1†	5	tt .	H	11	n	
Zinc	3.1	2.0	11	1	11	H	· n	•	
Cadmium	ND	0,50	11	l)	11	И	R	n	
WM-3 DC-D/S (CRK0319-03) Water	Sampled: 11-07	7-08 08:53 I	Received:	: 11-10-08	09:40				
Aluminum	110	20	μg/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	5.0	11	11	n	n	. 11	it	
Copper	50	2.0	11	ŋ	IF	n	lt	ш	
Iron	290	100	n	2	if	η	ır	и	
Zinc	8.2	2.0	n	1	ρ	н	۳.	H	
Cadmium-	ND	0.50	Ħ	a)	11	il	ti .	11	*
WM-2 DC-U/S (CRK0319-04) Water	Sampled: 11-07	7-08 09: 25 1	Received:	: 11-10-08	09:40	-	•		
Aluminum	ND	20	<u>μ</u> g/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	5.0	17	l;	n)†	ĸ	b	
Copper	ND	2.0	, n	ħ	n	H	16	н	
Iron	ND	50	b	n	n	lı .	. #1	. "	
Zinc	2.6	2,0	D	, if	11	u ,	· u	· It	
Cadmium	ND	0.50	, "	li	ŧ	9	n	lt	
WM-19 Pond (CRK0319-05) Water	Sampled: 11-07-	08 10:45 R	eceived:	11-10-08 0	9:40				
Aluminum	ND	20	μg/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	5.0	þi	b	n	17	H	lt .	
Copper	790	10	h	. 5	н	lø	. "	lt.	
Iron	ND	50	n	1	p	h	*1	l?	

11-21-08 08:03

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: PCA 13180 Project Manager: Jeff Huggins CLS Work Order#: CRK0319

COC#: 94810,13

	n., v	Reporting	YY '4.	Dilusian	Match	D	Amalaumad	Mothed	Notes
Analyte	Result	Limit	Units	Dilution		Prepared	Analyzed	Method	Note:
WM-19 Pond (CRK0319-05) Water Sa	mpled: 11-07-0	8 10:45 Rec	eived: 1	11-10-08 0	9:40			•	
Zinc	91	2.0	μg/L	1	CR09478	9	11-12-08	EPA 200.8	
Cadmium	0.57	0.50	ft	. 4	H	11	H	. 9	
WM-4 48" Culvert (CRK0319-06) Water	Sampled: 11	L-07-08 11: 00	Recei	ved: 11-10	-08 09:40				
Aluminum	93	20	μg/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	5.0	19	. "	If	•	0	ţį	
Copper	40	2.0	It	(1	D .	ff	9	u	
Iron	280	100	19	2	11	. "	Ħ	u	
Zinc	7.1	2,0	17	1	19 .	0	. "	11	
Cadmium	ND	0.50	19	11	ff	tr	"	11	
WM-9 Browns Cabin (CRK0319-07) Wa	ter Sampled:	11-07-08 11	20 Re	ceived: 11	-10-08 09:4	10			
Aluminum	93	20	μg/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	5.0	If.	ш	II	11	ti	"	
Copper	12	2,0	ı	11	U	u	ti	tı	
Iron	52 0	250	19	5	0	И	. 16	tt	
Zinc	3.6	2.0	u	1	tt.	u ,	**	n	
Cadmium	ND	0.50	n		п	jr -	#1	Ħ	
WM-8 LGC Below DC (CRK0319-08) W	ater Sample	1: 11-07-08 1	1:35 R	eceived: 1	1-10-08 09	:40	•		
Aluminum	100	20	μg/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	5.0	. 11	1)	'sı	li,	lf	ħ.	
Copper	9.3	2.0	đ	O	II .	ø	R	11	
Iron	560	250	и.	5	lt	lt .	n	11	
Zinc	2.9	2.0	It	1	11	. 0	ч	11	•
Cadmium	ND	0.50	0	ŧi	ti.	11	. u		
WM-7 LGC Above DC (CRK0319-09) W	ater Sample	d: 11-07-08 1	1:45 R	leceived: 1	1-10-08 09	:40			
Aluminum	110	20	– μg/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	5.0	. "	, 11	11	и	**	u	
Copper	8.2	2.0		10	11	ч	11	II	
Iron	560	250	u	. 5	11	fr	R ·	*	
Zinc	3.5	2.0	je .	1	If	lt .	IT	it.	
Cadmium	ND	0.50	n	11	H .	11	lt.	ı	
WM-6 USFS Dam (CRK0319-10) Water	Sampled: 11	-07-08 11:50	Receiv	/ed: 11-10-	-08 09:40				

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

Project Number: PCA 13180 Project Manager: Jeff Huggins CLS Work Order #: CRK0319

COC#: 94810,13

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note:
WM-6 USFS Dam (CRK0319-10)) Water Sampled: 11-	07-08 11:50	Receiv	red: 11-10-	08 09:40				
Aluminum	ND	20	μg/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	5.0	**	lo	н	n .	II	н	
Copper	30	2.0	tr	p	п		ŋ	11	
Iron ·	370	100	** ;	2	п	II .	11	п	1
Zinc	6.7	2.0	**	1	п	u	n	п	
Cadmium	ND	0.50	**	lı	11	ď	lj -		
WM-7B (CRK0319-11) Water	Sampled: 11-07-08 12:0	5 Received	l: 11-10-	-08 09:40					
Aluminum	71	20 .	μg/L	. 1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	5.0	11	u	Ħ	#	Ħ	lf .	
Copper	34	2.0	11	tt	*1	п	II.	i)	
Iron	460	250	11	5	, 41	и	и,	ii,	
Zine	5.1	2.0	11	1	11	II	, p	11	
Cadmium	ND	0.50	Ų	ŧ	11	If .	ıı	Ħ	
WM-7C (CRK0319-12) Water	Sampled: 11-07-08 12:	10 Received	l: 11-10-	-08 0 9: 40				1	
Aluminum	160	20	μg/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	•
Arsenic	ND	5.0	H	H.	ĸ	н	er .	II	
Copper	ND	2.0	81		u	т.	#	It	
Iron	580	250	II	5	. "	n	IY	li .	÷
Zinc	3.2	2.0	11	1	н .	#1	II,	. "	
Cadmium	ND	0.50	11	11	II .	11	ıı	. "	
WM-7A (CRK0319-13) Water	Sampled: 11-07-08 12:	30 Received	l: 11-10	-08 09:40					<u> </u>
Aluminum	73	20	μg/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	5.0	11	n	н	u	н .	*1	
Copper	43	2.0	11	11	ti	ŧi	Ħ	st .	
Iron ·	540	250	u	5	11	, B		11	
Zinc	. 7.3	2.0	Đ	1	17	n	It	It	
Cadmium	ND	0.50	Ħ	. 16	. 19	n	11	. "	
WM-12 MBWC (CRK0319-14) V	Water Sampled: 11-0'	7-08 13:40	Receive	d: 11-10-08	8 09:40				• •
Aluminum	47	20	μg/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	5.0	11	11	98	#1	II	ii .	
								11	
Copper	5.2	2.0	17	п	H	11	a	. "	

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

Project: Walker Mine Project Number: PCA 13180

CLS Work Order #: CRK0319

Project Manager: Jeff Huggins COC#: 94810,13

Analyte	Result	Reporting Limit	Units	Dilution	ı Batch	Prepared	Analyzed	Method	Notes
WM-12 MBWC (CRK0319-14) Water	Sampled: 11-0	7-08 13:40	Received	d: 11-10-08	8 09:40				
Zinc	3.7	2.0	μg/L	1	CR09478	u	11-12-08	EPA 200.8	
Cadmium	ND	0.50	H	")I	и	11	11	
WM-13 Nye Creek (CRK0319-15) Wat	er Sampled: 11	1-07-08 13:5	0 Recei	ved: 11-10	-08 09:40				
Aluminum	ND	20	μg/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic	ND	5.0	ir	н	'n	ii	. 9	n	
Copper	ND	2.0	, in	. н	n	II	11	9	
Iron ,	ND	50)1	n .	11	II .	11	11	
Zinc	3.2	2.0	H	n	н	II	9	11	
Cadmium	ND	0.50	H	н	n·	11)1	li	
WM-17 NBWC (CRK0319-16) Water	Sampled: 11-07	7-08 14:00	Received	: 11-10-08	09:40		_		
Aluminum	ND	20	μg/L	1	CR09478	11-11-08	11-12-08	EPA 200.8	
Arsenic '	ND -	5.0)r	п	· If	If	11	IF	
Copper	ND	2.0	tt	D		If	H	. п	•
Iron	ND	50	11	. "	н	. "	ti	ı	
Zinc	2.1	2.0	II	ij	. "	If	si	1)	
Cadmium	ND	0.50	n	Ŋ	11	, it `	11	l)	

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CRWQCB - Sacramento

Project: Walker Mine

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

Project Number: PCA 13180 Project Manager: Jeff Huggins CLS Work Order#: CRK0319

COC #: 94810,13

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CR09454 - General Preparation	,				•					
Blank (CR09454-BLK1)				Prepared	& Analyz	ed: 11-10-	08	•		-
Hexavalent Chromium	ND	10	μg/L							
Hexavalent Chromium, Dissolved	ND	10	Iŧ.							
LCS (CR09454-BS1)				Prepared	& Analyz	ed: 11-10-	08			
Hexavalent Chromium	275	10	μg/L	250		110	85-115			
Hexavalent Chromium, Dissolved	275	10	ie	250		110	80-120			
LCS Dup (CR09454-BSD1)		•		Prepared	& Analyz	ed: 11-10-	08			
Hexavalent Chromium	285	10	μg/L	250		114	85-115	3	20	
Hexavalent Chromium, Dissolved	285	10	19	250		114	80-120	3	20	
Matrix Spike (CR09454-MS1)	So	urce: CRK03	19-01	Prepared	& Analyz	ed: 11-10-	08			•
Hexavalent Chromium	274	10	μg/L	250	ND	110	85-115			
Hexavalent Chromium, Dissolved	274	10	11	250	ND	110	80-120			
Matrix Spike Dup (CR09454-MSD1)	So	urce: CRK03	19-01	Prepared	& Analyz	ed: 11-10-	08			
Hexavalent Chromium	274	10	μg/L	250	ND	110	85-115	0	20	
Hexavalent Chromium, Dissolved	274	10	11	· 250	ND	110	80-120	0	20	·
Batch CR09457 - General Preparation				•						
Blank (CR09457-BLK1)	•			Prepared	& Analyz	ed: 11-10-	08			
Specific Conductance (EC)	ND	1.0	ımhos/cır	-				_		
Batch CR09470 - General Prep			•							
Blank (CR09470-BLK1)		•		Prepared	& Analyz	ed: 11-11-	08	- <u> </u>		
Sulfate as SO4	ND	0.50	mg/L		•					
Chloride	ND	0.50	11						•	

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CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Jeff Huggins

CLS Work Order#: CRK0319

COC#: 94810,13

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CR09470 - General Prep										-
LCS (CR09470-BS1)				Prepared	& Analyz	ed: 11-11-	08		·	
Sulfate as SO4	5.28	0.50	mg/L	5.00	•	106	80-120			
Chloride	1.97	0.50	и	2.00		99	80-120			
LCS Dup (CR09470-BSD1)				Prepared	& Analyz	ed: 11-11-	08			
Chloride	1.97	0.50	mg/L	2.00		. 99	80-120	0.2	20	
Sulfate as SO4	5.18	0.50	Jt	5.00		104	80-120	2	20	
Matrix Spike (CR09470-MS1)	So	urce: CRK03	22-01	Prepared	& Analyz	ed: 11-11-	08			-
Chloride	48.5	0.50 ·	mg/L	2.00	48.9	NR	75-125			QM-4X
Sulfate as SO4	43.5	0.50	11	5.00	39.7	75	75-125			
Matrix Spike Dup (CR09470-MSD1)	So	urce: CRK03	22-01	Prepared & Analyzed: 11-11-08						
Chloride	48.4	0:50	mg/L	2.00	48.9	NR	75-125	0.2	25	QM-4X
Sulfate as SO4	43.7	0.50	lt.	5.00	39.7	80	75-125	0.6	25	
Batch CR09491 - General Preparation										
Blank (CR09491-BLK1)			•	Prepared:	11-11-08	Analyzeo	l: 11-13-08			
Total Dissolved Solids	ND	10	mg/L	Taki zlasta i		*	-15 - 42 5		6.17 (L. 18.4) 2	A 187
Duplicate (CR09491-DUP1)	So	urce: CRK03	26-03	Prepared:	11-11-08	Analyzed	i: 11-13-08	}		
Total Dissolved Solids	566	. 10	mg/L		566	•		0	20	
Batch CR09493 - General Preparation		·			· .					•
Blank (CR09493-BLK1)				Prepared	& Analyza	ed: 11-11-	08			

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CRWOCB - Sacramento

Project: Walker Mine

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project Number: PCA 13180 Project Manager: Jeff Huggins CLS Work Order#: CRK0319

COC #: 94810,13

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Lev e l	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CR09493 - General Preparation	·		_						· .	
LCS (CR09493-BS1)				Prepared 4	& Analyze	ed: 11-11-	08			
Methylene Blue Active Substances	0.489	0.10	mg/L	0.500		98	80-120	• .		
LCS Dup (CR09493-BSD1)	-			Prepared o	& Analyz	ed: 11-11-	08		•	
Methylene Blue Active Substances	0.498	0.10	mg/L	0.500		100	80-120	2	20	
Matrix Spike (CR09493-MS1)	So	urce: CRK03	33-01	Prepared a	& Analyze	ed: 11-11-	08			
Methylene Blue Active Substances	0.503	0.10	mg/L	0.500	ND	101	75-125			
Matrix Spike Dup (CR09493-MSD1)	So	urce: CRK03	33-01	Prepared a	& Analyze	ed: 11-11-	08		•	
Methylene Blue Active Substances	0.499	0.10	mg/L	0.500	ND	100	75-125	0.8	25	
Batch CR09496 - General Preparation			÷							
Blank (CR09496-BLK1)				Prepared a	& Analyze	ed: 11-11-	08			
Total Alkalinity	ND	5.0	mg/L						,	
Bicarbonate as CaCO3	ND	5.0	B							
Carbonate as CaCO3	ND	5.0	п							
Hydroxide as CaCO3	ND	5.0	ti							
Duplicate (CR09496-DUP1)	So	urce: CRK03	19-08	Prepared	& Analyz	ed: 11- <u>1</u> 1-	08			
Total Alkalinity	62.2	5.0	mg/L		61.8			0.6	20	
Bicarbonate as CaCO3	62.2	5.0	11		61.8		•	0.6	20	
Carbonate as CaCO3	ND.	5.0	ıl		ND				20	
Hydroxide as CaCO3	ND	5.0	It		ND				20	
Batch CR09505 - 6010A/No Digestion	<u> </u>									
Blank (CR09505-BLK1)				Prepared:	11-11-08	Analyze	d: 11-12-0	8		
Calcium	ND	1.0	m g/L							
Magnesium	ND	1.0	11							
Potassium	ND	1.0	п							•
Sodium	ND	1.0	17							
Hardness as CaCO3	ND	1.0	11							

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11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: PCA 13180

Project Manager: Jeff Huggins

CLS Work Order #: CRK0319

COC#: 94810,13

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%RÉC	%REC Limits	RPD	RPD Limit	Notes
Batch CR09505 - 6010A/No Digestion									_	
LCS (CR09505-BS1)		_		Prepared:	11-11-08	Analyze	1: 11-12-08	}		·
Calcium .	9.36	1.0	mg/L	10.0		94	80-120			
Magnesium	9.11	1.0	a	10.0		91	80-120			
Potassium	9.35	1.0	и.	10.0		93,	80-120			
Sodium	9.28	1.0	tı	10.0		93	80-120			
LCS Dup (CR09505-BSD1)				Prepared:	11-11-08	Analyzed	1: 11-12-08	3		
Calcium	9.49	1.0	mg/L	10.0		95	80-120	I	20	
Magnesium	9.24	1.0	II .	10.0		92	80-120	I	20	
Potassium	9.55	1.0	H	10.0		96	80-120	2	.20	
Sodium	9.41	1.0	ır	10.0	•	94	80-120	1	20	
Matrix Spike (CR09505-MS1)	Sou	urce: CRK02	37-01	Prepared:	11-11-08	Analyzed	1: 11-12-08	}		
Calcium	198	1.0	mg/L	10.0	198	1	75-125			QM-43
Magnesium	69.5	1.0	19	10.0	63.7	58	75-125			QM-42
Potassium	12.3	1.0	19	10.0	3.21	90	75-125	•		
Sodium	89.8	1.0	n	10.0	85.2	47	75-125			QM-43
Matrix Spike Dup (CR09505-MSD1)	So	urce: CRK02	37-01	Prepared:	11-11-08	Analyze	d: 11-12- 0 8	3		
Calcium	202	1.0	mg/L	.10.0	198	42	75 -125	2	25	QM-47
Magnesium	71.5	1.0	. "	10.0	63.7	78	75-125	. 3	25	
Potassium	13.0	1.0	H	10.0	3.21	98	75-125	6	25	
Sodium	93.2	1.0	n	10.0	85.2	81	75-125	4	25	
Batch CR09658 - 6010A/No Digestion						,	•			
Blank (CR09658-BLK1)				Prepared:	11-17-08	Analyze	d: 11-18-08	}		
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	и.							
Potassium	ND	1.0	14	•	•					
Sodium	ND	1.0	п	•		,				
Hardness as CaCO3	ND	1.0	. н							

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CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Jeff Huggins

CLS Work Order #: CRK0319

COC#: 94810,13

		Report	ing		Spike	Source		%REC		RPD	į
Analyte	Result	Li	mit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch CR09658 - 6010A/No Digestion	1										
LCS (CR09658-BS1)					Prepared:	11-17-08	Analyzed	i: 11-18-08			
Catoium	9.18		1.0	mg/L	10.0		92	80-120			
Magnesium	8.85		1.0	It	10.0		88	80-120			
Potassium	9.30		1.0	It	10.0		93	80-120		•	
Sodium	9.09		1.0	IF	10.0		91	80-120			
LCS Dup (CR09658-BSD1)					Prepared:	11-17-08	Analyzed	i: 11-18-08			
Calcium	9.25		1.0	mg/L	10.0		93	80-120	0.8	20	
Magnesium	8.90		1.0	11	10.0		89	80-120	0.6	20	
Potassium	9.47		1.0	н	10.0		95	80-120	2	· 20	
Sodium	9.17		0.1	II	10.0		92	80-120	0.9	20	
Matrix Spike (CR09658-MS1)	So	urce: CR	K 032	25-01	Prepared:	11-17-08	Analyzed	l: 11-18-08			
Calcium	82.0		1.0	mg/L	10.0	74.9	- 70	75-125			QM-4X
Magnesium	172		1.0	ıı	10.0	170	20	75-125			QM-4X
Potassium	42.3		1.0	If	10.0	35.0	73	75-125			QM-7
Sodium	127		1.0	II	10.0	122	48	75-125			QM-4X
Matrix Spike Dup (CR09658-MSD1)	So	urce: CR	K03	25-01	Prepared:	11-17-08	Analyzed	i: 11-18 - 08			
Calcium	81.0		1.0	mg/L	10.0	74.9	61	75-125	1	25	QM-4X
Magnesium	170		1.0	. 19	10.0	170	0	75-125	1	25	QM-4X
Potassium	41.7		1.0	19	10.0	35.0	67	75-125	1	25	QM-7
Sodium	· 126		1.0	b	10.0	122	34	75-125	1	25	QM-4X

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CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180

CLS Work Order #: CRK0319

Project Manager: Jeff Huggins

COC#: 94810,13

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 CR09497 - EPA 3020A									•	
Blank (CR09497-BLK1)				Prepared:	11-11-08	Analyzed	l: 11-12-08			
Aluminum	ND	20	μg/L							-
Arsenic	ND	2.0	, H							
Copper	ND	1.0	н							
Iron	ND	50	Ħ							
Zinc	ND	2.0	Ħ							
Cadmium	ND	0.50	н		•		÷			
LCS (CR09497-BS1)				Prepared:	11-11-08	Analyzed	!: 11-12-08			
Aluminum	106	20	μg/L	100		106	80-120			
Arsenio .	104	2.0	11	100		104	80-120			
Copper	102	1.0	. #	100		102	80-120			
Iron	89.1	50	Ħ	100		89	80-120			•
Zino	102	2 .0	Ħ	100		102	80-120			
Cadmium	10.5	0.50	11	10.0		105	80-120			
LCS Dup (CR09497-BSD1)				Prepared:	11-11-08	Analyzed	i: 11-12-08			
Aluminum	110	20	μg/L	· 100		110	80-120	3	20	
Arsenic .	104	2.0	ч	100	•	104	80-120	0.5	20	
Copper	104	-1.0	18	100		104	80-120	2	20	
Iron	100	50	15	100		100	80-120	12	20	
Zine	106	2.0	10	100		106	80-1 2 0	4	20	
Cadmium	10.9	0.50	H	10.0		109	80-120	4	20	
Matrix Spike (CR09497-MS1)	So	urce: CRK03	19-01	Prepared:	11-11-08	Analyzed	i: 11-12-08			
Aluminum	. 113	20	μg/L	100	ND	113	75-125		_	
Arsenio	116	2.0	11	100	10.3	105	75-125		*	
Copper	196	1.0	0	100	97.4	99	75-125			
Iron	146	50	n	100	ND	146	75-125			QM-
Zinc	121	2,0	п	100	22.7	99	75-125 -			•
Cadmium	10.8	0.50	и .	10.0	ND	108	75-125		•	

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CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: PCA 13180

CLS Work Order #: CRK0319

Project Manager: Jeff Huggins

COC#: 94810,13

Metals by EPA 200 Series Methods - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch CR09497 - EPA 3020A								•		•
Matrix Spike Dup (CR09497-MSD1)	Sour	rce: CRK03	319-01	Prepared:	11-11-08	Analyzed	l: 11-12-08	}		1
Aluminum	111	20	μ g /Ľ	100	ND	111	75-125	2	25	
Arsenic	113	2.0	п	100	10.3	103	75-125	2	25	
Copper ·	192	1.0	B	100	97.4	94	75-125	2	25	
Iron	178	50	I†	100	ND	178	75-125	19	25	QM-
Zinc	· 116	2.0	It	, 100	22,7	93	75-125	5	25	
Cadmium	10.5	0.50	It	10.0	ND	105	75-125	3	25	

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CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: PCA 13180

Project Manager: Jeff Huggins

CLS Work Order #: CRK0319

COC#: 94810,13

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 CR09478 - EPA 3020A	· · · · ·			•	· 					
Blank (CR09478-BLK1)			-	Prepared:	11-11-08	Analyzed	: 11-12-08		•	
Aluminum	ND	20	μg/L							
Arsenic	ND	5.0	II.							
Copper	ND	2.0	ц							
Iron	ND	50	п						•	
Zinc	ND	2.0	17							
Cadmium	ND	0.50	0							•
LCS (CR09478-BS1)				Prepared:	11-11-08	Analyzed	i: 11-1 2- 08			
Aluminum	113	20.	μg/L	100		113	80-120			,
Arsenic	107	5.0	It.	100		107	80-120			•
Copper	109	2.0	. #	100		109	80-120			
Iron	129	5 0	W	100		129	80-120	,		QM-
Zinc	104	2.0	h '	100		104	80-120			
Cadmium	11.0	0.50	ы	10.0		110	80-120			
LCS Dup (CR09478-BSD1)				Prepared:	11-11-08	Analyzed	l: 11-12-08			
Aluminum	109	20	μg/L	100		· · 109	80-120	4	20	
Arsenic	106	5.0	lt.	100		106	80-120	1	20	
Copper.	107	2.0	μ	100		107	80-120	2	· 20	
	114	50	10	100		114	80-120	13	20	
Zinc	105	2.0	n	100		105	80-120	0.06	20	
Cadmium	10.8	0.50	II	10.0		801	80-120	1	20	•
Matrix Spike (CR09478-MS1)	So	urce: CRK03	19-16	Prepared:	11-11-08	Analyzed	l: 11 - 12-08			
Aluminum	105	. 20	μg/L	100	ND	105	75-125			
Arsenic	109	5.0	10	100	ND	109	. 75-125			
Copper	104	2.0	11	100	ND	104	75-125			
Iron	97.1	50	п	001	ND	97	75-125			* .
Zinc	110	2.0	n	100	2 .10	108	75-125			
Cadmium	11.2	0.50	D	10.0	ND	112	75-125			

11-21-08 08:03

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: PCA 13180 Project Manager: Jeff Huggins CLS Work Order#: CRK0319

COC #: 94810,13

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 CR09478 - EPA 3020A		_				_				
Matrix Spike Dup (CR09478-MSD1)	Sou	rce: CRK03	19-16	Prepared:	11-11-08	Analyzed	I: 11-12-08	i		
Aluminum	108	20	μg/L	100	ND	108	75-125	2	25	
Arsenic	108	5.0	11	100	ND	108	75-125	0.6	25	
Copper	101	2.0	19	.100	ND	101	75-125	3	25	
Iron	98.0	50	п	100	ND	98	75-125	. 1	25	
Zinc	104	2.0	Ħ	. 100	2.10	102	75-125	5	25	
Cadmium	10.9	0.50	11	10.0	ND	109	75-125	3	25	

11-21-08 08:03

CRWOCB - Sacramento

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

Project: Walker Mine

Project Number: PCA 13180
Project Manager: Jeff Huggins

CLS Work Order #: CRK0319

COC #: 94810,13

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.

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.

QC-2H The recovery of one CCV was greater than the acceptance limit. However, all analytes in the associated samples were ND; therefore a reanalysis was not performed.

HT-F This is a field test method and it is performed in the lab outside holding time.

HT-1 The sample was received outside of the EPA recommended holding time

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

3249 Fitzgerald Road Rancho Cordova, CA 95742

July 09, 2009

CLS Work Order #: CSF0869 COC #: 94811,83105

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 06/19/09 08:00. 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

if it be say Need law detection (14-0-00-005-49) 9 CHOOL of defection SPECIAL INSTRUCTIONS 94811 PRINT NAME / COMPANY Heare ruse the ☐ YES ALT. LOG NO. (5) = H_2SO_4 (6) = $Ne_2S_2O_3$ QUOTE # P.O. # GEOTRACKER $Q_{\overline{g}}$ くてとしてが or YAG **EDF REPORT** TURN AROUND TIME GLOBAL ID: TELD CONDITIONS: 8 YA□ CONDITIONS / COMMENTS: Person Car ote: Fr WM-I AIR BILL# (3) = COLD (4) = NaOH COMPOSITE S YACI RECEIVED BY (SIGN) CLS ID No.: CATOK r YACI ANALYSIS REQUESTED \$ \$ \$ B. COar DATE / TIME 6/19/09 OTHER CHAIN OF CUSTODY Plaster CLS (916) 638-7301 3249 FIZGERALD RD. RANCHO CORDOVA, CA. 95742 DESTINATION LABORATORY CONTAINER CLIENT JOB NUMBER Jef Hragins-RwacB Š PRINT NAME / COMPANY Ç OTHER MATRIX 1 Safer Delan ASIO WM-40 49"CLING DC-Upskeam OC-Downstraey Regional Water Brand 160/11/5 JOB DESCRIPTION COLLECTED / MONITORING Brawns Eff Huggins/Rob Hell 06956 でいる SAMPLE eticia Naladez CUNTY PROJECT NAME , WEAT KEY MINE 6-16-09 9:45 NAM-5 CA FEDX REPORT TO: 12:20 WM-9 iogo WM-2 M-MW STICO インス一の正 RELINQUISHED BY (SIGN) 3:2 W. M. 15:30 WM-1 3,05 WM Strike NX 5:00 WM erdove. SITE LOCATION PLUMAS (tragia & CLS - Labs TIME SHIPPED BY: NAME AND ADDRESS Rancho SAMPLED BY DATE

8 inity of Metal Neel (and cletech SPECIAL INSTRUCTIONS CLS ID No.; 15/08/0 LOG NO. 83105 PRINT NAME / COMPANY ë ☐ YES ALT INVOICE TO: QUOTE # PO.# GEOTRACKER **EDF REPORT** YAQ **TURN AROUND TIME** 01 GLOBAL ID: FIELD CONDITIONS 5 YAG CONDITIONS / COMMENTS AIR BILL# (3) = COLD (4) = NaOH COMPOSITE s YAO RECEIVED BY (SIGN) ŗ YAG ANALYSIS, REQUESTED PRESERVATIVES: DATE / TIME 50-61-9 OTHER CHAIN OF CUSTODY CLS (916) 638-7301 3249 FIZGERALD RD. RANCHO CORDOVA, GA. 95742 Plestic DESTINATION LABORATORY CONTAINER CLIENT JOB NUMBER JEH Huggins RWACB 2 PRINT NAME / COMPANY OTHER 9 DATE ATINE MATRIX Water UPS るでして アラウンタバーウ MRW NBVBC となって 17:40-MM-12 PLISO WM-IR REPORT TO: FEDX 14:20 WM-1 RELINQUISHED BY (SIGN) 15:0 NM-1 Lumes CLS - Labs SUSPECTED CONSTITUENTS TIME * SHIPPED BY: SITE LOCATION () NAME AND ADDRESS 6-18-S Joseph Cont DATE

841

07/09/09 08:08

CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order#: CSF0869

COC #: 94811,83105

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM-5 (LGC/MIS) (CSF0869-01) Water	Sampled: 06/	18/09 09:45	Receive	d: 06/19/0	9 08:00				
Total Alkalinity	. 44	5.0	mg/L	1	CS04589	06/19/09	06/19/09	SM2310B	
Bicarbonate as CaCO3	44	5.0	u	11	1t*	II	11	u	•
Carbonate as CaCO3	ND	5.0	11	11	u	ıt .	ıt		
Hydroxide as CaCO3	ND	5.0	II	п	11	37	17	R	
Chloride	0.76	0.50	• 4		CS04624	06/22/09	06/22/09	EPA 300.0	
Specific Conductance (EC)	82	1.0	ımhos/cm		CS04605	06/22/09	06/22/09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	ш	CS04588	06/19/09	06/19/09	SM5540 C	
Calcium	7.3	1.0	11	B	CS04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	2.7	1.0	It	Jt .	ıt	п -	π	u	
Potassium	ND	1.0	If	11	и.	μ	II	a	
Sodium ·	3.0	1.0	н	n	11	u	ır	· u	
Hardness as CaCO3	30	1.0	u	п	D	u	ĮI	B	
H	7.01	0.01	pH Units	l†	CS04566	06/19/09	06/19/09	SM4500-H B	HT-F
Sulfate as SO4	, ND	0.50	mg/L	ıl	CS04624	06/22/09	06/22/09	EPA 300.0	
Total Dissolved Solids	68	10	II.	et .	CS04623	06/22/09	06/23/09	SM2540C	
WM-3 (DC-Downstream) (CSF0869-02) V	Vater Sampl	ed: 06/18/09	10:00 R	leceived:	06/19/09 08	8:00			
Total Alkalinity	61 .	5.0	mg/L	1	C\$04589	06/19/09	06/19/09	SM2310B	
Bicarbonate as CaCO3	61	5.0	fI	п	n .	H	If	n ,	
Carbonate as CaCO3	ND	5.0	u .	If	ır .	11	и	ıı	
Hydroxide as CaCO3	ND	5.0	0	п	R	u	, n	II	
Chloride	0.77	0.50	If	ji	CS04624	06/22/09	06/22/09	EPA 300.0	
Specific Conductance (EC)	120	1.0 µ	ımhos/cm	ii	CS04605	06/22/09	06/22/09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	li .	CS04588	06/19/09	06/19/09	SM5540 C	
Calcium	11	1.0	н	п	CS04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	5.4	1.0	п	п	п	It	ш	D	
Potassium	ND	1.0	п	u	If	11	Įś	II	
Sodium	2.5	1.0	11	u	11	п	п :	u	. ,
Hardness as CaCO3	49	1.0	н	i†	ш	11	и.	n	
эΗ	7.23	0.01	pH Units	ır	CS04566	06/19/09	06/19/09	SM4500-H B	HT-F
Sulfate as SO4	1.4	0.50	mg/L		C\$04624	06/22/09	. 06/22/09	EPA 300.0	
Total Dissolved Solids	91	10	11		CS04623	06/22/09	06/23/09	SM2540C	

07/09/09 08:08

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order#: CSF0869

COC#: 94811,83105

Analyte	Result	Reporting Limit	•	Dilution	n Batch	Prepared	Analyzed	Method	Note:
WM-1 (Portal) (CSF0869-03) Water	Sampled: 06/18/	09 10:30 I	Received: 0	6/19/09 0	8:00				•
Total Alkalinity	57	5.0	mg/L	1.	CS04589	06/19/09	06/19/09	SM2310B	
Bicarbonate as CaCO3	57	5.0	11	19	ĮI.	ŋ	II.	II	
Carbonate as CaCO3	ND	5.0	11	19	II	If	n ·	ш.	
Hydroxide as CaCO3	ND	5,0	11	И	11	It.	If	. 0	
Chloride	0.89	0.50	. 10	h	CS04624	06/22/09	06/22/09	EPA 300.0	
Specific Conductance (EC)	110	1,0	μmhos/cm	II.	C\$04605	06/22/09	06/22/09	EPA 120.1	
Hexavalent Chromium	ND	10	μg/L	U	C\$04578	06/19/09	06/19/09	EPA 7196A	
Hexavalent Chromium, Dissolved	ND	10	И .	B	11	II	It	11	
Methylene Blue Active Substances	ND	0.10	mg/L	п -	CS04588	06/19/09	06/19/09	SM5540 C	
Calcium	10	1.0	tj	11	CS04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	3.9	1.0	u '	11	(I	lt .	If	ŋ .	
Potassium ·	, ND	1.0	· AI	и	. 0	И	n	II.	
Sodium	4.5	1.0	D	fI	u,	. 4	ч	II	
Hardness as CaCO3	41	1.0	' н	11	II	II.	ч	11	
pH	7.33	0.01	pH Units	If	CS04566	06/19/09	06/19/09	SM4500-H B	HT-F
Sulfate as SO4	1.1	0.50	mg/L	. 11	CS04624	06/22/09	06/22/09	EPA 300.0	
Total Dissolved Solids	96	10	, II	11	CS04623	06/22/09	06/23/09	SM2540C	
WM-2 (DC-Upstream) (CSF0869-04)	Water Sampled	: 06/18/09 1	0:45 Rec	elved: 06.	/19/09 08:0	0 -		•	
Total Alkalinity	70	5.0	mg/L	1	CS04589	06/19/09	06/19/09	SM2310B	
Bicarbonate as CaCO3	70	5.0	Π	11	11	. п	II.	II	•
Carbonate as CaCO3	ND	5.0	11	н	ш	ıı	D	П	
Hydroxide as CaCO3	ND	5.0	9	п	и	II	II	П	
Chloride	0.83	0.50	. #	и.	CS04624	06/22/09	06/22/09	EPA 300.0	
Specific Conductance (EC)	140	1.0	μmhos/em	- U	CS04605	06/22/09	06/22/09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	D	CS04588	06/19/09	06/19/09	SM5540 C	
Calcium	12	1.0	n	D	CS04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	6.2	1.0	R	n	It	п	1)	. 4	
Potassium	ND	1.0	B	н	В	D	n ,	н	•
Sodium	2.5	1.0	и	h	li .	R	u.	И	
Hardness as CaCO3	56	1.0	11	u	u	lt .	11	Ħ	
рН	7.59	0.01	pH Units	11	CS04566	06/19/09	06/19/09	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	11	CS04624	06/22/09	06/22/09	EPA 300.0	
Total Dissolved Solids	100	10		41.	CS04623	06/22/09	06/23/09	SM2540C	

07/09/09 08:08

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

Project Number: [none]
Project Manager: Jeff Huggins

CLS Work Order #: CSF0869

COC #: 94811,83105

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-4 @ 48' Culvert (CSF0869-05) Wate	r Sampled: (06/18/09 12	:00 Recei	ved: 06/1	9 /09 08:00		E	<u> </u>	
Total Alkalinity	65	5.0	mg/L	1	CS04589	06/19/09	06/19/09	SM2310B	
Bicarbonate as CaCO3	65	5.0	н .)I	R	D	0	01	
Carbonate as CaCO3	ND	5.0	ļi.	И	I)	u	' e	11	
Hydroxide as CaCO3	ND	5.0	и.	п	I)	Œ	. 0	11	
Chloride	0.78	0.50	H	Ħ	CS04624	06/22/09	06/22/09	EPA 300.0	•
Specific Conductance (EC)	120	1.0	µmhos/cm	17	CS04605	06/22/09	06/22/09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	0	CS04588	06/19/09	06/19/09	SM5540 C	
Calcium	11	1.0	н	ti .	CS04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	5.2	1.0	0	11	μ	. 0	' n	0 .	
Potassium	ND	1.0	61	Ħ	IÌ	η	Ð	u	
Sodium	2.6	1.0	11	ti	U	31	21	. 11	
Hardness as CaCO3	50	1.0	11	п	11	Ħ	H	*61	
рН	7.66	0.01	pH Units	lı	C\$04566	06/19/09	06/19/09	SM4500-H B	HT-F
Sulfate as SO4	1.5	0.50	mg/L	(t	CS04624	06/22/09	06/22/09	EPA 300.0	
Total Dissolved Solids	89	10	1)	n	CS04623	06/22/09	06/23/09	SM2540C	
WM-9 (Brown's Cabin) (CSF0869-06) Wa	·	d: 06/18/ 09	12:20 Re	ceived: 0	6/19/09 08:	00	•		.*
Total Alkalinity	50	5.0	mg/L	. 1	CS04589	06/19/09	06/19/09	SM2310B	
Bicarbonate as CaCO3	50	5.0	11	и	li li	п	II	n	
Carbonate as CaCO3	ND	5.0	н	ıı	п		(F	и	
Hydroxide as CaCO3	· ND	5.0	II.	11	в -	n -	ņ	u S	•
Chloride	0.76	0.50	(I	æ	CS04624	06/22/09	06/22/09	EPA 300.0	
Specific Conductance (EC)	100	1.0	μmhos/cm	#1	CS04605	06/22/09	06/22/09	EPA 120.1	•
Methylene Blue Active Substances	ND	0.10	mg/L	ıt	CS04588	06/19/09	06/19/09	SM5540 C	
Calcium	10	1.0	. "	В.	CS04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	3.1	1.0	0	11	tt	11	, it	n	
Potassium	ND	1.0	D	n	п	. 1	D	Ð	
Sodium	3.1	1.0	· h	11	11	11		. 11	<i>'</i>
Hardness as CaCO3	38	1.0	п .	и	, «	п	þt	n	
	7.79	0.01	pH Units	и	CS04566	06/19/09	06/19/09	SM4500-H B	НТ-Г
pH Sulfate as SO4	3.7	0.51	mg/L	R	CS04624	06/22/09	06/22/09	EPA 300.0	
Sulfate as SO4		10	α πε\π	şı	CS04623	06/22/09	06/23/09	SM2540C	
Total Dissolved Solids	81			•		UUI 221U 9	0012,3103	5.7.25.100	•
WM-6 (MSFS Dam) (CSF0869-07) Water	· Sampled: 0	6/18/09 13:	U5 Receiv	/ed: 06/1	9/09 08:00				

CA DOHS ELAP Accreditation/Registration Number 1233

07/09/09 08:08

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order#: CSF0869

COC #: 94811,83105

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM-6 (MSFS Dam) (CSF0869-07) Water	Sampled: 06	5/18/09 13:	05 Receiv	ed: 06/19	9/09 08:00				
Total Alkalinity	60	5.0	mg/L	1	CS04589	06/19/09	06/19/09	SM2310B	
Bicarbonate as CaCO3	60	5.0	п .	Ħ	it .	11	n .	Ir	
Carbonate as CaCO3	ND	5.0	II	u	11	ıı	· "'	п .	
Hydroxide as CaCO3	ND	5.0	11	u		II .	IP	u	•
Chloride	0.78	0.50	II	. п	CS04624	06/22/09	06/22/09	EPA 300.0	
Specific Conductance (EC)	150	1.0	μmhos/cm	ı,	CS04605	06/22/09	06/22/09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	и :	CS04588	06/19/09	06/19/09	SM5540 C	
Calcium	15	, 1.0	\$1	μ	CS04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	4.2	1.0	'n	a	н	If	и	ú	
Potassium	1.1	1.0	I)	17.	n ·	. 11	II	П	
Sodium	3.2	1.0	\$1	, tı	lı	ıl	. н	11	
Hardness as CaCO3	56	1.0	u	, H	11	Ш	11	И	
Η̈́q	7.76	0.01	pH Units	tı	CS04566	06/19/09	06/19/09	SM4500-H B	НТ-Р
Sulfate as SO4	17	0.50	mg/L	n	CS04624	06/22/09	06/22/09	EPA 300.0	
Total Dissolved Solids	110	10	11	ŧı	CS04623	06/22/09	06/23/09	SM2540C	
WM-7 (LGC above DC) (CSF0869-08) Wat	ter Sampled	: 06/18/09	13:00 Re	ceived: 0	6/19/09 08:	:00			
Total Alkalinity	47	5.0	mg/L	1	CS04589	06/19/09	06/19/09	SM2310B	
Bicarbonate as CaCO3	47	5.0	u .	ıt	n	. 11	II .	ч	
Carbonate as CaCO3	ND	5.0		Ħ	It.	ц		п	
Hydroxide as CaCO3	ND	5.0	11	11	11	II	,1		
Chloride	0.76	0.50	H	п	CS04624	06/22/09	06/22/09	EPA 300.0	
Specific Conductance (EC)	. 99	1.0	μmh o s/cm	n	CS04605	06/22/09	06/22/09	EPA 120.1	1
Methylene Blue Active Substances	ND	0.10	mg/L	ŧł	CS04588	06/19/09	06/19/09	SM5540 C	
Calcium	9.4	1.0	u .	0	CS04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	3.0	1.0	l i	В	н	, u	ŧi	l4	
Potassium	ND	1.0	li .	Ħ	17	ı,	p ·	п	
Sodium	3.0	1.0	0	Ħ	11	p ·	ı, `	я.	
Hardness as CaCO3	36	1.0	u	п	b	ц	· u	D	
рН	7.68	0.01	pH Units	n	CS04566	06/19/09 -	06/19/09	SM4500-H B	HT-F
Sulfate as SO4	2.8	0.50	mg/L		CS04624	06/22/09	06/22/09	EPA 300.0	•
Total Dissoived Solids	75	10	11		CS04623	06/22/09	06/23/09	SM2540C	
WM-7A (DC above new MSFS Realignmen			Sampled			eceived: 06/			

07/09/09 08:08

CRWQCB - Sacramento

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

Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order#: CSF0869

COC #: 94811,83105

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method		Notes
WM-7A (DC above new MSFS Reali		9) Water	Sampled	.: 06/18/0	9 12:25	Received: 06	/19/09 08:00		-	
Total Alkalinity	65	5.0	mg/L	i	CS04589	06/19/09	06/19/09	SM2310B		
Bicarbonate as CaCO3	65	5.0	н	u	В	11	и	ĮI.		
Carbonate as CaCO3	ND	5.0	41	u	11	, H	n	II		
Hydroxide as CaCO3	ND	5.0	1 1	11	Ħ	n	11	II .		
Chloride	0.79	0.50	II	п	CS04624	06/22/09	06/22/09	EPA 300.0		
Specific Conductance (EC)	120	1.0	μmhos/cm	и .	CS04605	06/22/09	06/22/09	EPA 120.1		
Methylene Blue Active Substances	ND	0.10	mg/L	п	CS04588	3 06/19/09	06/19/09	SM5540 C		
Calcium	11	1.0	ų	к	CS04674	06/27/09	06/27/09	200.7/2340B		
Magnesium	4.8	1.0	11	п	μĺ	и .	. It	· ii		
Potassium	ND	. 1.0	u ,	u	a .	H	II.	D .		
Sodium	2.7	1.0	ır	u	11	. 16	11	Ħ		
Hardness as CaCO3	47	1.0	η.	fi	11	11	п	, II		
Н	8.02	0.01	pH Units	п	CS04566	06/19/09	06/19/09	SM4500-H B		HT-F
Sulfate as SO4	1.6	0.50	mg/L	н	CS04624	06/22/09	06/22/09	EPA 300.0		
Total Dissolved Solids	89	10	н	ч	CS04623	06/22/09	06/23/09	SM2540C		
WM-7B (DC Realignment above LG	C) (CSF0869-10) W	ater Sam	p led: 06/1	8/09 13:4	0 Recei	ved: 06/19/09	08:00			
Total Alkalinity	60	5.0	mg/L	1	CS04589	06/19/09	06/19/09	SM2310B		_
Bicarbonate as CaCO3	60	5.0	11	lr.	15	H.	b	n		
Carbonate as CaCO3	ND .	5.0	n	ш .	n	U	n	11		
Hydroxide as CaCO3	ND.	5.0	. "	u	11	fi .	\$1	П		
Chloride	0.78	0.50	ų	IT	CS04624	06/22/09	06/22/09	EPA 300.0		
Specific Conductance (EC)	120	. 1.0	μmhos/em	n	CS04605	06/22/09	06/22/09	EPA 120.1		
Methylene Blue Active Substances	ND	0.10	mg/L		CS0458	8 06/19/09	06/19/09	SM5540 C		
Calcium	11	1.0	II .	Ħ	CS04674	06/27/09	06/27/09	200,7/2340B		
Magnesium	4.7	1.0	n ·	ti .	ıı.	i j	11	. 17		
Potassium	ND	1,0	ш,	n	ΙŢ	, 11	11 .	11		
Sodium	2.7	1.0	ıı	11	ıı	и.	п	п .		
Hardness as CaCO3	46	1.0	u	n	n	ıı	п	u		
рН	8.06	0.01	pH Units	ıı	CS04566	06/19/09	06/19/09	SM4500-H B		HT-F
Sulfate as SO4	1.7	0.50	mg/L	11	CS04624		06/22/09	EPA 300.0		
Total Dissolved Solids	82	10	"		CS04623		06/23/09	SM2540C		
WM-7C (LGC above DC Realignme		• -	1	10/00 12-						

CA DOHS ELAP Accreditation/Registration Number 1233.

07/09/09 08:08

CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order#: CSF0869

COC#: 94811,83105

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Note
WM-7C (LGC above DC Realignmen	t) (CSF0869-11) W	ater Sau	npled: 06/1	8/09 13:4	5 Receive	ed: 06/19/09	08:00		
Total Alkalinity	50	5.0	mg/L	1	CS04589	06/19/09	06/19/09	SM2310B	
Bicarbonate as CaCO3	50	5.0	I)	U	n	n	n	в	F
Carbonate as CaCO3	ND	5.0	n		ji.	И	II	и	
Hydroxide as CaCO3	ND	5.0	. H	R	II	21	μ	и.	
Chloride	0.74	0.50	71	п	CS04624	06/22/09	06/22/09	EPA 300.0	
Specific Conductance (EC)	99	1.0	µmhos/cm	Ħ	CS04605	06/22/09	06/22/09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	ing/L	ļi	CS04588	06/19/09	06/19/09	SM5540 C	
Calcium	8.9	1.0	н	н	CS04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	2.8	1.0	If	II .	. "	к	. 11	н	
Potassium	ND	1.0	R,	11	11	16	. 41	. н	
Sodium	3.1	1.0	fI	II	n	11	В	H.	
Hardness as CaCO3	33	1.0	11 .	It	lt	0	11	Jt .	
pH	7.37	0.01	pH Units	п	CS04566	06/19/09	06/19/09	SM4500-H B	HT-I
Sulfate as SO4	2.4	0.50	mg/L	11	CS04624	06/22/09	06/22/09	EPA 300.0	
Total Dissolved Solids	7 9	10	11	u	CS04623	06/22/09	06/23/09	SM2540C	
WM-8 (LGC below DC) (CSF0869-12) Water Samples	d: 06/18/ 0 9	14:00 Re	ceived: 00	5/19/09 08:	:00	,		
Total Alkalinity	50	5.0	mg/L	1	CS04589	06/19/09	06/19/09	SM2310B	
Bicarbonate as CaCO3	50	5.0	b	U	n	. "	11	11	
Carbonate as CaCO3	ND	5.0	10	ır	u	U	, 11	n ·.	
Hydroxide as CaCO3	ND	5.0	IÌ	If	u	b	11	ti i	,
Chloride	0.76	0.50	ρ.	17	CS04624	06/22/09	06/22/09	EPA 300.0	•
Specific Conductance (EC)	100	1.0	μmhos/em	н	CS04605	06/22/09	06/22/09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	И	CS04588	06/19/09	06/19/09	SM5540 C	
Calcium .	9.6	1.0	н	ti.	CS04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	3.1	1.0	11	12	II	u	11	g .	
Potassium	ND	1.0	11	11	n	11	ıı	н	
Sodium	3.0	1.0	11	'n	II		н	•	
		1.0	ŧi	н	И	U	н	jl.	
	36 .	1.0							
Hardness as CaCO3	36 7.73		pH Units	n	CS04566	06/19/09	06/19/09	SM4500-H B	HT-F
Hardness as CaCO3 pH	7.73	0.01	pH Units		CS04566 CS04624				HT-F
Hardness as CaCO3 pH Sulfate as SO4 Total Dissolved Solids				h	CS04566 CS04624 CS04623	06/19/09 06/22/09 06/22/09	06/19/09 06/22/09 06/23/09	SM4500-H B EPA 300.0 SM2540C	HT-F

07/09/09 08:08

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

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order #: CSF0869

COC#: 94811,83105

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-11 (SBWC) (CSF0869-13) Water	Sampled: 06/18	/09 14:30	Received:	06/19/09	08:00	•			
Total Alkalinity	18	5.0	mg/L	1	C\$04589	06/19/09	06/19/09	SM2310B	
Bicarbonate as CaCO3	18	5.0	jt -		D	II.	. "	ŧi.	
Carbonate as CaCO3	ND	5.0	n ·	II	. 0	D	11	н	
Hydroxide as CaCO3	ND	5.0	И	tr	U	н	11	li	
Chloride	0.70	0.50	. "	ır	CS04624	06/22/09	06/22/09	EPA 300.0	
Specific Conductance (EC)	39	1.0	μmhos/cm	Iŧ	C\$04605	06/22/09	06/22/09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	U	CS04588	06/19/09	06/19/09	SM5540 C	
Calcium	3.2	1.0	ıt	11	C \$04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	1.0	1.0	, н	. "	n,	. 6	U	11	
Potassium	ND	1.0	И	U	. "	н	n	· n	
Sodium	1.8	1.0	#1	ŋ	II.	п	u	ħ	
Hardness as CaCO3	12	1.0	. н	Q	II.	p	(1	π,	
pH	6.82	0.01	pH Units	lt.	CS04566	06/19/09	06/19/09	\$M4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	G.	CS04624	06/22/09	06/22/09	EPA 300.0	
Total Dissolved Solids	59	10	н	ij	C \$04623	06/22/09	06/23/09	SM2540C	
WM-12 (MBWC) (CSF0869-14) Water	Sampled: 06/1	8/09 14:40	Received	: 06/19/09	9 08:00				
Total Alkalinity	21	5.0	mg/L	1	C\$04589	06/19/09	06/19/09	SM2310B	
Bicarbonate as CaCO3	21	5.0	. 11	н	9	Ð	U	ją	÷
Carbonate as CaCO3	ND	5.0	**	п	II.	μ	U	11 .	•
Hydroxide as CaCO3	ND	5.0	. в	И	u	и.	D	10.1	
Chloride	0.72	0.50	#1	n ·	CS04624	06/22/09	06/22/09	EPA 300.0	
Specific Conductance (EC)	38	1.0	μmhos/cm	1)	C\$04605	06/22/09	06/22/09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	n	C\$04588	06/19/09	06/19/09	SM5540 C	
Calcium	3.2	1.0	'n	B	C\$04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	1.5	1.0	IF	11	n	II.	u ·	0	
Potassium	ND	1.0	D	e.	b	IT)1		
Sodium	1.2	1.0	n	e,	. 0	H	11	0	
Hardness as CaCO3	14	1.0	n	tt	. "	U	It	П	
pH	6.22	0.01	pH Units	н	CS04566	06/19/09	06/19/09	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	Ħ	CS04624	06/22/09	06/22/09	EPA 300.0	
Total Dissolved Solids	30	10	11	и	CS04623	06/22/09	06/23/09	SM2540C	
WM-13 (Nye Crk) (CSF0869-15) Water	Sampled: 06/1	18/09 14:50) Receive	d: 06/19/0	9 08:00				

07/09/09 08:08

CRWQCB - Sacramento

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

Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order#: CSF0869

COC#: 94811,83105

	Pogult	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Analyte	Result								
WM-13 (Nye Crk) (CSF0869-15) Water	Sampled: 06/							SM2310B	
Total Alkalinity	38	5.0	mg/L	1	CS04589	06/19/09	06/19/09	210173100	
Bicarbonate as CaCO3	38	5.0	II	П			" II	ı. Il	
Carbonate as CaCO3	ND	5.0	Ħ	, 11	11	U .			
Hydroxide as CaCO3	ND	5.0	H .	Ш		"	0.6/0=100	EPA 300.0	÷
Chloride	0.73	0.50	. 41	51	C\$04624	06/22/09	06/22/09		
Specific Conductance (EC)	74		μmhos/cm	. "	CS04605	06/22/09	06/22/09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L		CS04588	06/19/09	06/19/09	SM5540 C	
Calcium	7.0	1.0	.#	11	CS04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	2.8	1.0	II	17	11	. 11	d		
Potassium	ND	1.0	11	n	ti .	1f	41	,	
Sodium	1.8	1.0	H	Ħ	п	IF.	Ħ	"	
Hardness as CaCO3	29	1.0	n	n	Ħ	Ħ	И	ri —	
pH	7.20	0.01	pH Units	п	CS04566	06/19/09	06/19/09	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	${\sf mg/L}$	Ħ	C\$04624	06/22/09	06/22/09	EPA 300.0	
Total Dissolved Solids	29	10	n	Π	CS04623	06/22/09	06/23/09	SM2540C	
WM-17 (NBWC) (CSF0869-16) Water	Sampled: 06/1	8/09 15:00	Received	: 0 6/1 9 /09	08:00				
Total Alkalinity	77	5.0	mg/L	1	CS04589~	06/19/09	06/19/09	SM2310B	•
Bicarbonate as CaCO3	77	5.0	. 10	16	tt	11	P	Ħ	
Carbonate as CaCO3	ND	5.0	ш	Ц	It	lį	U	. "	
Hydroxide as CaCO3	ND ·	5.0	ti	. 11	· u	17	lf	, il	
Chloride	0.84	0.50	11		C\$04624	06/22/09	06/22/09	EPA 300.0	
Specific Conductance (EC)	160	1.0	μmhos/cm	H	CS04605	06/22/09	06/22/09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	0	CS04588	06/19/09.	06/19/09	SM5540 C	
Calcium	14	1.0	н	11	CS04674	06/27/09	06/27/09	200.7/2340B	
Magnesium	5.8	1.0	н	п	Į I	II .	17	i. n	
Potassium	1.3	1.0	į‡.	U	II	н .	U .	și.	•
Sodium	3.1	1,0	it		ш	16	t+	H .	
Hardness as CaCO3	59	1.0	u	n	μ	11	п '	ll '	
	7.95	0.01		13	CS04566	06/19/09	06/19/09	SM4500-H B	HT-F
pH Sulfate as SO4	ND	0.50	-	11	CS04624	06/22/09	06/22/09	EPA 300.0	
Sulfate as SO4	110	10		н	CS04623	06/22/09	06/23/09	SM2540C	٠,
Total Dissolved Solids	110	10							

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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: Jeff Huggins

CLS Work Order#: CSF0869

COC #: 94811,83105

Metals by EPA 200 Series Methods

Analyte WM-5 (LGC/MIS) (CSF0869-01) Water Aluminum Arsenic Copper Iron Zinc Cadmium WM-3 (DC-Downstream) (CSF0869-02) W	Result Sampled: 29 ND ND ND 370 ND ND ND	Reporting Limit 06/18/09 09:45 20 2.0 1.0 100	Units Recei			Prepared 06/23/09	Analyzed	Method	Note
Aluminum Arsenic Copper Iron Zinc Cadmium	29 ND ND 370 ND	20 2.0 1.0	μg/L	1	<u>_</u>	06/23/00			
Arsenic Copper Iron Zinc Cadmium	ND ND 370 ND	2.0 1.0	n		CS04678	06/23/00			
Copper Iron Zinc Cadmium	ND 370 ND	1.0		tı		00/23/03	06/23/09	EPA 200.8	
Iron Zine Cadmium	370 ND		11		ti .	11	, u	n	
Zinc Cadmium	ND	100		·	ti.	н	u	11	
Cadmium			п	. 2	0		11:	u	
	MID	2.0	(1	1	11	11	11	Ö	
WM-3 (DC-Downstream) (CSE0869-02) W	מא	0.50	11	. 1)	it	п	И	ti	
Tria-b (bc-bo matically (correct) Tr	ater San	pled: 06/18/09	10:00	Received:	06/19/09 0	8:00			
Aluminum	34	20	 μg/L	1	CS 0 4678	06/23/09	06/23/09	EPA 200.8	
Arsenic	ND	2,0	t)r	n	н.	t)	u	
Copper	13	1.0	. 11	11	If	u	0 '	. "	
Iron .	260	100	n	. 2	μ .	H .	D	. It	
Zine .	4.9	2.0	н	1	ti		н	If	
Cadmium	ND	0.50	11	n	u	ir ·	0	и.	
WM-1 (Portal) (CSF0869-03) Water San	pled: 06/13	8/09 10:30 Re	ceived:	06/19/09 08	3:00				
Aluminum	ND	20	μg/L	1	CS04678	06/23/09	06/23/09	EPA 200.8	
Arsenic	14	* 2.0	D	1 H . at	. "	II	11	u	
Copper	98	1.0	D	п	и	ŧŧ	n	Ø	
Iron	ND	50	17	n	ri	¥I	17	n ,	•
Ziné	26	2.0	11	h	et	u ·	Ш	. II	
Cadmium	ND	0.50	ú	n	, ir	n ·	и	и .	
WM-2 (DC-Upstream) (CSF0869-04) Wate	er Sample	ed: 06/18/09 10:	45 Re	eceived: 06/	19/09 08:0	0			
Aluminum .	ND	20	μg/L	1	CS04678	06/23/09	06/23/09	EPA 200.8	
Ars e nic	ND	2.0	п	Iŧ	If	n	0	U	
Copper	ND	1.0	11	u	ĸ	11	II	и	
Iron	ND	50	tt	H	н	U	П	Ħ .	
Zinc	ND	2.0	16	Ħ	u	tr.	ji	(I	
Cadmium	ND	0.50	ar .	ţI	. H	ц	n	' н	
WM-4 @ 48' Culvert (CSF0869-05) Water	Sampled	: 06/1 <mark>8/09 12:0</mark>	0 Rec	eived: 06/19	0/09 08:00	•			
Aluminum	22	20	μg/L	1	CS04678	06/23/09	06/23/09	EPA 200.8	•
Arsenic	ND	2.0	u	Ħ	ii	lt .	19	н	
Copper	18	1.0	a	11)I	II	ø	11	
Iron	130	50	11	(I	11	#1	u	41	

CA DOHS ELAP Accreditation/Registration Number 1233

07/09/09 08:08

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: [none]

CLS Work Order#: CSF0869

COC #: 94811,83105

Project Manager: Jeff Huggins Metals by EPA 200 Series Methods

WM-4	Analyte		Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Cadmium	WM-4 @ 48 ^t Culvert (CSF086	59-05) Water	Sampled:	06/18/09 12:	00 Rec	eived: 06/1	9/09 08:00				
Sampled: 16/18/09 12:20 Received: 16/19/09 18:00	Zine		4.0	2.0	μg/L	1	CS04678	u -	06/23/09	EPA 200.8	· -
Aluminum 21 20 pg/L 1 CS04678 06/23/09 06/23/09 PPA 200.8	Cadmium		ND	0.50	н .	• 11	11	u	. и	11	
Arsenic ND 2.0	WM-9 (Brown's Cabin) (CSF	0869-06) Wate	er Sample	d: 06/18/09 1	2:20 R	eceived: 06	5/19/09 08:	00			
Copper	Aluminum		21	20	μg/L	1	CS04678	06/23/09	06/23/09	EPA 200.8	
Tron	Arsenic	.:	ND	2.0	п	11	11	0	H	(I	
ND 2.0 1	Copper		10	1.0	U	. 11	. 11	n .	u	tt	
ND	[ron		360	100	в.	2	H	II	n ,	a	•
MM-6 (MSFS Dam) (CSF0869-07) Water Sampled: 06/18/09 13:05 Received: 06/19/09 08:00	Zinc		ND	2.0	et	1	п	u		a	
Aluminum ND 20 µg/L 1 C804678 06/23/09 06/23/09 EPA 200.8	Cadmium		ND	0.50	If	n	ц	U	H		
Arsenic ND 2.0 " " " " " " " " " " " " " " " " " " "	WM-6 (MSFS Dam) (CSF0869	9-07) Water	Sampled: 0	6/18/09 13:0	5 Rece	ived: 0 6/19	/09 08:00				
Copper	Aluminum		ND	20	µg/L	1	CS04678	06/23/09	06/23/09	EPA 200.8	
Tron 680 250 5 1 1 1 1 1 1 1 1 1	Arsenic		ND	2.0	U	ø	и,	II	п	11	
Cadmium	Copper		100	1.0	ø	11	It	. п	11	· N	
Cadmium	Iron ·		680	250	U	5	Pt	(I		. 11	
Marconic ND 20 10 10 10 10 10 10 10	Zinc		13	2.0	σ	1	It	Ħ	11	. 44	
Aluminum ND 20 µg/L 1 CS04678 06/23/09 06/23/09 EPA 200.8 Arsenic ND 2.0 " " " " " " " " " " " " " " " " " " "	Cadınium		ND	0.50	. U	11	If	11	. "	11	
Arsenic ND 2.0 " " " " " " " " " " " " " " " " " " "	WM-7 (LGC above DC) (CSF	0869-08) Wat	er Sample	ed: 06/18/09 I	(3:00 F	Received: 0	6/19/09 08	:00			
Copper 3.4 1.0	Aluminum		ND	20	μg/L	t	CS04678	06/23/09	06/23/09	EPA 200.8	
Iron 360 100 " 2 " " " " " " Table Cadmium ND 0.50 " " " " " " " " "	Arsenic		ND	2.0	Ħ	11	u	u	II	JI.	
Iron	Copper		3.4	1.0	'n	ш	U	#	n	н	
Cadmium ND 0.50 " " " " " " " " " " " " " " " " " " "			360	100	rı	2	. 0		0 - 2	h .	
Cadmium ND 0.30 WM-7A (DC above new MSFS Realignment) (CSF0869-09) Water Sampled: 06/18/09 12:25 Received: 06/19/09 08:00 Aluminum ND 20 μg/L 1 CS04678 06/23/09 06/23/09 EPA 200.8 Arsenic ND 2.0 "	Zinc		ND	2.0	11	1	11.	14	11	Iŧ	
Aluminum ND 20 µg/L 1 C804678 06/23/09 06/23/09 EPA 200.8 Arsenic ND 2.0 " " " " " " " " " " " " " " " " " " "	Cadmium .		ND	0.50	11	И	11	· 16	п	1f	
Arsenic ND 2.0 " " " " " " " " " " " " " " " " " " "	WM-7A (DC above new MSF)	S Realignmen	t) (CSF0869	9-09) Water	Sampl	ed: 06/18/0	9 12:25 F	Received: 00	5/19/09 08:00		
Arsenic ND 2.0 Copper 26 1.0 "	Aluminum		ND	20	μg/L	1	CS04678	06/23/09	06/23/09	EPA 200.8	
Copper 26 1.0 Iron 230 100 2 " " " " " Zinc 3.6 2.0 1 " " " " " " " " Cadmium ND 0.50 " " " " " " " " " " " " WM-7B (DC Realignment above LGC) (CSF0869-10) Water Sampled: 06/18/09 13:40 Received: 06/19/09 08:00	Arsenic ·		ND	2.0	И	И	U	11	И	' и	
Zinc 3.6 2.0 " 1 " " " " " " " " " " " " " " " " "	Copper	•	26	. 1.0	ø	. 0	μ	0 .	. "	u	
Cadmium ND 0.50 " " " " " " " " " " " " " " " " " " "	Iron		230	100	ø	2	ij	u	. 11	u	•
Cadmium ND 0.50 " " " " " " " " " " " " " " " " " " "			3.6	2.0	ti	1	ц	u	. н	įį	
WM-7B (DC Realignment above LGC) (CSF0869-10) Water Sampled: 06/18/09 13:40 Received: 06/19/09 08:00					e e	. 11	, n	0	и	В	
		ve LGC) (CS	F0869-10) V	Water Sam	pled: 06.	/18/09 13:4	0 Receive	ed: 06/19/09	9 08:00		
		• •	35	20	 μg/L	1	CS04678	06/23/09	06/23/09	EPA 200.8	

CA DOHS BLAP Accreditation/Registration Number 1233

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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: Jeff Huggins

CLS Work Order#: CSF0869

COC#: 94811,83105

Metals by EPA 200 Series Methods

Analyte	. Re Result	porting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
WM-7B (DC Realignment abov						ed: 06/19/09			
Arsenic	ND	2.0	μg/L	1	CS04678	11	06/23/09	EPA 200.8	
Copper	22	1.0	i d	II	n	11	11	· II	
Iron	180	.50	п	11	п	U	l‡	ai .	
Zinc	9.3	2.0	II	п	B	U	'n	II .	
Cadmium	ND	0.50	и,	п	Jt .	h	ij	h	
WM-7C (LGC above DC Realig	gnment) (CSF0869-11) Water	r Sam	pled: 06/	18/09 13:45	Receive	ed: 06/19/09	08:00		
Aluminum	ND	20	μg/L	1	CS04678	06/23/09	06/23/09	EPA 200.8	
Arsenic	ND	2.0	Pr .	It	U	H	tt	It	٠
Copper	ND	1.0	ti	11	P ·	н .	ti.	П	
Iron	440	250	If	5	u ·	IJ	It	tį	
Zinc	ND	2.0	It	1	II .	· - II	;I	D	
Cadmium	ND	0.50	jt	IJ	н	H	и,	Ü	
WM-8 (LGC below DC) (CSF0	869-12) Water Sampled: 06	/18/09	14:00 R	eceived: 06	/19/09 08:	:00			
Aluminum	ND	20	μg/L	1	CS04678	06/23/09	06/23/09	EPA 200.8	
Arsenic	ND	2.0	P	ti	a	11	, D	И	
Copper	9.9	1.0	и	IJ	D	. 11	It	Ħ .	•
lron .	380	100	ii .	2	И	j†	П	D	
Zinc	2.8	2.0	ti	1	и .	II	II	н	
Cadmium	. ND	0.50	II.	н	H	II	u	u	
WM-11 (SBWC) (CSF0869-13)	Water Sampled: 06/18/09	[4:30]	Received	: 06/19/09 0	8:00				
Aluminum	22	20	μg/L	1 0	\$04678	06/23/09	06/23/09	EPA 200.8	
Arsenic	ND	2.0	11	It	n	II	41	u	
Copper	3.7	1.0	п		11	u	ti	u	
ron	ND	50	И	ıı	"	. н	II	II	
Zine .	2.8	2.0	n	. 11	ĮĮ.	u	It.	U	
Cadmium	ND	0.50	II .	11	lı	II .	4	. 11	
WM-12 (MBWC) (CSF0869-14)	Water Sampled: 06/18/09	14:40	Received	l: 06/19/09	08:00				
Aluminum	25	. 20	μg/L	1 C	S04678	06/23/09	06/23/09	EPA 200.8	
Arsenic	ND	2.0	at	ıı	R	11	IJ	II	•
Copper	5.6	1.0	†I	µ .	11	9	п	II .	
			11		n		4 1 ,	·	
ron	ND	50		'n		II .	44 .	· 11	

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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: Jeff Huggins

CLS Work Order#: CSF0869

COC #: 94811,83105

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-12 (MBWC) (CSF0869-14) Water	Sampled: 06/1	8/09 14:40	Receive	d: 06/19/09	08:00				
Cadmium	ND	0.50	μg/L	1	CS04678	и	06/23/09	EPA 200.8	
WM-13 (Nye Crk) (CSF0869-15) Water	Sampled: 06/	18/09 14:50	Receive	ed: 06/19/0	9 08:00				
Aluminum	ND	20	μg/L	. 1	CS04678	06/23/09	06/23/09	EPA 200.8	
Arsenic	ND	2.0	9	11	11	h	Ŋ	u	
Copper	ND	1.0	Œ	9	и	11	н :	æt	
Iron	ND	50	: 0	0	u	n	. 0	u(
Zinc	ND	2.0	it .	lt .	u	ti	0 .	ч	
Cadmium	ND	0.50	н	, и	t:	n	1r	și	
WM-17 (NBWC) (CSF0869-16) Water	Sampled: 06/1	8/09 15:00	Received	1: 06/19/09	08:00				
Aluminum	ИD	20	μg/L	1	CS04678	06/23/ 0 9	06/23/09	EPA 200.8	
Arsenic	ND	2.0	Н		Ħ	H	11	7(
Copper	ND ·	1.0	IJ	ď	и	It	11	н	
Iron	ND	50	II	II	· tt	tt .	ıt	Ħ	
Zinc	· ND	2.0	II.	(t	n .	11	п	н	
Cadmium	ND	0.50	II	ıt	н	B	п	Ħ	

07/09/09 08:08

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

Project Number: [none]

CLS Work Order#: CSF0869

Project Manager: Jeff Huggins

COC #: 94811,83105

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-5 (LGC/MIS) (CSF0869-01) Water	Sampled: 06	/18/09 09:45	Recei	ved: 06/19/0	9 08:00				
Aluminum	ND	20	μg/L	1	CS04693	06/24/09	06/24/09	EPA 200.8	
Arsenic	ND	5.0	h	II	\$1	ni -	М	. 11	
Copper	ND	2.0	II	H	, 11	11	It	Ħ	
Iron	ND	50	p	ŧI	li	п,	н .	' II	•
Zinc	ND	2.0	II	a	II	II	II.	If	
Cadmium	ND	0.50	п	d	н	n .	ıı	If	
WM-3 (DC-Downstream) (CSF0869-02)	Water Samp	led: 06/18/09	10:00	Received:	6/19/09 0	8:00			
Aluminum	ND	20	μg/L	1	CS04693	06/24/09	06/24/09	EPA 200.8	
Arsenic	ND	5.0	ĮI.	17	11	17	H	ħ	
Copper	8.8	2.0	ti	17	li	H	It	11	
Iron	100	50	H	п	II	lı	. 0	If	
Zinc	6.1	2.0	li.	· 11	n	II	11	11	
Cadmlum	ND	0.50	IJ	II	I)	. 11	И	II	
	mpled: 06/18/	09 10:30 Re	ceived:	06/19/09 08	:00			·	-\$
Aluminum	ND	20	μg/L	1	CS04693	06/24/09	06/24/09	EPA 200.8	
Arsenic	13	5.0	. 41	11	If	. н	IJ	D .	
Copper	84) 2.0	It	n	11	ti	11	Đ	
Iron	53	50	* H	ıt.	Ħ	It	11	n	
Zinc	23	2.0	u	n n	н	u.	It	II	
Cadmium	ND	0.50	11	II	11	ון	и.	• H	
WM-2 (DC-Upstream) (CSF0869-04) Wa	iter Sampled	l: 06/18/09 10	:45 R	ecelved: 06/	19/09 08:0	00			
Aluminum	ND	20	μg/L		CS04693	06/24/09	06/24/09	EPA 200.8	
Arsenic	ND	5.0	ıı.	н .	11	N	n .	.01	
Copper	ND	. 2.0	n - 1	n	11	It	` n	11	
Iron	ND	50	11	n	н	11	. 11	tl	
Zinc	ND	2.0	38	11	II	п	ji	ll	•
Cadmium	ND	0.50	II	R .	17	н	. 11	n	
WM-4 @ 48' Culvert (CSF0869-05) Wat	er Sampled:	06/18/09 12:	00 Re	ceived: 06/19	9/09 08:00)	,	-	
Aluminum	ND	20	μg/L	1	CS04693	06/24/09	06/24/09	EPA 200.8	
Arsenic	ND	5.0	0	и	D	II	D.	n	
Copper	14	2.0	u	, 14	, 41	и	u	Ħ	
Iron	130	50	*1	11	H	и	11	II.	
AI VII	200		•						

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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: Jeff Huggins

CLS Work Order#: CSF0869

COC#: 94811,83105

Metals (Dissolved) by EPA 200 Series Methods

MM-4 @ 48' Culvert (CSF0869-05) Water Sampled: 06/18/09 12:00 Received: 06/19/09 08:00	Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Cadmium	WM-4 @ 48' Culvert (CSF0869-05) Water	Sampled:	06/18/09 12:	00 Rec	eived: 06/19	9/09 08:00)	1.		·
MWH-9 (Brown's Cabin) (CSF0869-06) Water Sampled: 06/18/09 12:20 Received: 06/19/09 08:00 Security Sampled: 06/18/09 12:20 Received: 06/19/09 08:00 Security Sampled: 06/18/09 12:20 Received: 06/19/09 08:00 Security Sampled: 06/18/09 12:20 Security Sampled: 06/18/09 06/24/09 O6/24/09	Zinc	3.2	2.0	μg/L	1	CS04693	j)	06/24/09	EPA 200.8	-
Aluminum Alu	Cadmium	ND	0.50	H	п	t†	U	. "	II	
Arsenic ND 5.0 " " " " " " " " " " " " " " " " " " "	WM-9 (Brown's Cabin) (CSF0869-06) Wat	er Sample	ed: 0 6/18/09 1	12:20 R	Received: 06	/19/09 08:	:00			
No	Aluminum	ND	20	μġ/L	1	CS04693	06/24/09	06/24/09	EPA 200.8	
Tiron	Arsenic	ND	5.0	ų	Ħ	11	II	п .	И	
ND	Copper	7.1	2.0	lf	н	п	В	Ħ	n	
Cadmium ND 0.50 " " " " " " " " " " " " " " " " " " "	Iron	250	100	. н	2	U	14	ti .	11	
MM-6 (MSFS Dam) (CSF0869-07) Water Sampled: 06/18/09 13:05 Received: 06/19/09 08:00	Zinc	ND	. 2.0	11	1	ч	n ·	U	10	
Aluminum ND 20 µg/L ! CS04693 06/24/09 06/24/09 EPA 200.8 Arsenic ND 5.0 " " " " " " " " " " " " " " " " " " "	Cadmium	ND	0.50	11	12	11	If	U	u	
Arsenic ND 5.0 " " " " " " " " " " " " " " " " " " "	WM-6 (MSFS Dam) (CSF0869-07) Water	Sampled: 0	6/18/09 13:0	5 Rece	ived: 06/19	/09 08:00				
Copper 38 2.0 " " " " " " " " " " " " " " " " " " "	Aluminum	ND	20	μg/L	1	CS04693	06/24/09	06/24/09	EPA 200.8	
Tron 180 50 " " " " " " " " " " " " " " " " " "	Arsenic	ND	5.0	, ¥I	ti	(t	tι	u	п	
Cadmium	Copper	38	2.0	#	ŧı	0	u	u	u .	
Mode Mode	Iron	180	50	n	u	u	u	II	U .	
WM-7 (LGC above DC) (CSF0869-08) Water Sampled: 06/18/09 13:00 Received: 06/19/09 08:00	Zinc	9.2	2.0	u	4	u	п	II	. u ,	•
Aluminum ND 20 μg/L 1 CS04693 06/24/09 06/24/09 EPA 200.8 Arsenic ND 5.0 " " " " " " " " " " " " " " " " " " "	Cadmium	ND	0.50	n,	u	11	u ·	В	II.	•
Arsenic ND 5.0 " <th< td=""><td>WM-7 (LGC above DC) (CSF0869-08) Wat</td><td>er Sample</td><td>ed: 06/18/09</td><td>13:00 F</td><td>Received: 06</td><td>5/19/09 08</td><td>:00</td><td></td><td></td><td></td></th<>	WM-7 (LGC above DC) (CSF0869-08) Wat	er Sample	ed: 06/18/09	13:00 F	Received: 06	5/19/09 08	:00			
Copper 2.9 2.0 " " " " " " " " " " " " " " " " " " "	Aluminum	ND	20	μg/L	. 1	CS04693	06/24/09	06/24/09	EPA 200.8	
Iron 260 100 " 2 " " " " "	Arsenic	ND	5.0	11	n,			н	u	
Zinc 2.6 2.0 1 1 1 1 1 1 1 1 1	Copper	2.9	2.0	11	If	11	. 11	iţ	u	
Cadmium ND 0.50 " " " " " " " " WM-7A (DC above new MSFS Realignment) (CSF0869-09) Water Sampled: 06/18/09 12:25 Received: 06/19/09 08:00	Iron	26 0	100	u	2	ŧr	Ti.	b .	11	•
WM-7A (DC above new MSFS Realignment) (CSF0869-09) Water Sampled: 06/18/09 12:25 Received: 06/19/09 08:00 Aluminum ND 20 μg/L 1 CS04693 06/24/09 06/24/09 EPA 200.8 Arsenic ND 5.0 " " " " " " " " " " " " " " " " " " "	Zinc	2.6	2.0	н	1	#1	ıı	н	II.	
Aluminum ND 20 μg/L 1 CS04693 06/24/09 06/24/09 EPA 200.8 Arsenic ND 5.0 " " " " " " " " " " " " " " " " " " "	Cadmium	ND	0.50	11	. 11	u	. "	Ħ	n ,	
Arsenic ND 5.0 " " " " " " " " " " " " " " " " " " "	WM-7A (DC above new MSFS Realignmen	t) (CSF0869	9-09) Water	Sampl	ed: 06/18/09) 12:25 F	Received: 06	5/19/09 08:00		
Arsenic ND 5.0 " " " " " " " " " " " " " " " " " " "	Aluminum	ND	20	μg/L	1	CS04693	06/24/09	06/24/09	EPA 200.8	
Iron 180 50 " </td <td>Arsenic</td> <td>ND</td> <td>5.0</td> <td>п</td> <td>II</td> <td>U</td> <td>Ħ</td> <td>Ħ</td> <td>. "</td> <td>•</td>	Arsenic	ND	5.0	п	II	U	Ħ	Ħ	. "	•
Iron 180 50 " </td <td>Copper</td> <td>22</td> <td>2.0</td> <td>II</td> <td>11</td> <td>U</td> <td>и</td> <td>11</td> <td>R .</td> <td></td>	Copper	22	2.0	II	11	U	и	11	R .	
Cadmium ND 0.50 " " " " " " " " " " " " " " " " " " "		180	50	Ц	, п	11	Ħ	11	u	
WM-7B (DC Realignment above LGC) (CSF0869-10) Water Sampled: 06/18/09 13:40 Received: 06/19/09 08:00	Zinc	4,3	2.0	II	μ	u	tı	U	UF	
	Cadmium	ND		lj	11	It	τi	u	I§	
	WM-7B (DC Realignment above LGC) (CS	F0869-10) V	Vater Sam	pled: 06	/18/09 13:40) Receive	ed: 06/19/09	08:00		•
CIRCUITABLE TADA LA PERO T. CONTRACT AND DESTANDA DESTANDA DE LA PERO T. CONTRACT AND DESTANDA DE LA PERO T.	Aluminum	ND	. 20	μg/L	1	CS04693	06/24/09	06/24/09	EPA 200.8	

CA DOHS ELAP Accreditation/Registration Number 1233

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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: Jeff Huggins

CLS Work Order#: CSF0869

COC #: 94811,83105

Metals (Dissolved) by EPA 200 Series Methods

				· · · · · · · · · · · · · · · · · · ·					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	. Note:
WM-7B (DC Realignment above LGC) (CSF0869-10) V	Vater Sam	pled: 06/	18/09 13:40	Receive	ed: 06/19/09	08:00		
Arsenic	ND	5.0	μg/L	1	CS04693	11	06/24/09	EPA 200.8	
Copper	18	2.0	u	Ц	If	u	н	II	
Iron	120	50	IJ	' n	μ	p	и.	u .	
Zine	2.6	2.0	ĸ	n	ji .	†1	· u	li .	
Cadmium	ND	0.50	ıı	It	. и	ji	и .	n	
WM-7C (LGC above DC Realignment) (CSF0869-11) V	Vater Sam	pled: 06/1	18/09 13:45	Receive	ed: 06/19/09	08:00		
Aluminum	ND	20	μg/L	1	CS04693	06/24/09	06/24/09	EPA 200.8	
Arsenic	ND	5.0	υ.	Iŧ	ij	n ,	ù	IJ	
Copper	ND	2.0	It	li	II	. "	ij	h	
Iron	300	100	lt .	2	u	и.	tı	11	
Zinc	ND	2.0	II '	1	и	η	ıt	· • • • • • • • • • • • • • • • • • • •	
Cadmium	ND	0.50	II	И	It	11	II	6)	
WM-8 (LGC below DC) (CSF0869-12) W	ater Sample	d: 06/18/09	14:00 R	eceived: 06	/19/09 08:	:00			
Aluminum	ND .	20	μg/L	1	CS04693.	06/24/09	06/24/09	EPA 200.8	
Arsenic	ND	5.0	ti	(1	II	В	lt ,	0	
Copper	6.1	2.0	ti	IJ	ч и .	, u	н	lī	*,
Iron	230	100	It	2	IJ	11	μ .	. "	
Zinc	ND	2.0	II	1	It	ti	II	Ħ	
Cadmium .	ND	0.50	II	11	и .	ti	Ŋ	41	
WM-11 (SBWC) (CSF0869-13) Water S	Sampled: 06/18	3/09 14:30	Received:	06/19/09 0	8:00	•			
Aluminum	ND	20	μg/L	l	CS04693	06/24/09	06/24/09	EPA 200.8	
Arsenic	ND	5.0	û	n .	Ц	I)	Ħ	If	
Copper	3.5	2.0	u .	ч	н	lt .	. 0	lı '	
Iron	ND	50	11	u	Ħ	It	H	R	
Zine	3.5	2.0	п	, 0	п	П	ŋ	14	
Cadmium	ND	0.50	U	ır .	11	n	' łı	#1	
WM-12 (MBWC) (CSF0869-14) Water	Sampled: 06/1	8/09 14:40	Received	: 06/19/09	08:00				
Aluminum	ND ·	20	μ g /L	1	CS04693	06/24/09	06/24/09	EPA 200.8	
Arsenic	ND	5.0	I†	ŀ	9.	41 +	. "	. 0	
Copper	4.9	2.0	н	It.	II.	ji .	н	11	
Iron	ND	50	11	Iř	jt.	н	11	9 0	

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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: Jeff Huggins

CLS Work Order#: CSF0869

COC#: 94811,83105

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-12 (MBWC) (CSF0869-14) Water	Sampled: 06/	18/09 14:40	Receive	d: 06/19/ 0 9	08:00				
Cadmium	ND	0.50	μg/L	1	CS04693	u	06/24/09	EPA 200.8	
WM-13 (Nye Crk) (CSF0869-15) Water	Sampled: 06	18/09 14:50	Receive	ed: 06/19/0	9 08:00				
Aluminum	ND	- 20	μg/L	1	CS04693	06/24/09	06/24/09	EPA 200.8	
Arsenic	ND	5.0	H	li	II	10	II	11	2
Copper	ND	2.0	Ħ	II	И	11	n'	, p	
Iron	ND	50	п	11	11	U	И	Ħ	
Zinc	ND	2.0	, 11	11	ıı	D	u	н	
Cadmium	ND	0.50	tı	11	ji	11	ıı	н .	
WM-17 (NBWC) (CSF0869-16) Water	Sampled: 06/1	8/09 15:00	Received	1: 06/19/ 09	08:00				
Aluminum	ND	20	μg/L	i	CS04693	06/24/09	0.6/24/09	EPA 200.8	
Arsenic	ND	5,0	u	и	0	a	n	II	•
Copper	ND	2.0	И	П	ħ	g O	n	• 0	
Iron	ND	50	и	u	11	0 .	Ħ	U	
Zinc	ND	2.0	u	и	li	ţi	u	IJ	
Cadmium	ND	0.50	II	п	h	11	If	a	

07/09/09 08:08

CRWQCB - Sacramento

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

Walker Mine

Project Number: [none]

CLS Work Order#: CSF0869

Project Manager: Jeff Huggins

COC#: 94811,83105

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC_	%REC Limits	RPD	RPD Limit	Notes
Batch CS04578 - General Preparation						_		· · ·		
Blank (CS04578-BLK1)		_		Prepared	& Analyz	ed: 0 6/19/	09			•
Hexavalent Chromium	ND	10	μg/L	,				-		_
Hexavalent Chromium, Dissolved	ND	10	B							
LCS (CS04578-BS1)				Prepared	& Analyz	ed: 0 6/19/	09			
Hexavalent Chromium	273	10	μg/L	250		109	85-115			
Hexavalent Chromium, Dissolved	273	10	n n	250		109	80-120			
LCS Dup (CS04578-BSD1)				Prepared	& Analyz	ed: 06/19/	09			
Hexavalent Chromium	266	10	μg/L	250		106	85-115	3	20	_
Hexavalent Chromium, Dissolved	266	10	н	250		106	80-120	3	20	
Matrix Spike (CS04578-MS1)	Sou	irce: CSF084	48- 01	Prepared	& Analyz	ed: 06/19/0	09			
Hexavalent Chromium	206	10	μg/L	250	ND	82	85-115			QM-7
Hexavalent Chromium, Dissolved	206	10	E1	250	ND	82	80-120			
Matrix Spike Dup (CS04578-MSD1)	Sou	ırce: CSF084	18-01	Prepared	& Anaiyz	ed: 06/19/0	09			
Hexavalent Chromium	206	10	μg/L	250	ND	82	85-115	0	20	QM-7
Hexavalent Chromium, Dissolved	206	10	n	250	ND	82	80-120	0	20	
Batch CS04588 - General Preparation	_	•							•	
Blank (CS04588-BLK1)				Prepared a	& Analyz	ed: 06/19/0)9	-		
Methylene Blue Active Substances	ND	0.10	mg/L							
LCS (CS04588-BS1)				Prepared	& Analyz	ed: 06/19/0)9			
Methylene Blue Active Substances	0.576	0.10	mg/L	0.500		115	80-120			

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

Walker Mine Project:

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order#: CSF0869

COC#: 94811,83105

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CS04588 - General Preparation	• •									-
LCS Dup (CS04588-BSD1)				Prepared	& Analyza	ed: 06/19/	09			
Methylene Blue Active Substances	0.563	0.10	mg/L	0.500		113	80-120	2	20	-
Matrix Spike (CS04588-MS1)	So	urce: CSF086	69-01	Prepared	& Analyze	ed: 06/19/	09			
Methylene Blue Active Substances	0.582	0.10	mg/L	0.500	ND	116	75-125			
Matrix Spike Dup (CS04588-MSD1)	So	urce: CSF08	59-01	Prepared	& Analyza	ed: 06/19/	09			
Methylene Blue Active Substances	0.603	0.10	mg/L	0.500	ND	121	75-125	3	25	
Batch CS04589 - General Preparation Blank (CS04589-BLK1)				Prepared	& Analyz	ed: 06/19/	 09			,
Total Alkalinity	ND	5.0	mg/L		<u>,,</u>				·	
Bicarbonate as CaCO3	ND	5.0	11							
Carbonate as CaCO3	ND	5.0	и						٠.	
Hydroxide as CaCO3	ND	5.0)ī							
Duplicate (CS04589-DUP1)	So	urce: CSF08	17-01	Prepared	& Analyz	ed: 06/19/	09			
Total Alkalinity	44.2	5.0	mg/L		46.6			5	20	
Bicarbonate as CaCO3	44.2	5.0	И		46.6			5	20	
Carbonate as CaCO3	ND	5.0	it		ND				20	
Hydroxide as CaCO3	ИD	5.0	η	4	ИD				20	
Batch CS04605 - General Preparation			•				<u> </u>		<u>.</u>	
Blank (CS04605-BLK1)				Prepared	& Analyz	ed: <u>06/22</u> /	09			
Specific Conductance (EC)	ND	1.0	μmhos/cr	n						

07/09/09 08:08

CRWQCB - Sacramento

Project: Walker Mine

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project Number: [none]
Project Manager: Jeff Huggins

CLS Work Order#: CSF0869

COC #: 94811,83105

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CS04623 - General Preparation					•					
Blank (CS04623-BLK1)				Prepared:	06/22/09	Analyzed	l: 06/23/09		_	
Total Dissolved Solids	ND	10	mg/L	,					_	
Duplicate (CS04623-DUP1)	So	urce: CSF089	8-02	Prepared:	06/22/09	Analyzed	: 06/23/09			
Total Dissolved Solids	992	10	mg/L		996		-,	0.4	20	
Batch CS04624 - General Prep			•				•		<u>.</u>	
Blank (CS04624-BLK1)				Prepared	& Analyz	ed: 06/22/0	09			
Chloride	ND	0.50	mg/L	_					_	
Sulfate as SO4	ND	0.50	u							
LCS (CS04624-BS1)				Prepared	& Analyz	ed: 06/22/0)9			
Chloride	2.00	0.50	mg/L	2.00		100	80-120	_		
Sulfate as SO4	5.05	0.50	If	5.00		101	80-120			
LCS Dup (CS04624-BSD1)				Prepared	& Analyz	ed: 06/22/0)9			
Sulfate as SO4	5.09	0.50	mg/L	5.00		102	80-120	0.8	20	
Chloride	2.01	0.50	ŧI.	2.00		101	80-120	0.6	20	
Matrix Spike (CS04624-MS1)	Son	arce: CSF086	9-01	Prepared	& Analyza	d: 06/22/0)9			
Sulfate as SO4	5.15	0.50	mg/L	5.00	0.290	97	75-125			
Chloride	2.22	0.50	Ħ	2.00	0.762	73	75-125			QM-5
Matrix Spike Dup (CS04624-MSD1)	Soc	urce: CSF086	9-01	Prepared	& Analyz	ed: 06/22/0)9			
Chloride	2.39	0.50	mg/L	2.00	0.762	81	75-125	7	25	
Sulfate as SO4	5.80	0.50	II	5.00	0.290	110	75-125	12	25	

07/09/09 08:08

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project:

Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order #: CSF0869

COC #: 94811,83105

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CS04674 - 6010A/No Digestion										
Blank (CS04674-BLK1)			_	Prepared:	06/23/09	Analyzed	: 06/27/09			
Calcium	ND	. I.O	mg/L	·		TO THE TOTAL PROPERTY OF THE PARTY				
Magnesium	ND	1.0	11							
otassium	ND	1.0	tı							
Sodium	ND	1.0	ш							
Iardness as CaCO3	ND	1.0	II.							·
CS (CS04674-BS1)		<u>. </u>		Prepared:	06/23/09	Analyzed	06/27/09	ζ.		
Calcium	8.72	1.0	mg/L	10.0		87 -	80-120			
Magnesium	8.20	1.0	0 .	10.0		82	80-120			
otassium	9.15	1.0	11	10.0		91	80-120			
odium	8.90	1.0	41	10.0		89	80-120			
CS Dup (CS04674-BSD1)				Prepared:	06/23/09	Analyzed:	06/27/09			
Calcium	9.05	1,0	mg/L·	10.0		91	80-120	4	20	May - Pytoged 1788 (per 1544)
/agnesium	8.48	1.0	И	10.0		85	80-120	3	20	
otassium	9.36	1.0	II	10.0		94	80-120	2	20	
odium	9.14	1.0	11	10.0		91	80-120	3	20	
Iatrix Spike (CS04674-MS1)	Sou	rce: CSF086	9-01	Prepared: 06/23/09 Analyzed: 06/27/0						
Calcium	17.4	1.0	mg/L	10.0	7.35	101	75-125			
1agnesium	11.7	1.0	ц	10.0	2.74	90	75-125			
otassium	10.5	0.1		10.0	ND	105	75-125			
odium	12.6	1.0	It	10.0	3.05	96	75-125			
1atrix Spike Dup (CS04674-MSD1)	Sou	rce: CSF086	9-01	Prepared:	06/23/09	Analyzed:	06/27/09			
Calcium	17.8	1.0	mg/L	10.0	7.35	105	75-125	2	25	-
1agnesium	12.0	1.0	u	10.0	2.74	93	75-125	3	25	
otassium	10.7	1.0	, H	10.0	ND	107	75-125	3	25	
odium	12.8	1.0	71	10.0	3.05	97	75-125	1 .	25	

07/09/09 08:08

CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order#: CSF0869

COC #: 94811,83105

Metals by EPA 200 Series Methods - Quality Control

Amelia	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC	RPD	RPD	Maria
Analyte			UIIIIS	TeAct	Kesuit	70ICEC	Limits		<u>Limit</u>	Notes
Batch CS04678 - EPA 3020A					· .			_		
Blank (CS04678-BLK1)				Prepared	& Analyze	d: 06/23/0	09			_
Aluminum	ND	20	μg/L				•			
Arsenic	ND	2.0	и							
Copper	ND	· 1.0	ıı							
Iron	ND	50	II							
Zinc	· ND	2.0	41							
Cadmium	ND	0.50	II							
LCS (CS04678-BS1)				Prepared	& Analyze	d: 06/23/	09			
Aluminum	100	20	μg/L	100		100	80-120			
Arsenic	103	2.0	. 0	100		103	80-120			
Copper	102	1.0	11 '	100	•	102	80-120			
ron	102	50	u	100		102	80-120			
Zinc	103	2.0	17	100		103	80-120			
Cadmium	10.3	0.50	D	10.0		103	80-120			•
LCS Dup (CS04678-BSD1)				Prepared	& Analyze	d: 06/23/0)9			•
Aluminum	101	20	μg/L	100	·-	101	80-120	0.4	20	
Arsenic	105	2.0	Ħ :	100		105	80-120	2	20	
Copper	103	1.0	71	100		103	80-120	0.7	20	
ron	91.8.	50		100 .		92	80-120	10	20	
Zinc	102	2.0	u	100		102	80-120	0.3	20	
Cadmium	10.5	0.50	ŧı	10.0	-	105	80-120	2	20	
Matrix Spike (CS04678-MS1)	Sot	irce: CSF086	59-01	Prepared	& Analyze	d: 06/23/0	9			
Aluminum	123	20	μg/L	100	29.2	94	75-125			,
Arsenic	. 105	2.0		100	ND .	105	75-125			
Copper	100	1.0	u	100	0.780	99	75 - 125			
ron	465	50		100	373	91	75-125	•		
Zinc	101	2.0		100	1.77	99	75-125			
Cadmium	10.4	0.50	l)	10.0	ND	104	7 5 -125			

07/09/09 08:08

CRWQCB - Sacramento

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

Project: Walker Mine

Project Number: [none]

Project Manager: Jeff Huggins

CLS Work Order #: CSF0869

COC #: 94811,83105

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 CS04678 - EPA 3020A		_						·		
Matrix Spike (CS04678-MS2)	So	urce: CSF080	59-10	Prepared	& Analyze	ed: 06/23/	09			
Aluminum	125	20	μg/L	100	35.2	90	75-125			,
Arsenic	103	2.0	**	100	ND	103	75-125			
Copper	117	1.0	**	. 100	22.2	95	75-125			•
Iron	263	50	ш	100	177	86	75-125	•		
Zinc	98.6	2.0	Ħ	100	9.34	89	75-125			
Cadmium	10.2	0.50		10.0	ND	102	75-125			
Matrix Spike Dup (CS04678-MSD1)	Source: CSF0869-01			Prepared						
Aluminum .	123	20	μg/L	100	29.2	94	7 5- 125	0.04	25	
Arsenic	106	2.0	Iŧ.	100	ND	106	7 5-12 5	0.9	25	
Copper ·	99.3	1.0	н	100	0.780	98	75-125	I	25	
lron	449	50	τl	100	373	.76	75-125	. 3	25	
Zinc	103	- 2.0	II	100	1.77	101	75-125	2	25	
Cadmium	10.7	0.50	11	10.0	ND	107	75-125	3	25 ,	
Matrix Spike Dup (CS04678-MSD2)	Soi	urce: CSF086	59-10	Prepared	& Analyze	d: 06/23/0)9			
Aluminum	124	20	μg/L	100	35.2	88	75- 125	0.9	25	
Arsenic	- 103	2.0	0	100	ND	103	75-125	0.4	25	
Copper	116	1.0	v	100	22.2	94	75-125	0.9	25	
Iron	265	50	It	100	177	88	75-125	0.9	25	
Zinc	98.0	2.0	н	100	9.34	89	75-125	0.6	25	
Cadmium	10.2	0.50	н	10.0	ND	102	75-125	0.6	25	

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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: Jeff Huggins

CLS Work Order#: CSF0869

COC #: 94811,83105

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 CS04693 - EPA 3020A	<u> </u>									
Blank (CS04693-BLK1)				Prepared	& Analyz	ed: <u>06/24/</u>	09			
Aluminum	ND	20	μg/L							
Arsenic	ND .	5.0	11							
Copper	ND	2.0	. 11							
Iron	ND	50	н							
Zinc	ND	2.0	16							
Cadmium	ND	0.50	"			-				
LCS (CS04693-BS1)				Prepared	& Analyz	ed: 06/24/	09			
Aluminum	97.3	20	μg/L	100		97	80-120			
Arsenic	98.4	5.0	. If	100		98	80-120			
Copper ·	98.6	2.0	D	100		99	80-120	1		
Iron	101	· 50	II .	100		101	80-120			
Zinc	100	2.0	1)	100		100	80-120			
Cadmium	9.93	0.50	n	10.0		99	80-120			
LCS Dup (CS04693-BSD1)				Prepared	& Analyz	ed: 06/24/	'09			_
Aluminum	99.1	20	μg/L	100		99	80-120 .	2	20	
Arsenic	98.3	5.0	'n	100		98	80-120	0.08	20	•
Copper	104	2.0	11	100		104	80-120	5	20	
Iron	. 116	50	u J	100		116	80-120	13	20	
Zinc	102	2.0	11	100		102	80-120	. 1	20	
Cadmium	9.97	0.50	11	10.0	•	. 100	80-120	0.4	20	
Matrix Spike (CS04693-MS1)	So	urce: CSF08	69-01	Prepared	& Analyz	ed: 06/24/	09			
Aluminum	102	20	μg/L	100	6.14	96	75-125			
Arsenic	98.9	5.0		4 100	ИD	99	75-125			
Copper	95.9	2.0	n	100	0.370	96	75-125			
Iron	328	50	íi .	100	21.3	307	75-125		,	QM-
Zine	98.1	2.0	tı	100	ND	98	75-125			
Cadmium	9.75	0.50	11	10.0	ND	98	75-125			
*										

07/09/09 08:08

CRWQCB - Sacramento

11020 Sun Center Drive, Ste. 200

Rancho Cordova CA, 95670-6114

Project: \

Walker Mine

Project Number: [none]
Project Manager: Jeff Huggins

CLS Work Order#: CSF0869

COC #: 94811,83105

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 CS04693 - EPA 3020A								•		
Matrix Spike (CS04693-MS2)	Soi	arce: CSF080	69-10	Prepared d	& Analyz	ed: 06/24/	09			
Aluminum	104	20	μg/L	100	13.4	91 .	75-125			
Arsenic	98.9	5.0	†I	100	ND	99	75-125	•		
Copper	111	2.0	0	100	17.7	94	75-125			
Iron	240	50	II.	100	124	116	75-125			
Zinc	97.8	2.0	II.	100	2.64	95	75-125			
Cadmium	9.87	0.50	В	10.0	ND	99	75-125			
Matrix Spike Dup (CS04693-MSD1)	Source: CSF0869-01			Prepared &	ed: 06/24/0					
Aluminum	103	20	μg/L	100	6.14	97	75-125	I	25	
Arsenic	100	5.0	и	100	ND	100	7 5- 125	I	25	
Copper	97.7	2.0	17	100	0.370	97	75-125	2	25	
Iron	338	50	11	100	21.3	316	75-125	3	25	QM-1
Zinc	99.5	2.0	I)	100	ND	100	75-125	. 1	25	
Cadmium	10,2	0:50	н	10.0	ND	102	75-125	5	25	
Matrix Spike Dup (CS04693-MSD2)	Sou	rce: CSF086	59-10	Prepared &	ed: 06/24/0		4			
Aluminum	103	20	μg/L	100	13.4	89	75-125	2	25	
Arsenic	98.4	5.0	n	100	ND	98	75-125	0.5	25	
Copper	110	2.0	n	100	17.7	93	75-125	0.8	25	
Iron	264	50	n	100	124	140	75-125	10	25	QM-7
Zinc .	100	2.0	If	100	2.64	98	75-125	3	25	•
Cadmium	9.97	0.50	N	10.0	ND	100	75-125	1	25	•

Q & OLG

CALIFORNIA LABORATORY SERVICES

07/09/09 08:08

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

Project Number: [none]
Project Manager: Jeff Huggins

CLS Work Order #: CSF0869

COC #: 94811,83105

Notes and Definitions

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.

OM-5

The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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

CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

INSPECTION REPORT

23 October 2009

DISCHARGER:

Walker Mine

LOCATION & COUNTY:

Walker Mine, Plumas County

CONTACT(S):

None

INSPECTION DATE:

21 October 2009

INSPECTED BY:

Jeff Huggins/Dan Little

ACCOMPANIED BY:

NA

OBSERVATIONS AND COMMENTS:

Board staff performed the annual fall inspection of the Walker Mine in Plumas County as required by Walker Mine Operations and Maintenance Procedures, dated June 1997.

WALKER MINE PORTAL AREA:

The portal door at the main 700 level adit was securely locked upon our arrival. There did not appear to be any new bullet holes in the steel door that secures access to the 700 level adit nor vandalism of the portal door. A brief inspection of the Telog pressure data recorder indicated that it was recording pressure data daily as programmed.

Board staff downloaded and analyzed pressure data from the Telog data recorder during the inspection. The Telog data recorder is connected via a 2,500-foot long electronic cable to a Druck pressure sensor at the mine seal. Once per day the data recorder measures and stores an electronic current measurement (mAmps) from the Druck pressure sensor. This data is converted mathematically by Board staff to feet of pressure head on the mine seal¹. At the time of the inspection, a current measurement of 6.28 mAmps (approximately 100 feet of head over the mine seal) was recorded. A maximum pressure head of 135 feet over the mine seal was recorded from 1 July through 30 July 2009 likely due to snowmelt seepage into the mine workings.

The batteries that power the Druck pressure sensor recorder were removed and replaced with recharged batteries during this inspection. All four of the heavy-duty locks on the portal doors were securely locked upon leaving the mine portal.

The drainage channel inside the corrugated section of the mine tunnel was working effectively and was not obstructed. The drainage channel between the mine portal and the waste dump was open and flowing at about 0.5 gallons per minute. Board Staff did not perform an inspection of the mine tunnel beyond the corrugated metal pipe (187 feet into the main drift) because approximately 700 lineal feet of the suspended ventilation duct within the main mine

Approved:		٠

¹ (Note: The Druck pressure sensor is scaled to transmit 4 to 20 mAmps for 0 to 300 psi).

portal has fallen to the ground and is unusable for ventilation purposes (as reported in the 19 June 2007 inspection report). Repair of the ventilation duct is required before staff can safely inspect the mine seal.

WALKER MINE TAILINGS FACILITY:

Board staff also checked the Walker Mine tailings facility located on adjacent public lands administered by the United States Department of Agriculture Forest Service (USFS). The tailings facility represents a significant source of water pollution into both Dolly Creek and Little Grizzly Creek. Staff inspected progress on the 2009 renovations to the Dolly Creek diversion work being carried out by the USFS as required by Order No R5-00-028. Diversion of Dolly Creek off of the tailings is expected to reduce heavy metals contamination in Little Grizzly Creek.

Renovations to the diversion channel headworks were nearly complete as shown in Photos #4-12. The prior design had not worked effectively, which resulted in a significant amount of subsurface drainage from Dolly Creek passing beneath the diversion structure and making its way to the old Dolly Creek channel.

WATER QUALITY MONITORING:

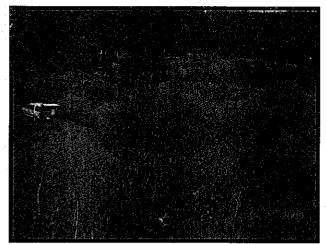
Surface water samples were collected from Dolly, Little Grizzly, Nye, and Ward Creeks. However, the south branch of Ward Creek (WM-11) and Nye Creek (WM-13) were dry and therefore no samples were collected from these locations. All of the other sample locations had sufficient surface water to sample. Laboratory results are pending.

SUMMARY:

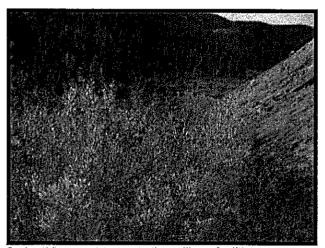
A semi annual inspection was made of the Walker Mine site. Surface water monitoring was performed and water pressure measurements on the mine seal were obtained. New batteries were installed for the data logger. Renovation work at the Dolly Creek drainage channel headworks' was nearly complete and this should reduce the volume of Dolly Creek water that comes into contact with the Walker Mine tailings facility.

RECOMMENDATIONS:

Repair of the ventilation duct is required before staff can safely inspect the mine seal that was installed by the Regional Water Board in 1987 to prevent the discharge of acid mine drainage from the underground mine to Dolly Creek. An effort to initiate a contract for repair of the ventilation ducting and some minor timber rehabilitation work was stalled by budget constraints during the spring of 2009. The mine seal and stainless steel piping and valves need to be inspected and physically tested to ensure their operability in accordance with the Board's Operations and Maintenance Plan for the Walker Mine.



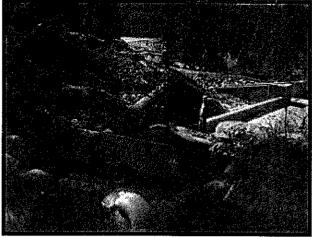
1. Walker Mine Portal Area.



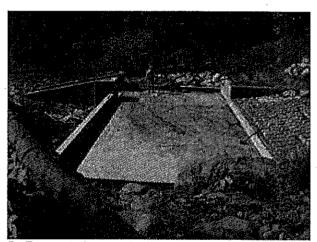
2. Looking west towards the tailings facility.



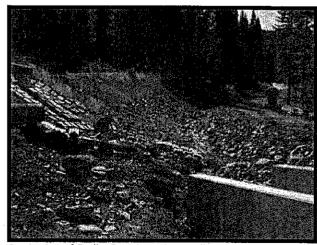
3. Sampling at Dolly Creek upstream (WM-2).



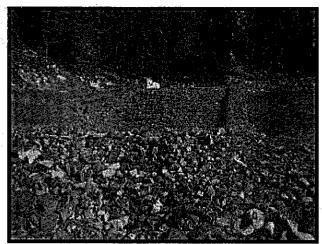
4. USFS Headworks diversion above the Walker Mine tailings facility.



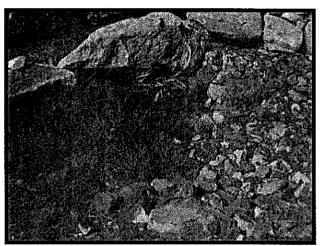
5. Renovated concrete diversion structure for Dolly Creek diversion.



6. Outlet of Dolly Creek to the realignment across the Walker Mine tailings facility.



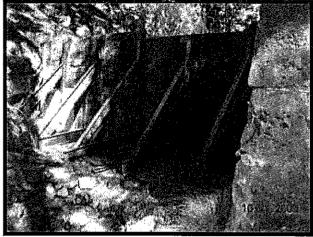
7. View of the 100 year storm emergency overflow to the old Dolly Creek channel.



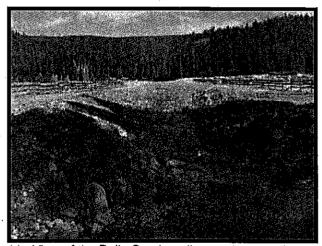
8. View of some minor subsurface underflow water seeping out at the base of the 100 year overflow.



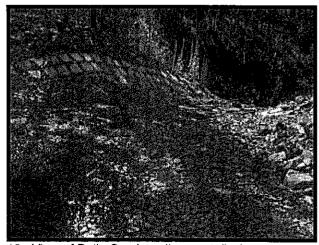
9. View of water remaining in the old Dolly Creek channel near the USFS dam.



10. View of USFS dam with virtually no overflow. Most of the Dolly Creek water volume has been successfully diverted to the diversion channel.



11. View of the Dolly Creek realignment across the Walker Mine tailings facility near junction with Little Grizzly Creek.



12. View of Dolly Creek realignment discharge structure to Little Grizzly Creek.

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



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.

,	0				1			BA1	Ī .						· 							Ī.
LOG NO. 94812	ER: T YES NO		IE SPECIAL INSTRUCTIONS	OR ALT. ID:	Need In debedran	47						INVOICE TO:			PO.#	-W-120	(b) = N ₂ S ₂ O ₃ (c) = N ₂ S ₂ O ₃	FRIE COMPANY			, Sal	
200	GEOTRACKER: EDF REPORT GLOBAL ID:	COMPOSITE:	TURN AROUND TIME	YAQ S YAQ 3 YAQ								-		-		(S) = (C)	(4) = NaOH	((Signa)			CONDITIONS / COMMENTS	AIR BILL #
WID NO.	REQUESTED	le i Ica	Anais	ग्रा त						·			•	164	D/2015 (N/2)	(1) HCL	(2) HNO ₃ (4)=				00	
5(PTOW L DEPWOOD DOWN POWER DOWN POWER	ر فيري رومز TIVES	8:9 C	7		£							-	No Water	PRESERVATIVES	DATE / TIME	0830 Bahalal			B B	ОТНЕВ
	CT_C33-150-0 DESTINATION LABORATORY CLS (916) 638-7301	3249 FITZGERALD BD. RANCHO CORDOVA, CA. 95742		CONTAINER NO. TYPE	37	r	E. C.	2	-		<i>Y</i> .	C	ţ,	ĬΜ	1 2 S S S S S S S S S S S S S S S S S S	(5)	DDINT MARKE / CORROANY	Certific Villey	1	7.	DATE/TWEP JOB	□ ups / l □ oī
	ich Valadez ey Water Board	Z	Mendera	SAMPLE SAMPLE IDENTIFICATION	-5 160/115	1-3 DC/DS	و ع	, ix		-9 Bowns Cabin	١,	- تر ا	175	9-1	+1	1 S Mid B. War		THE			(MUM)	FED X
	NAME AND ADDRESS LETTER CENTRAL VAILEY VA	1.437	JOB DESCRIPTION COLLECTION	STE LOCATION LLANCES	GAILED ROYS WM-5	Bio	CAZO WM-	F-MW GOIGI		Wids WM-9	12:10 WM-72	12,00 WM-	-MM 08:2)	12:40 WM-	1,55 WM	SUSPECTED CONSTITUENTS	BET INCHES BY ASICAL	Whs Branco	7 //	11 (11/11/11	Too William Chill	SHIPPED BY:

						~~		₽A.	1.									
29-21 LOG NO. 84178	KER: RT YES NO			ME SPECIAL INSTRUCTIONS	a	Need low defection				INVOICE TO:	2000		P.O. #		(5) = $R_2 S_2 O_3$ (7) = (6) = $R_2 S_2 O_3$	PRINT NAME / COMPANY		200
NST0804	GEOTRACKER: EDF REPORT GLOBAL ID:	COMPOSITE	FIELD CONDITIONS:	TOHN AROUND TIME	a	Jake	1							100	(4) = COLD (4) = NaOH	RECEIVED BY (SIGN)		CONDITIONS / COMMENTS:) AIR BILL #
CLEND No.;	ANALYSIS REQUESTED) Sm+21./	01. d >>0	 	- 1	Sample Mo Waste									2 0			0
(5)" " " (VATIVE	nd (500 1 600	2	2 Z	4								PHESEHVAIIVES:	DATE / TIME		3 3THER
CHAIN OF CUSTODY	CLIENT JOB NUMBER C7 - C. 35 - 150 - C DESTINATION LABORATORY	CLS (916) 638-7301 3249 HTZGERALD RD. RANCHO CORDOVA, CA. 95742	Отнея 	-	Š ģ	WHEN 3 Playing	^	AAAA				1				PRINT NAME / COMPANY, LENTEL VEILER /		ONTEL/MED 22 (D
CLS - Labs	NAME AND ADDRESS LETCIA Valade?	PROJECT MANAGER HUGGINS (916) 464-4639	1 - 21 - 6-11	STIFLOCATION PLUMES, COUNTY	DATE TIME SAMPLE IDENTIFICATION	6-21-691473 WM-13 ME Greek	ILIN WW-30	15:15 WM-10 254057								AM S. Hand BY (SIGN) PRIN	. .	SHIPPED BY: FED X

10-28-09 I5:23

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	M eth o d	Notes
WM-5 (LGC/MS) (CSJ0884-01) Water	Sampled: 10-2	1-09-08:45	Received	: 10-22-0	9 08:30	<u> </u>			
Total Alkalinity	75	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	75	5.0	11	ıt	It	II.	rt	· n	
Carbonate as CaCO3	ND	5.0	H	lt	.11	II	R	п	
Hydroxide as CaCO3	ND	5.0	l*	n	It	lt ,	lt.	п	
Chloride	0.85	0.50	n	п	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	160	1.0	μmhos/cm	п	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	a	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	16	1.0	*1	11	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	7.5	1.0	4 ,	ш	10	и .	l)	II.	•
Potassium	2.4	1.0	#	n	ıt	II	· · · · · · · · · · · · · · · · · · ·	11	
Sodium	5.0	1.0	11	11	n	II	ш	11	
Hardness as CaCO3	70	1.0	10	п	II	n	u	п	
рН	7.13		pH Units	И	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	II	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	100	10		ti	CS08084	10-23-09	10-26-09	SM2540C	
•	Sampled: 10-21-	09 09:10 1	Received:	10-22-09	08:3 0		•		
Total Alkalinity	76	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	,
Bicarbonate as CaCO3	76	5.0	n	It	II	fl	11	11	
Carbonate as CaCO3	ND	5.0	.lf	It	U	It	11	lı	
Hydroxide as CaCO3	ND	5.0	11	п	. 11	It	н	. If	
Chloride	0.70	0.50	n	†1	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	150	1.0	μmhos/cm	It	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	, и	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	16	1.0	II	п	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	9.2	1.0	H	\$I	31	li .		. и	
Potassium	1.2	1.0	. 17	11	ıi	(I	п	н :	
Sodium	3.5	1.0	u	II	It '		*1	R	
Hardness as CaCO3	77	1.0	п	IF	lr .	h	11	, 4	
pH	7.60	0.01	pH Units	tı	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	0.77	0.50	mg/L	. u	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	100	10	. 0	11	CS08084 ·	10-23-09	10-26-09	SM2540C	
		10-21-09	יים חוביוט∩	nama. 1			10 20 07		•
WM-19 (Settling Pond) (CSJ0884-03) W	vater Sampled	. 10-41-09	OZIZU KE	cerveu; 1					

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-19 (Settling Pond) (CSJ0884-03) Water	Sampled	: 10-21-09 (9:20 Red	ceived: 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	Ħ	Ir	Ħ	n	u	er	
Carbonate as CaCO3	ND	5.0	11	It	11	li	п	af.	
Hydroxide as CaCO3	ND	5.0	II	II.	Ħ	ŋ	II	11	
Chloride	0.73	0.50	II	H	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	260	1.0	µmhos/cm	II	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	It	CS08033	10-22-09 .	10-22-09	SM5540 C	
Calcium	29	1.0	ij	. It	CS08035	I 0-22 - 09	10-22-09	200.7/2340B	
Magnesium	7.8	1.0	n	It	ıt	4	17	r.	
Potassium	3.4	1.0	ц	If	D	Ħ	п	п	
Sodium	8.2	1.0	11	n	II	11	И	u	
Hardness as CaCO3	110	1.0	11	19	U	ıl	II	'n	
pH	7.29	0.01	pH Units	łı	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	11	1	CS08084	10-23-09	10-26-09	SM2540C	
WM-1 (Portal) (CSJ0884-04) Water Sampl	ed: 10-21-6	9 09:45 R	eceived: 1	0-22-09 0	8:30				
Total Alkalinity	58	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	–
Bicarbonate as CaCO3	58	5.0	H	u	п	11	u	н	-
Carbonate as CaCO3	ND	5.0	ur .	н	· B	11	ıı ıı	h	
Hydroxide as CaCO3	ND	5.0	17	Ħ	n	ı	Ħ	41	
Chloride	0.59	0.50	i1	n	CS08103	10-26-09	10 -2 6-09	EPA 300.0	
Specific Conductance (EC)	120	1.0	µmhos/cm	r	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	ıt	CS08033	10 -22 -09	10-22-09	SM5540 C	
Calcium	13	1.0	11	11	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	5.4	1.0	IF	п	и	М	U	11	
Potassium	1.0	1.0	17		It	II	ii	l)	
Sodium	5.3	1.0	u,	Ħ	tr	IS	ŧı	0	
Hardness as CaCO3	54	1.0	n	19	Ħ	ſI	п	11	
pH	7.49	0.01	pH Units	п	CS08018	10-22-09	10-22-09	SM4500-H В	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	IUS/L	u	C\$08084	10-23-09	10-26-09	SM2540C	
WM-2 (DC/MS) (CSJ0884-05) Water Sam			T			10-23-07	10-20-03	211220 100	

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-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	*1	н	W	ù	и	и	
Carbonate as CaCO3	ND	5.0	tì	li	n	n	16	и	*
Hydroxide as CaCO3	ND	5.0	41	It	и	11	ıı	H	
Chloride	0.63	0,50	łı	H	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	15 0	1.0	μmhos/cm	11	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	n	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	15	1.0	ш.	D	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	9.1	1.0	IF	υ	IT	iI	11	B	
Potassium	1.1	1.0	H	н	H	fi	lı	II.	*
Sodium	3,2	1.0	D	n	n	16	11	u .	
Hardness as CaCO3	76	1.0	n	+1	ıl	и	II.	tı	
рH	7.72	0.01	pH Units	' 0	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	ĮI.	C\$08103	10-26-09	10 - 26-09	EPA 300.0	
Total Dissolved Solids	110	10	· n	μ	CS08084	10-23-09	10-26-09	SM2540C	
WM-4 (48" Culvert) (CSJ0884-06) W	ater Sampled: 1	0-21-09 11:	30 Receiv	ved: 10-22	2-09 08:30				
Total Alkalinity	77	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	77	5,0	11	n	н	. 4	11 -	If	
Carbonate as CaCO3	ND	5.0	μ .	IJ	N	11	ti	D	
Hydroxide as CaCO3	ND	5.0	18	Ħ	If	11	tı .	d	
Chloride	0.70	0.50	n	, ti	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	150	1.0	μmhos/cm	н	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	If	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	15	1.0	lr	17	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	8.6	1.0	u	n	II .	ıı	н	IF .	
Potassium	1.1	1.0	11	, u	и.	н		D	
Sodium	3.4	1.0	. 0	, 11	11	II.	ď	n	
Hardness as CaCO3	73	1.0	11	N	If	10	II	fi	
На	7.71	0.01	pH Units	n	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	0.82	0.50	mg/L	'n	CS08103	10-26-09	10-26-09	EPA 300.0	
							10 05 00	03.605.400	
Total Dissolved Solids	100	10	IF	#1	CS08084	10-23-09	10-26-09	SM2540C	

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

CLS Work Order #: CSJ0884 Project Manager: Jeff Huggins

COC #: 94812,84178

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	n Batch	Pr e pared	Analyzed	Method	Notes
WM-9 (Browns Cabin) (CSJ0884-07) Water	Sampled:	10-21-09	11:45 Rec	eived: 10)-22-09 08:	30 .	4		
Total Alkalinity	75	5.0	mg/L	1	C\$08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	75	5.0	fi	IP .	u	"	н	I†	
Carbonate as CaCO3	ND	5.0	Ħ	IF '	ij	11	· п	lt .	
Hydroxide as CaCO3	ND	5.0	11	11	ti .	"	ţį .	H	•
Chloride	0.81	0.50	Ħ	. 16	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	19	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	20	1.0	11	H	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	.7.2	1.0	II	п	N .	11	u	Ħ	
Potassium	2.1	1.0	If	и	ut .	st ,	. 11	1 1 .	
Sodium	4.8	1.0	If	II.	*	11	11	п	
Hardness as CaCO3	80	1.0	0 .	11	1)	If	Я	я	
pH	7.77	0.01	pH Units	11	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	12	0.50	mg/L	11	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	110	10	71	u	CS08084	10-23-09	10-26-09	SM2540C	
WM-7a (CSJ0884-08) Water Sampled: 10-2	21-09 12:10	Received	l: 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	и	ø	, II	11	(I	. H	
Carbonate as CaCO3	ND	5.0	н .	n n	19	, b	ti .	и .	
Hydroxide as CaCO3	ND	5.0	0	11	W .	n .	и .	ıt .	4
Chloride	0.73	0.50	ti	1.0	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	150	1.0	μmhos/cm	11	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	11	CS08033	10-22-09	10 -22- 09	SM5540 C	•
Calcium	16	1.0	u	. В	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	8.5	1.0	и .	IJ	11	If	. 41	1)	
Potassium	1.2	1.0	ļ.	II	n	n		й	
Sodium	3.7	1.0	н	11	Ŋ	. 11	11	н	
Hardness as CaCO3	75	1.0	11	tt	u	. 11	. 0	и	
pH	7.93	0.01	pH Units	H	CS08018	10-22-09	10-22-09	SM4500-H B	HT-I
Sulfate as SO4	1.3	0.50	mg/L	ĮI.	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	100	10	ıt.	ŗı	CS08084	10-23-09	10-26-09	SM2540C	
WM-7b (CSJ0884-09) Water Sampled: 10-			a: 1ó-22-09	08:30					

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

Amaluka	Result	Reporting	Linita	Dilution	Batch	Drangrad	Amalumad	Mathad	Moto
MM-7b (CSJ0884-09) Water S	-	Limit	Units		- Dateil	Prepared	Analyzed	Method 	Note
						· · ·	<u> </u>		
Total Alkalinity	76	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	76	5.0	14	11	it 1t	fi .	n 	" "	
Carbonate as CaCO3	ND	5.0	11	# II	"	11	"	n H	
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 s ND		μmhos/cm	II	CS08034	10-22-09	10-22-09	EPA 120.1 SM5540 C	
Methylene Blue Active Substances		0.10	mg/L	n '	CS08033	10-22-09	10-22-09	200.7/2340B	
Calcium	20	1.0	13	 H	CS08035	10-22-09	10-22-09	200.772340B	
Magnesium	6.2	1.0	11	" JI •	11	11	"		
Potassium Sodium	2.3	1.0 1.0	4	11	" ·		"	"	
	5.3	1.0	'n	,, 11				II	
Hardness as CaCO3	75)t		10.00.00		SM4500-H B	нт-
pH	7.32	0.01	pH Units	ir	CS08018	10-22-09	10-22-09	EPA 300.0	111-
Sulfate as SO4	12 110	0.50 10	mg/L	" It	CS08103	10-26-09	10-26-09	SM2540C	
Total Dissolved Solids				1	CS08084	10-23-09	10-26-09	314123400	
WM-7c (CSJ0884-10) Water S	ampled: 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	†I	17	11	II.	IJ	If	
Carbonate as CaCO3	ND	5.0	11	li	Ħ	IJ	ij	ti	
Hydroxide as CaCO3	ND	5.0	II		II	11	п	"	
Chloride	0.75	0.50	l†	11	CS08103	10-26-09	10-26-09	EPA 300,0	
Specific Conductance (EC)	150	1.0	μmhos/cm	H-	CS08034	10-22 - 09	10-22-09	EPA 120.1	•
Methylene Blue Active Substances	s ND .	0.10	mg/L	11	CS08033	10-22 - 09	10-22-09	SM5540 C	
Calcium	16	1.0	υ.	. "	CS08035	10-22-09	10-22-09	200.7/2340B	•
Magnesium	8.2	1.0	u	†I	31	. #	ij	ħ	
Potassium	1.3	1.0	, II,	†I	11	I,	B	1 1	
Sodium	3.7	1.0	n	11	. 11	. 11	и.	¢1	•
Hardness as CaCO3	72	1.0	и	, It	II	ĮĮ	ù	H	
pH	7.85	0.01	pH Units	17	CS08018	10-22-09	10-22-09	SM4500-H B	HT-
Sulfate as SO4	1.4	0.50	mg/L	11	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	100	10	n		CS08084	10-23-09	10-26-09	SM2540C	
WM-6 (CSJ0884-11) Water Sa	mpled: 10-21-09 12:40	Received:	10-22-09	08:30					

10-28-09 15:23

CRWQCB - Sacramento

I 1020 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		, <u> </u>			
Total Alkalinity	. 77	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	77	5.0)tr	II .	lt	II	II	И	
Carbonate as CaCO3	ND	5.0	II		90 -	u		. и	
Hydroxide as CaCO3	ND	5.0	li .	. 0	Ħ	· a	lt.	H	
Chloride	1.1	0.50	11	6 i II	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	260	1.0	μmhos/cm	· п	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	II	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	31	1.0	#1	. 11	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	8.8	1.0	u	и .	lt	и,	a	U	
Potassium	6.2	1.0		ď	μ ·	II	(I	II.	
Sodium	5.0	1.0	11	ø.	IP	a	u	U	
Hardness as CaCO3	110	1.0	n	п	P.	u .	. 11		
pH	7.79	0.01	pH Units	п	CS08018	10-22-09	10-22-09	SM4500-H В	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	11	. 1	CS08084	10-23-09	10-26-09	SM2540C	
WM-12 (Mid B. Ward) (CSJ0884-12) W	ater Sampled	: 10-21-09	14:00 Re	ceived: 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	u	ď	н	. "	11		
Carbonate as CaCO3	ND	5.0	n	ц	D .	U	11	11	
Hydroxide as CaCO3	ND	5.0	ч	tı	IJ	11	11	И	
Chloride	0.54	0.50	R	11	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	30	1.0	μmhos/cm	, 11	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	Iţ	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	3.0	1.0	Ħ	tr.	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	1.3	1.0		ţı	R	. #	u	II.	
Potassium	ND	1.0	Ħ	, ti	, и	ıt	Ħ	et .	
Sodium	1.2	1.0	It	11	71	U	11	ď	
Hardness as CaCO3	13	1.0	It	II	н	11	μ	и	
р Н	6.21	0.01	pH Units	h	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	If	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	23	10	u u	It	CS08084	10-23-09	10-26-09	SM2540C	
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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-17 (NBWC) (CSJ0884-13) Water	Sampled: 10-2	1-09 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	ıt	19	**	B .	ŋ	If	
Carbonate as CaCO3	ND	5.0	I.f	If	If	B	11	IT	
Hydroxide as CaCO3	ND	5.0	" .	ıt	If	ıt	u	l†	
Chloride	0.63	0.50	II.	u	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	160	1.0	μmhos/cm	14	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	It	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	18	1.0		I f .	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	8.3	1.0	ır	19	15	P	11	n'	
Potassium	1.8	1.0	11	If	11 .	t!	fi	n	
Sodium	3.8	1.0	ıt	If	11	II	ij	и .	
Hardness as CaCO3	79	1.0	t)	17	п	q.	11	II .	
р Н	7.86	0.01	pH Units	ıŧ	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	0.61	0.50	mg/L	0	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	110	10	11	a ·	CS08084	10-23-09	10-26-09	SM2540C	
WM-20 (Far West) (CSJ0884-14) Water	r Sampled: 10	-21-09 14:5	0 Receive	d: 10-22-0	09 08:30				
Total Alkalinity	. 77	5.0	. mg/L	I	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	77	5.0	ti .	н	11	ĸ	ır	R	
Carbonate as CaCO3	ND	5.0	11	н	и	U)ı	.n	
Hydroxide as CaCO3	ND	5.0	u	И	'u	Ŋ	U	н	
Chloride	0.88	0.50	tt.	II	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	180	1.0	μmhos/cm	ŧı	CS08034	10-22-09	10-22-09	EPA 120.1	•
Methylene Blue Active Substances	ND	0.10	mg/L	u	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	20	1.0	п	0	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	5.8	1.0	.10	h	И	Iţ	u u	91	
Potassium	2.1	1.0	н	H	ii .	u	'n	Ħ	
Sodium .	8.6	1.0	U	ĸ	η,	tı	u	ц	
Hardness as CaCO3	75	1.0	п	tt.	n ,	11	tı	ıt	
pH	7.91	0.01	pH Units	II	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	13	0.50	mg/L	u'	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	120	10	11		CS08084	10-23-09	10-26-09	SM2540C	
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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-10 (25N05Y) (CSJ0884-15) Water	Sampled: 10-2	21-09 15:15	Received	: 10-22-0	9 08:30	•			
Total Alkalinity	79	5.0	mg/L	1	CS08041	10-22-09	10-22-09	SM2310B	
Bicarbonate as CaCO3	79	5.0	11.	n	ti	II	H	și	
Carbonate as CaCO3	ND	5.0	11	1)	H .	If	Ħ	Ц	
Hydroxide as CaCO3	ND	5.0	11	1)	16	P	n	If	
Chloride	0.81	0.50	If	D.	CS08103	10-26-09	10-26-09	EPA 300.0	
Specific Conductance (EC)	i7 0	1.0	μmhos/cm	11	CS08034	10-22-09	10-22-09	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	21	CS08033	10-22-09	10-22-09	SM5540 C	
Calcium	22	1.0	n	11	CS08035	10-22-09	10-22-09	200.7/2340B	
Magnesium	5.3	1.0	īl	. 11	11 .	II	TI	. 11	
Potassium	1.4	1.0	11	· It	, a	II	ti ti	н	
Sodium	5.8	1.0	h	17	11	. н	Ħ	II.	•
Hardness as CaCO3	78	1.0	, II	0	If .	. 11	If	n	
pH	7.88	0.01	pH Units	n	CS08018	10-22-09	10-22-09	SM4500-H B	HT-F
Sulfate as SO4	7.7	0.50	mg/L	11	CS08103	10-26-09	10-26-09	EPA 300.0	
Total Dissolved Solids	100	10	n	11	CS08084	10-23-09	10-26-09	SM2540C	

CA DOHS ELAP Accreditation/Registration Number 1233

Fax: 916-638-4510

10-28-09 15:23

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project Number: 07-023-150-0 Project Manager: Jeff Huggins

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM-5 (LGC/MS) (CSJ0884-01) Water	Sampled: 10-2	1-09 08:45	Receive	d: 10-22-0	9 08:30				
Aluminum	ND	20	μg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	H .	n ,	H	. ti	h	If	
Copper	, ND	1.0	H	19	n	ţ1	H	H.	
Iron	540	250	H	5	11	n	п	H	
Zinc	ND	2.0	H	1	*1	ti	. 17	U	
Cadmium	ND	0.5 0	H	D	11	11	Ił	II	
WM-3 (DC/DS) (CSJ0884-02) Water S	Sampled: 10-21-	09 09:10 R	leceived:	10-22-09	08:30				
Aluminum	21	20	μg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arseni c	ND	2.0	21	31	н	If	Ħ	n 11	
Copper ,	4.6	1.0	11	11	u .	, u	11	H	
Iron	400	100	и	. 2	II .	11	h ,	If	
Zine	ND	2.0	И	1	D.	†1	10	II.	
Cadmium	ND	0.50	. 14	li	ų)	11	11	Ð	
WM-19 (Settling Pond) (CSJ0884-03) W	ater Sampled	: 10-21- 09 0	9:20 R	eceived: 10)-22-09 08:	30			
Aluminum	190	20	μg/L	1	C\$08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	31	er '	11	H	ħ,	н .	
Copper .	990	5.0	H	5	1)	tı	I) :	jt.	
Iron	410	250	и -	#1	Ŋ	11	n)r	
Zinc	84	2.0	н .	1	п		11	n	
Cadmium	0.69	0.50	lı .	· II	u	ıı	It	II .	
WM-1 (Portal) (CSJ0884-04) Water S	ampled: 10-21-0	9 09:45 R	eceived:	10-22-09 0	8:30			,	
Aluminum	ND	20	μg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	8.8	2.0	81 ·	0	11	31	0	61	
Copper	92	1.0	11	ęı	u	11	11	11	
Iron	52	50	N	· . #	ti	, N	71	п	
Zinc	18	2.0	, n .	и	. 31	h	If);	
Cadmium	ND	0.50	11	и	. If	lı	'n	IJ	
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	н	. "	71	11	17	. 4	
Copper	ND	1.0	H	I)	ly .		I)	11	
Iron	60	50	14	н)t	ıt	19	ıı .	

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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

			Reporting		_	.				
Analyte		Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-2 (DC/MS) (CSJ0884-05)) Water	Sampled: 10-21-0	9 10:00 I	Received	: 10-22-09	08:30	-			
Zinc		2.6	2.0	μg/L	1	CS08066	ц.	10-23-09	EPA 200.8	
Cadmium		ND	0.50	19	II	It	11	It	ħ,	
WM-4 (48" Culvert) (CSJ088-	4-06) Wat	er Sampled: 10-	21-09 11:3	30 Rece	ived: 10-22	2-09 08:30				
Aluminum		ND	20	μg/L	1	C\$08066	10-23-09	10-23-09	EPA 200.8	
Arsenic		ND	2.0	ц	Ð	It	u u	'n	11	
Copper ·		7.9	1.0	IJ	n	It ·	a	n	lt	•
Iron		25 0	100	11	2	n	11	D	If	
Zinc		3.1	2.0	11	1	D	11	IJ	17	
Cadmium		ND	0.50	111	н	n	11	ш	II	
WM-9 (Browns Cabin) (CSJ0	884-07) W	ater Sampled:	10-21-09 1	1:45 Re	eceived: 10	-22-09 08:3	30			1
Aluminum		ND	20	μg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic		ND	2.0	11	II.	lt '	it	I)	. "	
Copper		4.9	1.0	Iŧ	I†	п	JI	Ð	И	
Iron		530	250	13	5	II .	u	tt ,	17	•
Zinc		ND	2.0	11	1	ır	H .	Ð	It	
Cadmium		ND	0.50	11	U	ır	'n	n	II	
WM-7a (CSJ0884-08) Water	Sampled	: 10-21-09 12:10	Received:	10-22-0	9 08:30					
Aluminum		ND	20	μg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic		ND	2.0	17	. 0	. 9	II	11	Ŋ	
Copper		16	1.0	11	u	н	И	n	. "	
Iron		450	250	9	5	И	Н	11	II	
Zinc	•	2.9	2.0	Ħ	. 1	и	I)	11	ų	
Cadmium		ND	0.50	П	и	μ .	n.	ıí	11	
WM-7b (CSJ0884-09) Water	Sampled	: 10-21-09 12:20	Received	: 10-22-0	9 08:30			•		
Aluminum		. ND	20	μg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic		ND	2.0	Ħ	U	ır	II	11	. 11	
Copper		ND	1.0	it	. 0	I†	n	• 0	И	
Iron		760	250	H	5	¥ .		n	н .	
Zinc		ND	2.0	11	1	n ·	ii	11	н	
Cadınium		ND .	0.50	n	ti.	71	H	11	. "	
WM-7c (CSJ0884-10) Water	Sampled	: 10-21-09 12:30	Received:	10-22-0	9 08:30				·	
Aluminum		39	20	μg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	

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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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
WM-7c (CSJ0884-10) Water	Sampled: 10-21-09 12:30	Received	10-22-0	9 08:30					
Arsenic	ND	2.0	μg/L	1	CS08066	st	10-23-09	EPA 200.8	
Copper	14	1.0	11	и.	P	(1	н	II	
Iron	340	100	. 0	. 2	ıt	†I	U	II .	
Zine	3.0	2.0	n	1	п	Ħ	n	II.	
Cadmium	ND	0.50	. "		11	ti	10	P	
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	tt.	#1	11	н	1)	h	
Copper	48	1.0	ti	11	. н	ìi	H	и .	
Iron	610	250	I†	. 5	н	н	II	Ħ	
Zinc	54	2.0	н	1	It	\$I	U	П	
Cadmium	ND	0.50	D	in 1	II	st	11	if .	
WM-12 (Mid B. Ward) (CSJ	0884-12) Water Sampled:	: 10-21-09 1	4:00 R	eceived: 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	lı	. 11	II	ţf.	11	. 19	
Copper	3.7	1.0	l)	ĸ	pi	ıt	Ħ	II	
Iron	ND	50	lı	н	If	ıt	al .	11	
Zinc	ND	2.0	u	If	. 11	. н.		K	
Cadmium	ND	0.50	ii.	If	"	II	11 ,	· n	
WM-17 (NBWC) (CSJ0884-1	13) Water Sampled: 10-21	1-09 14:20	Receive	d: 10-22-09	08:30				
Aluminum	ND	20	μg/L	i	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	· ND	2,0		It	u	0	It .	11	
Copper	ND	1.0	п		u	\$1	II	n	
Iron	· ND	50	II	IF	n	11	. 0	, u	
Zinc	ND	2.0	ıt	B	н	H .	n	19	
Cadmium	ND	0.50	I)	Iŝ	It	H	n	11	
WM-20 (Far West) (CSJ0884	4-14) Water Sampled: 10-	21-09 14:50	Receiv	ved: 10-22-	09 08:30				
Aluminum	ND	20	μg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Alumnum		2.0	н	ů.	ti	11)I	11,	
Arsenic	ND	, 2.0							
	ND 3.9	1.0	I†	Ħ	Ŋ	11	II	ĸ	
Arsenic	·	•	I† I)	11	H H	11 11	B	rs It	

10-28-09 15:23

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

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

CLS Work Order #: CSJ0884

COC #: 94812,84178

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-20 (Far West) (CSJ0884-14) Water	Sampled: 10	-21-09 14:50	Receiv	ed: 10-22-	09 08:30				
Cadmium	ND	0.50	μg/L	1	CS08066	ti	10-23-09	EPA 200.8	•
WM-10 (25N05Y) (CSJ0884-15) Water	Sampled: 10-2	21-09 15:15	Receive	d: 10-22-0	9 08:30				
Aluminum	ND	20	μg/L	1	CS08066	10-23-09	10-23-09	EPA 200.8	
Arsenic	ND	2.0	It	If	II	II.	Ħ	1(
Copper	. 2.2	1.0	IŤ	l†	u,	0 .	II.	Ü	
Iron	ND	50	U	l†	U	11	tı	. It	
Zinc	ND	2.0	ti .	D.	u	ii.	ti	Iţ	
Cadmium	ИD	0.50	U	11	и .		0.	It.	

10-28-09 15:23

CRWOCB - 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.

Metals (Dissolved) by EPA 200 Series Methods

	_								
Analyte	Result	Reporting Limit	Units	Dilution	n Batch	Prepared	Analyzed	Method	. Not
WM-5 (LGC/MS) (CSJ0884-01) Water	Sampled: 10-2	21-09 08:45	Received	: 10-22-	09 08:30				
Aluminum	28	20	μg/L	1	Č\$08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	#)	n	Ħ	it	0 -	O	
Copper	ND	2.0	Ð	n	ti	И	0	0	٠
(ron	260	100	D	2	и	и	n .	• "	
Zinc	2.4	2.0	u	1	11 .	it	n	O	
Cadmiu m	ND	0.50	· u	n	n	lt	0)i	
WM-3 (DC/DS) (CSJ0884-02) Water S	Sampled: 10-21-	09 09:10 F	Received: 1	0-22-09	08:30				
Aluminum	ND	20	μg/L	İ	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	В	0	O O	11	ัน	u ·	
Copper	2.9	2.0	14	. "	11	"	n	U	
fron .	190	50	A	n	Ħ	tt	и	II	
Zinc	2.2	2.0	H	n .	Ħ	и	u,	U,	
Cadmium	ND	0.50	H	ti .	u .	ti	ni .	0	
WM-19 (Settling Pond) (CSJ0884-03) W	ater Sampled	i: 10-21-09 (9:20 Red	eived: 1	0-22-09 08:	30			
Aluminum	ND	20	μg/L	1	CS08101	10-26-09,	10-26-09	EPA 200.8	
Arsenic	ND	5.0	. 0	ti .	. 11	ÌI	"	0	•
Copper	520	2.0	θ	11	н	H	n	ţĺ	
ron	ND	50	si	11	11	u	h	ti	
Zinc	00								
•	. 80	2.0	2)	IJ	lf	st.	н .	11	
Cadmium	0.54	2.0 0.50	n .	11	íf íf	B '	ti .	И	
	0.54	0.50	и .		lf .				
WM-1 (Portal) (CSJ0884-04) Water S	0.54	0.50	и .		lf .				
WM-1 (Portal) (CSJ0884-04) Water Statuminum	0.54 ampled: 10-21-(0.50 09 09 :45 R	eceived: 1	0-22-09	08:30	н ,	,11	н	
WM-1 (Portal) (CSJ0884-04) Water Sa Aluminum Arsenic	0,54 ampled: 10-21-0 ND	0.50 09 09:45 R 20	eceived: 1 µg/L	0 -22- 09 (08:30 CS08101	10-26-09	10-26-09	EPA 200.8	
WM-1 (Portal) (CSJ0884-04) Water Sa Aluminum Arsenic Copper	0.54 ampled: 10-21-(ND 8.9	0.50 09 09:45 R 20 5.0	eceived: 1 µg/L	0-22-09 (08:30 CS08101	10-26-09	10-26-09	EPA 200.8	
WM-1 (Portal) (CSJ0884-04) Water Sa Aluminum Arsenic Copper	0.54 ampled: 10-21-0 ND 8.9 79	0.50 09 09:45 R 20 5.0 2.0	eceived: 1 µg/L "	0-22-09 (08:30 C\$08101	10-26-09	10-26-09	EPA 200.8	
WM-1 (Portal) (CSJ0884-04) Water Sa Aluminum Arsenic Copper fron Zinc	0.54 ampled: 10-21-6 ND 8.9 79 ND	0.50 09 09:45 R 20 5.0 2.0 50	eceived: 1 µg/L " " "	0-22-09 (08:30 C\$08101	10-26-09	10-26-09	EPA 200.8	· · · · · ·
WM-1 (Portal) (CSJ0884-04) Water Sa Aluminum Arsenic Copper Gron Zinc Cadmium	0.54 ampled: 10-21-(ND 8.9 79 ND 18 ND	0.50 09 09:45 R 20 5.0 2.0 50 2.0 0.50	eceived: 1	0-22-09	O8:30 CS08101	10-26-09	10-26-09	EPA 200.8	
WM-1 (Portal) (CSJ0884-04) Water Sa Aluminum Arsenic Copper Iron Zinc Cadmium WM-2 (DC/MS) (CSJ0884-05) Water	0.54 ampled: 10-21-(ND 8.9 79 ND 18 ND	0.50 09 09:45 R 20 5.0 2.0 50 2.0 0.50	eceived: 1	0-22-09	O8:30 CS08101	10-26-09	10-26-09	EPA 200.8	
WM-1 (Portal) (CSJ0884-04) Water Sa Aluminum Arsenic Copper Iron Zinc Cadmium WM-2 (DC/MS) (CSJ0884-05) Water	0.54 ampled: 10-21-(0.50 09 09:45 R 20 5.0 2.0 50 0.50 -09 10:00	eceived: 1	0-22-09 (08:30 C\$08101 "" "" " " " 0 08:30	10-26-09 " " " "	10-26-09	EPA 200.8	· · · · · ·
Cadmium WM-1 (Portal) (CSJ0884-04) Water Saluminum Arsenic Copper Iron Zinc Cadmium WM-2 (DC/MS) (CSJ0884-05) Water Aluminum Arsenic Copper	0.54 ampled: 10-21-6 ND 8.9 79 ND 18 ND Sampled: 10-21	0.50 09 09:45 R 20 5.0 2.0 50 0.50 -09 10:00 1	eceived: 1	0-22-09 (1 " " " " 10-22-05	08:30 C\$08101 "" "" " 0 08:30	10-26-09	10-26-09	EPA 200.8	

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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

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
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	И	10-26-09	EPA 200.8	
Cadmium	ND	0.50	ti	. 11	11	ų	н	II	
WM-4 (48" Culvert) (CSJ0884-06) W	ater Sampled: 10	-21-09 11:	30 Recei	ived: 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	II.	li	11	я .	li	11	
Copper	6.0	2.0	ır .	II	#1	11	н	11	
Iron .	130	50	II	II	n	11	Ü	19	
Zinc	ND	2.0	n.	स	н	11	16	ņ	
Cadmium	ND	0.50	IT	11	**	11	it	ti	
WM-9 (Browns Cabin) (CSJ0884-07)	Water Sampled:	10-21-09 1	1:45 Re	ceived: 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	If	tı	*1	Ħ	ir	11	•
Copper	3.6	2.0	l†	. 11	II	11	II	, 11	
Iron	320	100	17	2	я	11	II		
Zinc	ND	2,0	It	1	11	. H	и	,R	
Cadmium '	ND	0.50	ı,	11	**	11	R	ıf	
WM-7a (CSJ0884-08) Water Sampl	ed: 10-21-09 12:10	Received	: 10-22-0	9 08:30					
Aluminum	ND	20	μg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	н	II	lf .	If	β	li.	
Copper	13	2.0	'n	If	H	IŤ	ıı	It	
Iron	330	100	Ħ	2	ıf	lf	ij	Iţ	
Zinc	6.4	2.0	н .	1	11	If	я	li	
Cadmium	. ND	0.50	Ħ	If	Įŧ.	li	. 11	, II	
WM-7b (CSJ0884-09) Water Sampl	led: 10-21-09 12:20	Received	: 10-22-0	9 08:30			·		
Aluminum	ND	20	μg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	11	a a	п	11 ·	#	II	
Copper	ND	2.0	. п	11,	и ,	11 .	41	H	
Iron	420	250	H	5	II	li	11	II	
Zinc	ND	2.0	ц	1	fI	И	11	II	
Cadmium	ND	0.50	II.	ш.,	ti .	ıı		II	
WM-7c (CSJ0884-10) Water Sample	ed: 10-21-09 12:30	Received	: 10-22-0	9 08:30					
Aluminum	ND	20	μg/L	1	CS08101	10-26-09	·10 -26- 09	EPA 200.8	

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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

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
WM-7c (CSJ0884-10) Water	Sampled: 10-21-09 12:30	Received:	10-22-0	9 08:30					
Arsenic	ND	5.0	μg/L	1	CS08101	u	10-26-09	EPA 200.8	
Copper	11	2.0	. 16	n	u	u .	*1	н .	
Iron	250	100	н	2	ų	l;	u	11	
Zinc	2.9	2.0	If	1	D.	U.	n	п	
Cadmium	ND	0.50	n	n	u	ij	ı¢	ч	
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	n	11	14	IT	14	Ħ	
Copper	22	2.0	и	ų		IT	u	Ħ	
iron	56	50	t)	Ħ	lt.	ii.	n	n	
Zinc	45	2.0	n	71	lf .	, tr	n	n	
Cadmium	ND	0.50	a	Ħ	п	ır	11	α .	
WM-12 (Mid B. Ward) (CSJ	0884-12) Water Sampled	: 10-21-09 1	4:00 Re	ceived: 10	22-09 08:	30			
Aluminum	ND	20	μg/L	· I	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	в	71	n n	, IT	и .	n	
Copper	3.1	2.0	ч	μ	17	l7	It	n.	
ron	ND	50	11	lf	, If	n ·	IJ	n	
Zine	2.5	2.0	H	٠ ١١	H	'n	17	. 1	
Cadmium	ND	0.50	11	н	If "	ly	l†	11	
WM-17 (NBWC) (CSJ0884-1	13) Water Sampled: 10-21	1-09 14:20	Received	i: 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	τl	11	h	В	n	п	
Copper	ND	2.0	. и	в	u	B	ti	q	
ron	ND	50)¢	lı .	u	B	n	n	
Zinc	ND	2.0	IŤ	u	· · · · · · · · · ·	u	, si	tt	•
Cadmium	ND	0.50) f	u	ti	ú	n	n	
WM-20 (Far West) (CSJ0884	4-14) Water Sampled: 10-	21-09 14:50	Receiv	'ed: 10-22-0	09 08:3 0	_			•
Aluminum	ND	20	μg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	n	Ħ	11	ti	11	11	
Copper	2.9	2.0	п	ji	h	11	11	Ħ .	
Iron	ND	50	n	и	lţ	11	11	11	
Zinc	ND	2,0		π	H	H	Ħ	н .	

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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

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
WM-20 (Far West) (CSJ0884-14) Water	Sampled: 10	-21-09 14:50	Receiv	ed: 10-22-0	09 08:30				
Cadmium	ND	0.50	μg/L	1	CS08101	ħ	10-26-09	EPA 200.8	
WM-10 (25N05Y) (CSJ0884-15) Water	Sampled: 10-	21-09 15:15	Receive	d: 10-22-0	9 08:30				
Aluminum	ND	20	μg/L	1	CS08101	10-26-09	10-26-09	EPA 200.8	
Arsenic	ND	5.0	11	11	rı	ù	O.	II .	
Copper	ND	2.0	II	11	ti .	II	II.	, II	
Iron	. ND	50	. 0	11	ti .	11	II.	п	
Zinc	ND	2.0	ti	N .	11	n	0	II	
Cadmium	ND	0.50	H	II .	n	11	Ü	, n	

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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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CS08033 - General Preparation						N.	,			
Blank (CS08033-BLK1)				Prepared	& Analyze	ed: 10-22-	09			
Methylene Blue Active Substances	ND	0.10	mg/L	_	-				-	
LCS (CS08033-BS1)		4		Prepared	& Analyze	ed: 10-22-	09			
Methylene Blue Active Substances	0.480	0.10	mg/L	0.500		96	80-120			•
LCS Dup (CS08033-BSD1)				Prepared	& Analyze	ed: 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)	So	urce: CSJ08	84-01	Prepared	& Analyze	ed: 10-22-	09			
Methylene Blue Active Substances	0.500	0.10	mg/L	0.500	ND	100	75-125			
Matrix Spike Dup (CS08033-MSD1)	So	urce: CSJ08	84-01	Prepared	& Analyze	d: 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	& Analyze	ed: 10-22-	09			
Specific Conductance (EC)	ND	1.0	μmhos/cm	1				_,		
Batch CS08035 - 6010A/No Digestion				•						
Blank (CS08035-BLK1)				Prepared	& Analyze	ed: 10-22-	09			
Calcium	ND	1.0	mg/L						-	
Magnesium	ND	1.0	H							
Potassium	ND	1.0	· · · if							
Sodium	ND	1.0	IT							
Hardness as CaCO3	ND	1.0	lf .							

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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

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	& Analyze	ed: 10-22-	09			
Calcium	9.56	1.0	mg/L	0.01		96	80-120			
Magnesium	12.7	1.0	11	12.0		106	80-120			
Potassium	9.73	1.0	. 11	10.0		97	80-120			
Sodium	11.5	1.0	Ħ	10.0		115	80-120			
LCS Dup (CS08035-BSD1)				Prepared	& Analyz	d: 10-22-	09			
Calcium	9.65	1.0	mg/L	10.0		97	80-120	1	20	
Magnesium	12.8	1.0	14	12.0		107	80-120	- 0.8	20	
Potassium	9.82	1.0.	19	10.0		98	80-120	1	20	
Sodium .	11.6	1.0	II.	10.0		. 116	80-120	1	20	
Matrix Spike (CS08035-MS1)	So	urce: CSJ088	34-01	Prepared	& Analyzo	ed: 10-22-	09			
Calcium	26.1	1.0	mg/L	10.0	15.5	105	75-125			
Magnesium	20.8	1.0	II	12.0	7.49	111	75-125			
Potassium	12.7	1.0	II .	10.0	2.42	103	75-125			
Sodium	17.7	1.0	II	10.0	4.96	127	75-125			QM-7
Matrix Spike Dup (CS08035-MSD1)	So	urce: CSJ088	34-01	Prepared	& Analyz	ed: 10-22-	09			
Calcium	26.9	1.0	mg/L	10.0	15.5	113	75-125	3	25	
Magnesium	22.2	1.0.	11	12.0	7.49	123	75-125	7	25	
Potassium	13.7	0.1	* IF	10.0	2.42	112	75-125	7	25	
Sodium	18.3	1.0	It	10.0	4.96	133	75-125	3	25	QM-7
Batch CS08041 - General Preparation								_		·
Blank (CS08041-BLK1)				Prepared	& Analyz	ed: 10-22-	09			
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	π							
Carbonate as CaCO3	ND	5,0	**							
Hydroxide as CaCO3	ND	5.0	· tr					•		

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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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CS08041 - General Preparation										
Duplicate (CS08041-DUP1)	Soi	arce: CSJ088	4-01_	Prepared a	& Analyze	d: 10-22-	09		_	
Total Alkalinity	75.4	5.0	mg/L		74.8			0.8	20	
Bicarbonate as CaCO3	75.4	5.0	IJ		74.8			8.0	20	
Carbonate as CaCO3	ND	5.0	19		ND				20	
Hydroxide as CaCO3	ND	5.0	!f		ND				20	
Batch CS08084 - General Preparation					•					
Blank (CS08084-BLK1)				Prepared:	10-23-09	Analyzed	l: 10 - 26-09)		·
Total Dissolved Solids	ND	10	mg/L							
Duplicate (CS08084-DUP1)	Soi	urce: CSJ088	4-01	Prepared:	10-23-09	Analyzed	l: 10-26-09)	· ·	
Total Dissolved Solids	96.0	10	mg/L		101			5	20	
Batch CS08103 - General Prep										
Blank (CS08103-BLK1)				Prepared a	& Analyze	d: 10-26-0	09			
Chloride	ND	0.50	mg/L							
Sulfate as SO4	ND	0.50	ij							
LCS (CS08103-BS1)	·			Prepared a	& Analyze	d: 10-26-0	09			
Chloride	1.92	0.50	mg/L	2.00		96	80-120			
Sulfate as SO4	5.19	0.50	, fi	5.00		104	80-120			
LCS Dup (CS08103-BSD1)				Prepared of	& Analyze	d: 10-26-0	09			
Chloride	1.95	0.50	mg/L	2.00		97	80-120	2	20	
Sulfate as SO4	5.26	0.50	lt	5.00		105	80-120	1	20	

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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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CS08103 - General Prep		· 								
Matrix Spike (CS08103-MS1)	Sou	rce: CSJ088	34-01	Prepared	& Analyze	ed: 10-26-	09		•	
Sulfate as SO4	5.50	0.50	mg/L	5.00	ND	110	75-125			
Chloride	2.71	0.50	n	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	10	5.00	ND	115	75-125	4	25	

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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

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	& Analyz	ed: 10-23-	09		•	-
Aluminum	ND	20	μg/L							
Arsenic	ND	2.0	U							
Copper	ND	1.0	tt							
Iron	ND	50	Įŧ.							•
Zinc	ND	2.0	l†							
Cadmium	ND	0.50	17							
LCS (CS08066-BS1)				Prepared	& Analyz	ed: 10-23-	09			
Aluminum	100	20	<u>μg/L</u>	100		100	80-120			
Arsenic	100	2.0	11	100		100	80-120			•
Соррег	105	1.0	II	100		105	80-120			
Iron	131	50	II	100		13 I	80-120			QM-7
Zinc	108	2.0	ш	100		108	80-120			
Cadmium	10.5	0.50	Ħ	10.0		105	80-120	•		
LCS Dup (CS08066-BSD1)		.•		Prepared	& Analyz	ed: 10-23-	09			
Aluminum	103	. 20	μg/L	.100	* 24.5	103	80-120	3	20	
Arsenic	102	2.0	11	100		102	80-120	2	20	
Copper	112	1:0	H	100		112	80-120	6	20	
Iron	. 131	50	17	100		131	80-120	0.5	20	QM-7
Zine	105	2.0	j†	100		105	80-120	3	20	
Cadmium	11.0	0.50	И	10.0		110	80-120	4	20	
Matrix Spike (CS08066-MS1)	So	urce: CSJ088	4-01	Prepared	& Analyz	ed: 10-23-	09			
Aluminum	115	20	μg/L	100	18.7	97	75-125		<u> </u>	
Arsenic	105	2.0	U	100	ND	105	75-125			
Copper	104	1.0	U	100 -	0.320	103	75-125			
Iron	653	50	U	100	542	111	75-125			
Zine	99.8	2.0	и.	100	ND	100	75-125			
Cadmium	10.7	0.50	u	10.0	ND	107.	75-125			

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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

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					·				<u>.</u>	
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	н .	100	ND	106	75-125			
Copper	117	1.0	Ħ	. 100	14.3	103	75-125			
Iron	461	50	П	100	344	117	75-125			
Zinc	101	2.0	п	100	2.96	98	75-125			
Cadmium	11.0	0.50	ır	10.0	ND	110	75-12 5			
Matrix Spike Dup (CS08066-MSD1)	Source: CSJ0884-01			Prepared & Analyzed: 10-23-09					<u>. </u>	
Aluminum	115	20	μg/L	100	18.7	96	75-125	0.6	25	
Arsenic	104	2.0	Ц	100	ND	104	75-125	1	25	
Copper	103	1.0	It	100	0.320	102	75-125	0.9	25	
Iron	653	50	Iţ	100	542	111	75-125	0.04	25	
Zinc	99.9	2.0	Ц	100	ND	100	75-125	0.1	25	
Cadmium	10.7	0.50	12	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	#1	100	ND	104	75-125	2	. 25	
Copper .	114	1.0	11	100	14.3	100	75-125	2	25	
Iron	435	50	· it	100	344	91	75-125	6	25	
Zine	97.5	2.0	u .	100	2.96	95	75-125	3	25	
Cadmium	10.7	0.50	u	10.0	ND	107	75-125	3	25	

10-28-09 15:23

CRWOCB - 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

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		9		_						
Blank (CS08101-BLK1)		Prepared & Analyzed: 10-26-09								
Aluminum	ND	20	μg/L							
Arsenic	ND	5.0	. "							
Copper	ND	2.0	В			•				
Iron	ND	50	11							
Zinc	ND	2.0	15							
Cadmium	ND	0.50	и.							
LCS (CS08101-BS1)	•	Prepared & Analyzed: 10-26-09								
Aluminum	95.7	20	μg/L	100		96	80-120			
Arsenic	103	5.0	11	100		103	80-120			
Copper	103	2.0	11	100		103	80-120			
Iron	98.2	50	11	100		98	80-120			
Zine	· 104	2.0	11	100		104	80-120			
Cadmium	10.2	0.50	11	10.0		102	80-120			
LCS Dup (CS08101-BSD1)				Prepared	& Analyz	ed: 10-26-	09			
Aluminum	96.0	20	μg/L	100		96	80-120	0.4	20	- 14
Arsenic	103	5.0	П	100		103	80-120	0.3	20	
Copper	104	2.0	П	100		104	80-120	1	20	
Iron	. 107	50	II	. 100		107	80-120	9	20	
Zinc	102	2.0	."	100		102	80-120	3	20	:
Cadmium	10.0	0.50	u	10.0		100	80-120	2	20	
Matrix Spike (CS08101-MS1)	So	urce: CSJ088	34-02	Prepared & Analyzed: 10-26-09						•
Aluminum	98.6	20	μg/L	100	10.8	88	75-125			
Arsenio	103	5.0	17	100	ND	103	75-125			
Copper	99.0	2.0	tr	100	2.85	96	75-125			
Iron	282	50	U	100	188	94	75-125			
Zino	99.6	2,0	n	100	2.16	97	75-125			
Cadmium	10.1	0.50	Ħ	10.0	ND	101	75-125			

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

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

	Reporting			Spike	Source		%REC		RPD	•
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	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	ц	100	ND	102	75-125			
Copper	105	2.0	ıt	100	10.8	94	75-125			•
Iron	317	. 50	. #	100	255	62	75-125			QM-7
Zinc	99.0	2.0	H	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	11	100	ND	103	75-125	0.4	25	
Copper	99.6	2.0	п	100	2.85	97	75-125	0.6	25	
Iron	288	. 50	п	100	188	100	75-125	2	25	
Zinc	102	2.0	ır	100	2.16	100	75-125	3	25	
Cadmium	10.2	0.50	lr.	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		μg/L	100	12.4	85	75-125	1	25	
Arsenic	98.9	5.0	†I	100	ND	99	75-125	3	25	
Copper	. 105	2.0	71	100	10.8	94	75-125	0.1	25	
Iron	327	50	и.	100	255	72	75-125	3	25	QM-7
Zine	98.8	2.0	II	100	2.94	96	75-125	0.2	25	
Cadmium	10.1	0.50	И	10.0	ND	101	75-125	3	25	

CA DOHS ELAP Accreditation/Registration Number 1233

3249 Fitzgerald Road Rancho Cordova, CA 95742

www.californialab.com 916-638-7301

Fax: 916-638-4510

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

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.

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

HT-F

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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

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* SHIPPED BY: LED X		VF / / / / / / / / / / / / / / / / / / /		The Will	RELINQUISHED BY (SIGN)	0,1	1430 NM-12		MM	11-MM-17	ZM-77	KW 7-WW (252)	WM-9 L	HO HUMN SIRI	NH2!	WM-1 - 12	3 PI-MW 0260	ST S-MN OHBS	6-9-10 0920 NM-5 LGC	IDENT	SITELOCATION PLUMES COUNT	KY CALVAICT	redins/12	Huggins (916) 41	Cordola CA 9	ress Leticia Valo	REPORT TO:	CLS - Labs	
		M DATE FINAL 1		Roberthall CUES	PRINT NAME / COMPANY	4	***					ISFS Dam	GCB Blowns albin	18" Churt	DC-115-	0,10	200	1/DS	MS. White 3	SAMPLE CONTAINER IFICATION MATRIX NO. TY		1 (8) (8) (8)		<u>.</u>	5670 LCLS (916) 638-7301	DESTINATION LABOR	. [원	CHAIN OF CUSTODY	
CIRCA	C. I An	N/W		CIPO VIIDIDI	DATE / TIME	PRESERVATIVES:													Plastic 1/3	Bia Bia	VH+	S3 / 7 (0) 7 (0)	p76 177		a (/ a (/	Vine Total	- NALYSIE	S) CLS ID	
All Colors	AIR BIII. #	CONDITIONS / COMMENTS:			RECEIVED BY (SIGN)	(1) HCL (3) = COLD (2) HNO ₃ (4) = NaOH									>					D	1 PAY 2 PAY 5 PAY	TURN AROUND TIME	FIELD CONDITIONS:	COMPLOSITE	GLOBAL ID:	EDF REPORT	REQUESTED GEOTRACKER:	No.; CFBX2-L	Š
		100	•		PRINT NAME / COMPANY	(6) = H_2SO_4 (7) = (6) = $Na_2S_2O_3$		RU. #	D .		INVOICE TO.	INDICE TO						limits for Metals	Need low develop	ALT. ID:	OR.	SPECIAL INSTRUCTIONS				T YES NO	H.	LOG NO. 94815	P. J.

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.

06/16/10 08:00

CRWQCB - Sacramento

Project: Walker Mine

Project Number: [none]

CLS Work Order #: CTF0482

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

Project Manager: Leticia Valadez

COC #: 2 Chains

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 " " " " " " " " " " " " " " " " "	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bicarbonate as CaCO3	WM-5 (LGC/MS) (CTF0482-01) W	ater Sampl	led: 06/09/	10 09: 20 R	eceived: 00	5/ 10/10 0	9:15				
Bicarbonate as CaCO3	Total Alkalinity	22		5.0	_	_			+		
Carbonate as CaCO3 ND 5.0 " 1 " " " " " " " " " " " " " " " " "	Bicarbonate as CaCO3	22		5.0	H	. 1			-	-	
Hydroxide as CaCO3	Carbonate as CaCO3	ND		5.0	11	1		•-		•	
Specific Conductance (EC)	Hydroxide as CaCO3	ND		5.0		1	K				
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 " " " " " " " " " " " " " " " " "	Chloride	0.51		0.50	ŧ	. 1	CT04167		06/10/10	EPA 300.0	
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 "	Specific Conductance (EC)	44		1.0	μmhos/cm	1	CT04169	06/10/10	06/10/10	EPA 120.1	
Magnesium 1.7 0.028 1.0 " 1 "	Methylene Blue Active Substances	ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Magnesium 1.7 0.028 1.0 1 1 1 1 1 1 1 1 1	Calcium	5,2	0.031	1.0	11	1	CT04168				
Potassium	Magnesium	1.7	0.028	1.0	n	1	11				
Sodium	Potassium	ND	0.87	1.0	n	1	n	11			
Hardness as CaCO3 20 1 I 1 CT04134 06/10/10 06/10/10 SM4500-H B HTS Sulfate as SO4 ND 0.50 mg/L 1 CT04167 06/10/10 06/10/10 SM4500-H B HTS 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 T CT04196 06/11/10 06/11/10 SM2540C WM-3 (DC/DS) (CTF0482-02) Water Sampled: 06/09/10 09:40 Received: 06/10/10 09:15 T CT04196 06/11/10 06/11/10 SM2540C WM-3 (DC/DS) (CTF0482-02) Water 55 5.0 mg/L 1 CT04196 06/11/10 06/11/10 SM2310B Bicarbonate as CaCO3 ND 5.0 " 1 " " " " " " " " " " " " " " " " " " "	Sodium	2.7	0.021	1.0	ш.	1	H		. "		
ND 0.50 mg/L 1 CT04167 06/10/10 06/10/10 EPA 300.0	Hardness as CaCO3	20		1.0	Ir	1	n)ŧ	ч	IP .	
Sulfate as SO4	μH	7.16		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
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 " <t< td=""><td></td><td>ND</td><td></td><td>0.50</td><td>mg/L</td><td>1</td><td>CT04167</td><td>06/10/10</td><td>06/10/10</td><td>EPA 300.0</td><td></td></t<>		ND		0.50	mg/L	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Total Alkalinity 55 5.0 mg/L 1 CT04196 06/11/10 06/11/10 SM2310B	Total Dissolved Solids	47		10	н .	1	CT04202	06/11/10	06/14/10	SM2540C	
Bicarbonate as CaCO3 S5 S.0 " 1 " " " " " " " "	WM-3 (DC/DS) (CTF0482-02) Water	er Sampled	i: 06/09/10	09:40 Rec	eived: 06/1	0/10 09:	15				
Carbonate as CaCO3	Total Alkalinity	55		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Carbonate as CaCO3 ND 5.0 " 1 " " " " " " " " " " " " " " " " "	•	55		5.0	ìr	1	tl	19	11	1f	
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 06/10/10 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 " " " " " " " " Sodium 13.0 0.021 1.0 " 1 " " " " " " " " " " " " " " " " "	Carbonate as CaCO3	ND		5.0	U	. 1	11	11	п	nt	
Chloride 0.55 0.50 " 1 CT04167 06/10/10 06/10/10 EPA 300.0 Specific Conductance (EC) 110 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 " " " " Sodium 3.0 0.021 1.0 " 1 "	Hydroxide as CaCO3	ND		5.0	n	1	11	l1	tl	Ħ	
Specific Conductance (EC) 110 1.0 μmhos/cm 1 CT04169 06/10/10 06/10/10 EPA 120.1	2	0.55		0.50	Ц	. 1	CT04167	06/10/10	06/10/10	EPA 300.0	
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 " " " " 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 Sulfate as SO4 1.6 0.50 mg/L 1 CT04167 06/10/10 06/10/10 EPA 300.0		110		1.0	μmhos/cm	ı 1	CT04169	06/10/10	06/10/10	EPA 120.1	
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 "				0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Magnesium 5.9 0.028 1.0 " 1 "	-	12	0.031	1.0	_	. 1	CT04168	06/10/10	06/10/10	200.7/2340B	
Potassium 0.97 0.87 1.0 " 1 "		5.9	0.028	1.0	tf	1	II.	n .	"	n	
Sodium 3.0 0.021 1.0 " 1 "	-		0.87	1.0	п	1	ţI.	· m	\$1	n	J
Hardness as CaCO3 54 1.0 " 1 " " " " " " " PH Units pH CT04134 06/10/10 06/10/10 SM4500-H B HT05 Sulfate as SO4 1.6 0.50 mg/L 1 CT04167 06/10/10 06/10/10 EPA 300.0			0.021	1.0	11	1	ri	н	В	ţI.	
pH 7.52 0.01 pH Units 1 CT04134 06/10/10 06/10/10 SM4500-H B HT Sulfate as SO4 1.6 0.50 mg/L 1 CT04167 06/10/10 06/10/10 EPA 300.0		54		1.0	ir	1	ŧı	11	11	tl	
Sulfate as SO4 1.6 0.50 mg/L 1 CT04167 06/10/10 06/10/10 EPA 300.0		7.52		0.01	pH Units	1 .	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
	•				•	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 ·	

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch_	Prepared	Analyzed	Method	Notes
WM-19 (Pond) (CTF0482-03) Water	Sampled	: 06/09/10	09:50 Rece	eived: 06/10	0/10 09:1	.5		<u>,</u>		
Total Alkalinity	15		5.0	mg/L	. 1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	15		5.0	11	1	11	tt.	II ·	II	
Carbonate as CaCO3	ND		5.0	U.	1	Я	Ħ	. 11	u .	
Hydroxide as CaCO3	ND		5.0	II	1	Ħ	II.	11	u	
Chloride	0.55		0.50	Ħ	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Specific Conductance (EC)	1 60	•	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	II	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	4.5	0.028	1.0	п '	1	47	li	P .	et .	
Potassium	1.8	0.87	1.0	II .	1	ti	II	11	, n	•
Sodium	3.9	0.021	1.0		1	11	II	15	11	
Hardness as CaCO3	68		1.0	lę.	1	If	II	li	B.	
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	9	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-1 (Portal) (CTF0482-04) Water	Sampled	: 06/09/10	10:30 Rece	ived: 06/10	0/10 09:1	.5				
Total Alkalinity	61		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	61		5.0	If	1	If	#1	ń	· ·	
Carbonate as CaCO3	ND		5.0	II	1	l)	**	Ħ	11	
Hydroxide as CaCO3	ND		5.0	II	1	I)	¥	ŧI	"	
Chloride	0.66		0.50	Ħ	1	CT04167	06/10/10	06/10/10	EPA 300.0	
Specific Conductance (EC)	120		1.0	μmhos/em	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	el	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	5.0	0.028	1.0	97	1	u	It	11	If	
Potassium	ND	0.87	1.0	11	1	. 4	· tr	11	II .	
Sodium	5.2	0.021	1.0	18	1	tt.	и .	lt	, b	
Hardness as CaCO3	51		1.0	ıt	1	ır	**	ıı	n	
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	BPA 300.0	
Total Dissolved Solids	99		10	11 -	1	CT04202	06/11/10	06/14/10	SM2540C	

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-2 (DC/MS) (CTF0482-05) Water	Samp	led: 06/09/10	10:20 Re	eived: 06/	10/10 <mark>09:</mark>	15				
Total Alkalinity	68		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	68		5.0	II	1	11	и.	11	11	
Carbonate as CaCO3	ND		5.0	ır ·	- 1	lt	`ti	tr	н	
Hydroxide as CaCO3	ND		5.0	11	1	If	li	**	и	
Chloride	0.60		0.50	If	. 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	I†	. 1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	7.8	0.028	1.0	11	1	11	if	fl	If	
Potassium	ND	0.87	1.0	II.	1	it .	H	*1	If	
Sodium	2.9	0.021	1.0	II	1	Ħ	11	*1	. It	
Hardness as CaCO3	69		1.0	11	1	ţi	B	tl	R .	
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	l1	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-4 (@ 48' Culvert) (CTF0482-06)	Water	Sampled: 0	6/09/10 12:1	5 Receive	d: 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	. 0	1	II	11	15	18	
Carbonate as CaCO3	ND		5.0	, If	1	II	17		11	
Hydroxide as CaCO3	ND		5.0	11	1	11	16	H	11	
Chloride	0.57		0.50	tt	. 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	11	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	5.3	0.028	1.0	71	1	11	tt	li	ıt	•
Potassium	1.1	0.87	1.0	. 11	1	11	11	II	ij	
Sodium	3.0	0.021	1.0	. 11	1	It	πt	Л	ti	
Hardness as CaCO3	50		1.0	ŧı	1	11	Ir	II	я	
р Н	7.62		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-HB	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	ц	1	CT04202	06/11/10	06/14/10	SM2540C	

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-9 (LGC @ Browns Cabin) (CT	F0482-07) \	Vater Sa	mp led: 06/0	9/10 12:30	Receive	ed: 06/10/1	0 09:15			
Total Alkalinity	28		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	. 28		5.0	q	1	*1	· B	*1	17	
Carbonate as CaCO3	ND		5.0	n	1	11	lı	19	*1	
Hydroxide as CaCO3	ND		5.0	ıt	1 -	ц.	et .	18	11	
Chloride	0.51		0.50	n	. 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	71	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	1.8	0.028	1.0	11	1	17	ţr	H	11	
Potassium	ND	0.87	1.0	H	1	II	11	и .	II	•
Sodium	2.6	0.021	1.0	II	1	Ħ	li .	11	ii ii	
Hardness as CaCO3	21		1.0	ĮĮ.	1	B	ji		H	
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	11	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-6 (MSFS Dam) (CTF0482-08)	Water Sar	npled: 06/(9/10 12:50	Received:	06/10/10	09:15				<u>.</u>
Total Alkalinity	39		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	39		6 A	n		ti .	II	11	II.	
			5,0	.,	. 1					
Cardonare as CaCO3	ND		5.0 5.0	н	1	fi	h	lī	11	
Carbonate as CaCO3 Hydroxide as CaCO3	ND ND				1 1 1	11	h H	ir tr	#I	
Hydroxide as CaCO3			5.0	и	, 1					
Hydroxide as CaCO3 Chloride	ND 0 .5 9		5.0 5.0	H.	, 1	11	n	t!	п	
Hydroxide as CaCO3 Chloride Specific Conductance (EC)	ND 0. 5 9 210		5.0 5.0 0.50	н Н	1 1 1	" CT04167	06/10/10	06/11/10	" EPA 300.0	
Hydroxide as CaCO3 Chloride Specific Conductance (EC) Methylene Blue Active Substances	ND 0 .5 9	0.031	5.0 5.0 0.50 1.0	н н µmhos/cm	1 1 1	" CT04167 CT04169	06/10/10 06/10/10	06/11/10 06/10/10	EPA 300.0 EPA 120.1	
Hydroxide as CaCO3 Chloride Specific Conductance (EC) Methylene Blue Active Substances Calcium	ND 0.59 210 ND 22	0.03 l 0.028	5.0 5.0 0.50 1.0 0.10	в в µmhos/cm mg/L	1 1 1 1	" CT04167 CT04169 CT041 72	06/10/10 06/10/10 06/10/10	" 06/11/10 06/10/10 06/11/10	" EPA 300.0 EPA 120.1 SM5540 C	
Hydroxide as CaCO3 Chloride Specific Conductance (EC) Methylene Blue Active Substances Calcium Magnesium	ND 0. 5 9 210 ND	0.028	5.0 5.0 0.50 1.0 0.10 1.0	μmhos/cm mg/L	1 1 1 1 1	" CT04167 CT04169 CT04172 CT04168	06/10/10 06/10/10 06/10/10 06/10/10	" 06/11/10 06/10/10 06/11/10 06/10/10	" EPA 300.0 EPA 120.1 SM5540 C 200.7/2340B	
Hydroxide as CaCO3 Chloride Specific Conductance (EC) Methylene Blue Active Substances Calcium Magnesium Potassium	ND 0.59 210 ND 22 4.1 2.3	0.028 0.87	5.0 5.0 0.50 1.0 0.10 1.0	μmhos/cm mg/L	1 1 1 1 1 1	" CT04167 CT04169 CT04172 CT04168	06/10/10 06/10/10 06/10/10 06/10/10	06/11/10 06/10/10 06/11/10 06/10/10	" EPA 300.0 EPA 120.1 SM5540 C 200.7/2340B	
Hydroxide as CaCO3 Chloride Specific Conductance (EC) Methylene Blue Active Substances Calcium Magnesium Potassium Sodium	ND 0.59 210 ND 22 4.1 2.3 4.9	0.028	5.0 5.0 0.50 1.0 0.10 1.0 1.0 1.0	n n umhos/cm mg/L n	1 1 1 1 1 1 1	"CT04167 CT04169 CT04172 CT04168	06/10/10 06/10/10 06/10/10 06/10/10 "	06/11/10 06/10/10 06/11/10 06/10/10	EPA 300.0 EPA 120.1 SM5540 C 200.7/2340B	
Hydroxide as CaCO3 Chloride Specific Conductance (EC) Methylene Blue Active Substances Calcium Magnesium Potassium Sodium Hardness as CaCO3	ND 0.59 210 ND 22 4.1 2.3 4.9	0.028 0.87	5.0 5.0 0.50 1.0 0.10 1.0 1.0 1.0	ι μmhos/em mg/L ι υ π	1 1 1 1 1 1 1 1	"CT04167 CT04169 CT04172 CT04168	" 06/10/10 06/10/10 06/10/10 06/10/10 " " "	06/11/10 06/10/10 06/10/10 06/11/10 06/10/10	EPA 300.0 EPA 120.1 SM5540 C 200.7/2340B	HT-F
Hydroxide as CaCO3 Chloride Specific Conductance (EC) Methylene Blue Active Substances Calcium Magnesium Potassium Sodium	ND 0.59 210 ND 22 4.1 2.3 4.9	0.028 0.87	5.0 5.0 0.50 1.0 0.10 1.0 1.0 1.0	n n n n n n n n n n p/L n n n	1 1 1 1 1 1 1 1	" CT04167 CT04169 CT04172 CT04168 " " "	" 06/10/10 06/10/10 06/10/10 06/10/10 " " " "	06/11/10 06/10/10 06/10/10 06/11/10 06/10/10	EPA 300.0 EPA 120.1 SM5540 C 200.7/2340B	НТ-Е

6/16/10 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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-7b (CTF0482-09) Water	Sampled: 06/09/1	10 13:00	Received: 0	6/10/10 09:	15					
Total Alkalinity	48		5.0	mg/L	• 1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	48		5.0	Ħ	1	. 11	11	11	H	
Carbonate as CaCO3	ND		5.0	19	1	If	lr .	H	tt	
Hydroxide as CaCO3	ND		5.0	II.	1	lt .	Tŧ	I†	II	
Chloride	0.57		0.50	, n	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 Substance	s ND		0.10	mg/L	. 1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	12	0.031	1.0	d	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	5.2	0.028	1.0	11	1	, n	И	D ·	II	
Potassium	1.1	0.87	1.0	11	1	0	n	11	tt	
Sodium	3.2	0.021	1.0	, II	1	9	D °	It .	п	
Hardness as CaCO3	50		1.0	D	1	11	11	n	lı	
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	U	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-7c (CTF0482-10) Water	Sampled: 06/09/1	0 13:05	Received: 0	6/10/10 09:	15					
Total Alkalinity	24	•	5.0	mg/L	1 .	CT04196	06/11/10	06/11/10	\$M2310B	
Bicarbonate as CaCO3	24		5.0	H	1	. 11	æ	11	11	
Carbonate as CaCO3	ND		5.0	# ,*	1	II	ži.	в	ît	
Hydroxide as CaCO3	ND		5.0	11	1	It.	R	13	lt .	
Chloride	0.51		0.50	н	1	CT04167	06/10/10	. 06/11/10	EPA 300.0	
Specific Conductance (EC)	49		1.0	μmhos/cm	ı 1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substance	es 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	Ħ	1	11	tl	11	"	
Potassium	ND	0.87	1.0	Ħ	1	19	Ħ	18	a	
Sodium	2.6	0.021	1.0	D	1	D	11 .	ų ·	è	
Hardness as CaCO3	21		1.0	n	1	11	It	II	. "	
рН	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	

California Laboratory Services

06/16/10 08:00

CRWQCB - Sacramento

Project: Walker Mine

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project Number: [none]

Project Manager: Leticia Valadez

CLS Work Order #: CTF0482

COC #: 2 Chains

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-7a (CTF0482-11) Water San	pled: 06/09/	10 13:25	Received: 0	6/10/10 0 <u>9</u> :	15					
Total Alkalinity	51		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	51		5.0	a	1	ø	N	. 11	. #	
Carbonate as CaCO3	ND		5.0	11	1	11	11	ti .	11	
Hydroxide as CaCO3	ND		5.0	u	1	. 0	11	n	11	
Chloride	0.56		0.50	11	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	
Caleium	12	0.031	1.0	11	. 1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	5.3	0.028	1.0	11	1	, u	17	n		
Potassium	1.1	0.87	1.0	\$1	1	u	U	h	11	
Sodium	3.2	0.021	1.0	n .	1	0	11	h	11	
Hardness as CaCO3	51		1.0	şi	1	11	u	Ħ	u	
рH	7.84		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-HB	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	11	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-11 (CTF0482-12) Water San	apled: 06/09/	10 14:20	Received: 0	6/10/10 09:	15		·	•		
Total Alkalinity	15		5.0	mg/L	1	CT04196	06/11/10	- 06/11/10	SM2310B	
Bicarbonate as CaCO3	15		5.0	u	1	u	lf	и .	tt.	
Carbonate as CaCO3	ND		5.0	. 11	1	Ü	II	n	11	
Hydroxide as CaCO3	ND		5.0	li	1	Ü	n n	11	41	
Chloride	0.51		0.50	u	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	33		1.0	μmhos/cm	1	CT'04169	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	n	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	1.1	0.028	1.0	11	1	u	11	11	11	
Potassium	ND	0.87	1.0	II	1	u	. 11	ir	l†	
Sodium	1.8	0.021	1.0	И	1	n	11	(f	H	
	12		1.0	В	1	Ħ	17	Ħ	Ħ	
Hardness as CaCO3				pH Units	1	CT04134	06/10/10	06/10/10	SM4500-HB	HT-F
	7.61		0.01	pm omes	1	CIVITAL	001 I 01 I 0	00, 20, 20	DITT ID OUT II	
Hardness as CaCO3 pH Sulfate as SO4	7.61 1.1		0.01	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-12 (CTF0482-13) Water	Sampled: 06/09/1	0 14:30	Received: 0	6/10/10 09:	15					
Total Alkalinity	13		5.0	· mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	13		5.0	N	1	tl	ii			
Carbonate as CaCO3	ND		5.0	II ·	1	11	17	II	. "	
Hydroxide as CaCO3	ND		5.0	Į.	1 -	19	19	H	ıt	
Chloride	0.51		0.50	14	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 Substance	s ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	2.5	0.031	1.0	11	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	1.3	0.028	1.0	Ħ	1	17	Ħ	ıt .		
Potassium	ND	0.87	1.0	11	1	Į	IP.	H	II	
Sodium	1.2	0.021	1.0	0	1	Ħ	II	Ħ	. 11	
Hardness as CaCO3	11	•	1.0	It	1	11	. "	II	IP .	
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	Ш	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-13 (CTF0482-14) Water	Sampled: 06/09/1	0 14:40	Received: 0	6/10/10 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	Ħ	11	11	. "	
Carbonate as CaCO3	ND		5.0	P	1	11	tt	11	ŧt.	
Hydroxide as CaCO3	· ND		5.0	ıı	1	19	15	17	II	
Chloride	ND		0.50	Ħ	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	56		1.0	μmhos/cn	1 1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substance	es ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	6.6	0.031	1.0	#1	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	3.0	0.028	1.0	ıf	1	п	D	и	п	
Potassium	ND	0.87	1.0	11	1	tı	II	ĮI	11	
Sodium	1.8	0.021	1.0		1	11	Ħ	, 11	it	
Hardness as CaCO3	29		1.0	*1	1	n	11	Ħ	u	
pH	7.36		0.01	pH Units	. 1	CT04134	06/10/10	06/10/10	SM4500-HB	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	
**										

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 Sa	impled: 06/09/1	0 14:45	Received: 0	6/10/10 0 9:	15					
Total Alkalinity	67		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	67		5.0	III	1	**	II.	11	i)	
Carbonate as CaCO3	ND		5.0		1	17	H	II	II	
Hydroxide as CaCO3	ND		5.0	I†	1	11	tt .	11	н	
Chloride	0.59		0.50	H	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	130		1.0	μmh o s/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	. 11	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	6.5	0.028	1.0	It	1	ļi	1 1	li	If	
Potassium	1.5	0.87	1.0	10 -	1	11	11	· II	li	
Sodium	3.5	0.021	1.0	II.	1		II	II	II	
Hardness as CaCO3	64		1.0	Н	1	#1	(r	. 41	п -	
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	1	10	It	1 .	CT04202	06/11/10	06/14/10	SM2540C	
WM-18 (CTF0482-16) Water Sa	ampled: 06/09/1	0 15:20	Received: 0	6/10/10 09:	:15					
Total Alkalinity	66		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	66		5.0	Ħ	1	II	11	11	If	
Carbonate as CaCO3	ND		5.0	и.	1	il	17	Ħ	Ħ	
Hydroxide as CaCO3	ND		5.0	ti	1	10	tt .	17	Ħ	
Chloride	0.59	-	0.50	II	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	130		1.0	μmhos/en	n 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	31	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	6.1	0.028	1.0	ж	1	11	Ħ	H	ц	
Potassium	1.6	0.87	1.0	If	1	B	11	ti	11	
Sodium	3.8	0.021	1.0	ti .	1	и	II.	If	0	
Hardness as CaCO3	61		1.0	· ti	1	II	II	17	Ħ	
рН	7.94		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-HB	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	II.	1	CT04202	06/11/10	06/14/10	SM2540C	

CA DOHS ELAP Accreditation/Registration Number 1233

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-16 (CTF0482-17) Water S	Sampled: 06/09/1	10 15:45	Received: 0	6/10/10 0 <u>9</u> :	15					
Total Alkalinity	50		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	50		5.0	n	1	n	li .	11	п	
Carbonate as CaCO3	ND		5.0	श	1	11	n	IJ	"	
Hydroxide as CaCO3	ND		5.0	11	1	11	n	11	H.	
Chloride	0.55		0.50	11	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	91		1.0	µmhos/cm	ι . 1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substance:	s ND		0.10	mg/L	. 1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	. 11	0.031	1.0	Ħ	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	4.7	0.028	1.0	11	1	. 11	h	u	19	
Potassium	ND	0.87	1.0	lt.	1	n	М	II	n	
Sodium	2.6	0.021	1.0	ir	1	*1	n	. "	11	
Hardness as CaCO3	47		1.0	n	1	11	11	lt .	n .	
Hq	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	ıı	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-15 (CTF0482-18) Water	Sampled: 06/09/	10 16:00	Received: 0	6/10/10 09	:15	•			<u> </u>	
Total Alkalinity	29		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	29		5.0	17	1	#	tt	n	n .	
Carbonate as CaCO3	ND		5.0	e	1	II	ii	ti	If	
Hydroxide as CaCO3	ND		5.0	ħ	1	n	н	fi	B	
Chloride	0.53		0.50	n	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	5 3		1.0	μmhos/en	n 1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substance	s ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	6.3	0.031	1.0	16	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	2.6	0.028	1.0	n	1	n	11	Ħ	0	
Potassium	ND	0.87	1.0	II	1	11	11	11	ti	
Sodium	1.8	0.021	1.0	· 10 1	1	η	#	lt	ti	
Hardness as CaCO3	26		1.0	lt .	1	ìţ	11	n	If	
pH	7.68		0.01	pH Units	1	CT04134	06/10/10	06/10/10	SM4500-H B	HT-F
yrı Sulfate as SO4	ND		0.50	mg/L	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Total Dissolved Solids	40		10	11	1	CT04202	06/11/10	06/14/10	SM2540C	
Total Dissolved Solids	40		10		7	C104202	50/11/10	VW 1-1110		

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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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-14 (CTF0482-19) Water S	Sampled: 06/09/	10 16:05	Received: 0	6/1 0 /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	II	1	11	11	11	*1	
Carbonate as CaCO3	ND		5.0	H	. 1	It	u	17	11	
Hydroxide as CaCO3	ND		5.0	H	1	II.	It	13	It	
Chloride	0.54		0.50	If .	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 Substance	s ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	12	0.031	1.0	Ħ	1	CT04168	06/10/10	06/10/10	200.7/2340B	
Magnesium	1.4	0.028	1.0	Ħ	1	Ħ	11	**	ц	
Potassium	ND	0.87	1.0	tı	1	**	11	H	tı	
Sodium	2.2	0.021	1.0	It	1	11	If	II	It.	
Hardness as CaCO3	35		1.0	• п	1	II	. #	11	ti .	
рН	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	ĥ	1	CT04202	06/11/10	06/14/10	SM2540C	
WM-10 (CTF0482-20) Water	Sampled: 06/09/	10 17:00	Received: 0	6/10/10 09:	:15	. <u> </u>	·	<u>. </u>		
Total Alkalinity	23		5.0	mg/L	1	CT04196	06/11/10	06/11/10	SM2310B	
Bicarbonate as CaCO3	23		5.0	11	i	Ħ	11	II	ti	
Carbonate as CaCO3	ND		5.0	ıt	. 1	If a	ti	ti	п	
Hydroxide as CaCO3	ND		5.0	19	1	II	**	11	11	
Chloride	0 .5 1		0.50	11	1	CT04167	06/10/10	06/11/10	EPA 300.0	
Specific Conductance (EC)	50		1.0	μmhos/cn	n 1	CT04169	06/10/10	06/10/10	EPA 120.1	
Methylene Blue Active Substance	s ND		0.10	mg/L	1	CT04172	06/10/10	06/11/10	SM5540 C	
Calcium	6.3	0.031	1.0	Ħ	1	CT04168	06/10/10	06/10/10	200.7/2340B	
	1.6	0.028	1.0	11	1	11	и .	19	ti	
Magnesium Potassium	ND	0.87	1.0	n	1	IF	**	н	и.	
Sodium	2.2	0.021	1.0	D	1	Rt.	D	п.	и.	
Hardness as CaCO3	22	5.521	1.0	Ħ	1	н	*1	11	К	
	7.53 .		0.01	pH Units	,	CT04134	06/10/10	06/10/10	SM4500-HB	HT-I
pH 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	1116711	1	CT04202	06/11/10	06/14/10	SM2540C	
TOTAL DISSUIVED DOMUS	70		10		•	2200				

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch_	Prepared_	Analyzed	Method	Notes
WM-5 (LGC/MS) (CTF0482-01) Wate	er Samp	oled: 06/09/	10 09:20 R	eccived: 0	6/10/10 0	9:15			<u>.</u>	
Aluminum	74	5.0	20	μg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	II	1.	В	II	ri .	I\$	
Copper	0.57	0.23	1.0	19	1	II	11	11	n	J
Iron	89	7.2	50	ti	1	ll.	Tr .	11	it '	
Zine	2.8	0.93	2.0	. 4	1	II.	11	11	Ħ	
Cadmium	ND	0.50	0.50	11	1	II.	1f	*	11	
WM-3 (DC/DS) (CTF0482-02) Water	Sample	d: 06/09/10	09:40 Rec	eived: 06/	10/10 09:	L5 <u> </u>				
Aluminum	60	5.0	20	μg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	ii ii	1	1)	O O	Ð	ď	
Copper	25	0.23	1,0	el	. 1	11	II	n	18	
Iron	160	7.2	50	11	1	11	и.	Œ	ir	
Zine	6.4	0.93	2.0	19 -	1	II	il	Ħ	н	
Cadmium	ND	0.50	0.50	11	. 1	в.	14)f	Iŧ	
WM-19 (Pond) (CTF0482-03) Water	Sample	i: 06/09/10	09: 5 0 Rec	eived: 06/1	10/10 09:1	.5				
Aluminum	95	5.0	20	 μg/L	1	CT041.89	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	11	1	u ff	H	"	11	
Copper	1800	1.2	5.0	11	· 5)r	В	06/11/10	11	
Iron	320 ~	7.2	50	h	1	II	16	06/11/1 0	31	
Zine	170	0.93	2.0	a a	1	li	44	11	n	
Cadmium	1.2	0.50	0,50	11	. 1	a ·	11	11	1)	
WM-1 (Portal) (CTF0482-04) Water	Sample	I: 06/09/10	10:30 Rec	eived: 06/1	10/10 <u>0</u> 9:1	5				
Aluminum	5.0	5.0	20	μ g /L	1	CT04189	06/11/10	06/11/10	EPA 200.8	1
Arsenic	16	0.85	2.0	'n	1	n	tt	ri .	n	
Copper	87	0.23	1.0	li .	1	Ņ	и.	11	. 41	
Iron	ND	7.2	50	P	1	tr .	19	17	19	
Zine	26	0.93	2.0	u	1	l?	19 ,	p	h	
Cadmium	ND	0.50	0.50	II	1	11	II	н	II	

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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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-2 (DC/MS) (CTF0482-05) Water	Samp	oled: 06/09/1	0 10:20 Red	eived: 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	. 15	1	71	11	11	u .	
Copper	0.43	0.23	1.0	n	1	11	11	11	H	J
Iron	21	7.2	50	n	1	n	11	ti	n	J
Zinc	ND	0.93	2.0	11	1	n	11	ħ	n	•
Cadmium	ND	0.50	0.50	LF	1	t)	11	11	. #	
WM-4 (@ 48' Culvert) (CTF0482-06)	Water	Sampled: 0	6/09/10 12:1	5 Receiv	ed: 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	n	. 1	n	II	11	и .	
Copper	32	0.23	1.0	n	1	n	lt	11	n .	
Iron	110	7.2	50	n	1	0 .	11	11	If	
Zinc	10	0.93	2.0	n	1	u	11	ır '	l†	
Cadmium	ND	0.50	0.50	11	1	ш :	11)ŧ	U	
WM-9 (LGC @ Browns Cabin) (CTF	0482-07) Water Sa	mpled: 06/0	9/10 12:30) Receive	ed: 06/10/1	10 09:15			
Aluminum	5 9	5.0	. 20	μg/L	1 .	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	ħ	. 1	17		lŧ	11	
Copper	2.2	0.23	1.0	Ħ	1	11	n	· II	R	
Iron	89	7.2	50	н	1	n	n	l†	ţţ.	
Zinc	6.2	0.93	2.0	11	1	11	n	n	R	
Cadmium	ND	0.50	0.50	15	1	n	ŧì	. "	tt	
WM-6 (MSFS Dam) (CTF0482-08) W	ater S	ampled: 06/0	09/10 12:50	Received	l: 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	li.	1	11	n	17 .	Ħ	
Copper	51	0.23	1.0	n	1	R	11	n ·	tt	
Copper				H	,	is .	Ŋ	19	17	
Iron	190	7.2	50	.,	1					
	190 36	7.2 0.93	50 2.0	n	1	II	ø	11	11	

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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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-7b (CTF0482-09) Water	Sampled: 06/09/1	13:00	Received: 0	6/10/10 09):15				. <u> </u>	
Aluminum	110	5.0	20	μg/L	1	CT04189	06/11/10	0 6/1 1 /10	EPA 200.8	
Arsenic	ND	0.85	2.0	11	1	R	It	H	Įł	
Copper	3 9	0.23	1.0	tt	1	11	H	II	lt.	
Iron	240	7.2	50	If	1	ti	"	li	II	
Zinc	10	0.93	2.0	H	1	II	n ·	ti	II .	
Cadmium	ND	0.50	0.50	н	1	11	11	#	It	
WM-7c (CTF0482-10) Water	Sampled: 06/09/1	0 13:05	Received: 0	6/10/10 09	:15				<u> </u>	
Aluminum	69	5.0	20	μ g/ L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	11	1	ii	. 11	II	. 11	
Copper	0.64	0.23	1.0	Ħ	1		II	II	31	J
Iron	95	7.2	50	11	1	H	H ·	l!	В	
Zinc	ND	0.93	2.0	u	1	Ħ	t)	ti	li	
Cadmium	ND	0.50	0.50	11	1	P	. 11	It	Ħ	
WM-7a (CTF0482-11) Water	Sampled: 06/09/2	10 13:25	Received: 0	6/10/10 09	9:15					<u>_</u>
Aluminum	38	5.0	20	μg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	II	1	. 11	. #	17	D	
Copper	37	0.23	1.0	n	1	Ħ	It	*1	II .	
Iron	140	7.2	50	1)	1	11	II	11	- п	
Zinc	6.3	- 0.93	2.0	11	1	II	, tr	l†	11	
Cadmium	ND	0.50	0.50	*1	1	. (1	. 11	11	. 14	
WM-11 (CTF0482-12) Water	Sampled: 06/09/	10 14:20	Received:	06/10/10 0	9:15					
Aluminum		5.0	20	μ g /L	i	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	u	1	П	Ħ	II	. "	
Copper	9.6	0.23		II.	1	ŧi .	it it	ji .	n	
Iron	42	7.2		ıl.	1	п	π	N	II .	ĭ
Zinc	5.5	0.93		51	1	u	It	ij	41	
Cadmium	ND	0.50		11	1	. 11	11	11	К	-

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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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-12 (CTF0482-13) Water	Sampled: 06/09/1	0 14:30	Received: 0	6/10/10 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	11	1	11	U	ħ	Ħ	
Copper	17	0.23	1.0	П	1	**	U	11	Ħ	
Iron	81	7.2	50	u	1	11	0	, ii	Ħ	
Zinc	8.5	0.93	2.0	n	1	11	0	a	fl fl	
Cadmium	ND	0.50	0.50	. 10	1	11	11	(I	Ħ	
WM-13 (CTF0482-14) Water_	Sampled: 06/09/1	0 14:40	Received: 0	6/10/10 0 9	:15	_	<u> </u>			
Aluminum	33	5.0	20	μg/L	1	CT04189	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	II	1	II	II	Ħ	a .	
Copper	0.49	0.23	1.0	n .	1	И	п	lt	a a	J
Iron	15	7.2	50	H	1	lt	11 .	II	fi fi	J
Zinc	6.7	0.93	2.0	. 11	' 1	В	11	II	11	
Cadmium	ND	0.50	0.50	U	1	К	IT	I)	II	
WM-17 (CTF0482-15) Water	Sampled: 06/09/1	0 14:45	Received: 0	6/1 0 /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	u	1	11	ff	Ħ .	11	
Copper	0.35	0.23	1.0	0	1	15	17	11	11	J
Iron	8. 6	7.2	50	11	1	19	11	IP .	ji	j
Zinc	ND	0.93	2.0	ţŧ	1	11	19	11	វា	
Cadmium	ND	0.50	0.50	It	1	II	H	U	(I	
WM-18 (CTF0482-16) Water	Sampled: 06/09/1	0 15:2 0	Received: 0	6/10/10 09	:15					
Aluminum	60	5.0	20	μg/L		CT04189	06/1 1 /10	06/11/10	EPA 200.8	
Arsenic	ŅD	0.85	2.0	19	1	li	ti	u	e	
Copper	0.36	0.23	1.0	II	1	u	II	. (1	11	J
	30	7.2	50	ц	1	II	ĮI	11	' II	J
Iron										
Iron Zine	ND	0.93	2.0	H	1	n	II .	þ	ır	

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine
Project Number: [none]

CLS Work Order#: CTF0482 COC #: 2 Chains

Project Manager: Leticia Valadez

Analyte	Result	MDL	Reporting Limit	Units	Dilution_	Batch	Prepared	Analyzed	Method	Notes
WM-16 (CTF0482-17) Water	Sampled: 06/09/1	0 15:45	Received: 0	6/10/10 09	:15					
Aluminum	25	5.0	20	μg/L	1	CT04189	0 6/1 1 /10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	2.0	II	1	и	11	#	. 11	
Copper	0.48	0.23	1.0	l† -	1	tt	19	**	11	J.
Iron	15	7.2	50	H	1	Ш	19	н	*1	J
Zinc	4.5	0.93	2.0	It	1	li .	11	ţi	11	
Cadmium	ND	0.50	0.50	H	1	- 11	19	11	11	
WM-15 (CTF0482-18) Water	Sampled: 06/09/1	0 16:00	Received: 0	6/1<u>0</u>/10 0 9	:15				<u> </u>	
Aluminum	70	5.0	20	μg/L	1	CT04189	06/11/10	0 6/1 1 /10	EPA, 200.8	
Arsenic	ND	0.85	2.0	п	1	li	It	H	I*	
Copper	5.0	0.23	1.0	10	1	Ħ	Iŧ.	11	n	
Iron	47	7.2	50	+ It	1	Ħ	IR	11	ţī.	J
Zinc	2.2	0.93	2.0	И	1	tı	Ħ	II		
Cadmium	ND	0.50	0.5 0	41	1	11	II .	11	II	
WM-14 (CTF0482-19) Water	Sampled: 06/09/1	10 16:05	Received: 0	6/10/10 0 9	: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	l1	1	It	11	31	11	
Copper	5.9	0.23	1.0	11	1	l)	II	1†	19	
Iron	59	7.2	50	ú	1	iı	II	II.	· II	
Zinc	7.3	0.93	2.0	If	1	II .	μ	, Th	D	
Cadmium	ND	0.50	0.50	, 1 1	1	u	n	ľ	D	
WM-10 (CTF0482-20) Water	Sampled: 06/09/1	l0 17:00	Received: 0	6/10/10 0 9	: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	11	1	Ħ	II	n	В	*
Copper	3.9	0.23	1.0	11	1	tt	li .	n	11	
	82	7.2	5 0	11	1	Ħ.	п	II	ĸ	
Iron										
Iron Zinc	7.9	0.93	2.0	11	1	11	. "	h	n	

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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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-5 (LGC/MS) (CTF0482-01) Wate	r Sam	ple d: 06/09/	10 09:20 I	Received: (6/10/10 0	9:15				
Aluminum	27	5.0	20	μ g/ L	. 1	CT04187	06/11/10	06/1 1/10	EPA 200.8	÷
Arsenic	ND	0.85	5.0	H	1	19	n	11	Ņ.	
Copper	0.51	0.23	2.0	n	1	ij	H ,	ņ	П	J
Iron	23	7.2	50	11	1	19	ŧI	19	0	J
Zinc	3.4	0.93	2.0	ti .	1	11	It	Н	11	
Cadmium	ND	0.50	0.50	. 10	1	H	11	ji	И	
WM-3 (DC/DS) (CTF0482-02) Water	Sample	ed: 06/09/10	09:40 Re	ceived: 06/	10/10 09:	15		<u> </u>		
Aluminum	22	5.0	20	 μg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	•
Arsenic	ND	0.85	5.0	11	1	11	1 11)ţ	11	
Copper	18	0.23	2.0	IJ	1	9	Ħ	t.	ų	
Iron	36	7.2	50	it	1	lf	11)ų	v	J
Zine	5.0	0.93	2,0	†I	1	IJ	11	It	ti	
Cadmium	ND	0.50	0.50	11	1	u · .	H	И	li	
WM-19 (Pond) (CTF0482-03) Water	Sample	d: 06/09/10	09:50 Rec	eived: 06/	10/10 09:1	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	11	1	. 11	. 11	il	11	
Copper	1200	1.2	10	ĸ	5	h	. н	"	\$1	
Iron	ND	7.2	50	şi	1,	tt	11	11	И .	
Zinc	170	0.93	2.0	†1	1	н	.	ti .	ti	
Cadmium	1.1	0.50	0.50	11	1	. 11	n .)te	11	
WM-1 (Portal) (CTF0482-04) Water	Sample	d: 06/09/10	10:30 Red	eived: 06/	10/10 09:	15				
Aluminum	ND	5.0	. 20	 μ g/ L	1	CT04187	0 6/ 1 1/10	06/11/10	EPA 200.8	
Arsenic	17	0.85	5.0	11	1	It	lt	11	н	
	81	0.23	2.0	ti	1	· n	11	19	11	
Copper Iron	ND	7.2	50	11	1	ìT	' 11	n	н	
Zinc	27	0.93	2.0	If	1	πt	11	n	1f	
Cadmium	ND	0.50	0.50	11	1	h	0,	19	11	

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

Analyte	Result	MDL_	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-2 (DC/MS) (CTF0482-05) Water	Samp	led: 06/09/10	10:20 Rec	eived: 06	/10/10 <mark>0</mark> 9:	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	ıt	1	11	н	ji	It	
Copper	0.33	0.23	2.0	ti ,	1	. 0	t)	li .	lf.	J
Iron	ND	7.2	50		1.	h	0	If	. U	
Zine	1.3	0.93	2.0	10	1	U	It	II.	n .	J
Cadmium	ND	0.50	0.50	n	1	н	#	Ħ	11	
WM-4 (@ 48' Culvert) (CTF0482-06)	Water	Sampled: 0	6/09/10 12:1	5 Receiv	ed: 06/10	/10 09:15				
Aluminum	22	5.0	20	<u>μ</u> g/L		CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	D	. 1	r n	n	1†	p	
Copper	25	0.23	2.0	n	1	11	u .	11	ų	
Iron	34	7.2	50	# .	1	Ü .	it .	ų	Ħ	J
Zinc	5.6	0.93	2.0	n	1	#1	11	11	t t	
ZILLO					_	17	11	I I	11	
Cadmium	ND	0.50	0.50	11	1	,,				
					l O Receiv		10 09:15			
WM-9 (LGC @ Browns Cabin) (CTFC		Water Sa		9/10 12:3	1 0 Receiv 1		0 09:15	06/1 1 /10	EPA 200.8	
WM-9 (LGC @ Browns Cabin) (CTFC)482-07) 20	Water Sa	mpled: 06/0			ed: 06/10/1		06/11/10	EPA 200.8	1
WM-9 (LGC @ Browns Cabin) (CTFC Aluminum Arsenic	0482-07) 20 ND	Water Sa 5.0 0.85	mpled: 06/0 20 5.0	9/10 12:3 μg/L	1	ed: 06/10/1 CT04187	0 6/1 1/10			1
WM-9 (LGC @ Browns Cabin) (CTFC Aluminum Arsenic Copper)482-07) 20	5.0 0.85 0.23	mpled: 06/0 20	9/10 12:3 μg/L	1 1	ed: 06/10/1 CT04187	0 6/1 1/10	u	и	-
WM-9 (LGC @ Browns Cabin) (CTFC Aluminum Arsenic Copper Iron	20 ND 1.6 35	5.0 0.85 0.23 7.2	20 5.0 2.0	9/10 12:30 μg/L	1 1	ed: 06/10/1 CT04187	0 6/1 1/10 "	tt (t	n n	1
WM-9 (LGC @ Browns Cabin) (CTFC Aluminum Arsenic Copper	20 ND 1.6	5.0 0.85 0.23	20 5.0 2.0 5.0	9/10 12:30 μg/L "	1 1 1 1	ed: 06/10/1 CT04187	06/11/10 " "	tt (t	11 11	J
WM-9 (LGC @ Browns Cabin) (CTFC Aluminum Arsenic Copper Iron Zinc Cadmium	20 ND 1.6 35 5.0 ND	5.0 0.85 0.23 7.2 0.93 0.50	20 5.0 2.0 50 2.0 50 2.0 0.50	9/10 12:30 µg/L n n	1 1 1 1	ed: 06/10/7	06/11/10 " " " "	ti ft 11 	il ti tt	J
WM-9 (LGC @ Browns Cabin) (CTFC Aluminum Arsenic Copper Iron Zinc Cadmium WM-6 (MSFS Dam) (CTF0482-08) W	20 ND 1.6 35 5.0 ND	5.0 0.85 0.23 7.2 0.93 0.50	20 5.0 2.0 50 2.0 50 2.0 0.50	9/10 12:30 µg/L " " " Received	1 1 1 1 1	ed: 06/10/7	06/11/10 " " " "	ti ft 11 	il ti tt	J
WM-9 (LGC @ Browns Cabin) (CTFO Aluminum Arsenic Copper Iron Zinc Cadmium WM-6 (MSFS Dam) (CTF0482-08) W Aluminum	20 ND 1.6 35 5.0 ND ater S	5.0 0.85 0.23 7.2 0.93 0.50 ampled: 06/6	20 5.0 2.0 50 2.0 0.50 0.50	9/10 12:30 µg/L n n	1 1 1 1 1	ed: 06/10/1 CT04187	06/11/10 " " " "	11 11 11 11	II II II II	J
WM-9 (LGC @ Browns Cabin) (CTFO Aluminum Arsenic Copper Iron Zinc Cadmium WM-6 (MSFS Dam) (CTF0482-08) W Aluminum Arsenic	20 ND 1.6 35 5.0 ND ater S:	5.0 0.85 0.23 7.2 0.93 0.50 ampled: 06/6	20 5.0 2.0 50 2.0 0.50 2.9/10 12:50 20 5.0	9/10 12:30 μg/L " " Received	1 1 1 1 1 1: 06/10/1	ed: 06/10/7 CT04187 " " " " " " " " " CT04187	06/11/10	06/11/10	и и и и	J
WM-9 (LGC @ Browns Cabin) (CTFO Aluminum Arsenic Copper Iron Zinc Cadmium WM-6 (MSFS Dam) (CTF0482-08) W Aluminum Arsenic Copper	20 ND 1.6 35 5.0 ND ater S	5.0 0.85 0.23 7.2 0.93 0.50 ampled: 06/6 5.0 0.85 0.23	20 5.0 2.0 50 2.0 0.50 0.50 0.9/10 12:50	9/10 12:30 µg/L n Received µg/L n	1 1 1 1 1 1: 06/10/10	ed: 06/10/7 CT04187 " " " " " " " " CT04187 " " " " " " " " " " " " " " " " " " "	06/11/10	06/11/10	и и и и	J
WM-9 (LGC @ Browns Cabin) (CTFO Aluminum Arsenic Copper Iron Zinc Cadmium WM-6 (MSFS Dam) (CTF0482-08) W Aluminum Arsenic	20 ND 1.6 35 5.0 ND ater S:	5.0 0.85 0.23 7.2 0.93 0.50 ampled: 06/6	20 5.0 2.0 50 2.0 0.50 29/10 12:50 20 5.0 2.0	9/10 12:3/	1 1 1 1 1 1: 06/10/10	ed: 06/10/2 CT04187 " " " " " " " " " " " " " " " " " CT04187	06/11/10	06/11/10	и и и и	J

6/16/10 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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-7b (CTF0482-09) Water	Sampled: 06/09/1	0 13:00	Received: 0	6/10/10 09	:15					
Aluminum	19	5.0	20	μg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	. д
Arsenic	ND	0.85	5.0	It	1	II	II	IJ	n	
Copper	26	0.23	2.0	11	. 1	ėl –	**	li .	н	•
Iron	60	7.2	50	11	1	, 11	**	rt .	I)	
Zinc	7.5	0.93	2.0	14	1	11	. 11	11	11	
Cadmium	ND	0.50	0.50	II	1	11	It	11	• "	
WM-7c (CTF0482-10) Water	Sampled: 06/09/1	0 13:05	Received: 0	6/10/10 09	2:15					
Aluminum	22	5.0	20	μg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	n	1	II	11	n	11	
Copper	0.45	0.23	2.0	n -	1		II .	u		J
Iron	27	7.2	50	, di	1	li .	#	11	11	J
Zine	2.0	0.93	2.0	17	1	Ħ	Н	II	Ü	J
Cadmium	ND	0.50	0.50	ti	1	It	Ħ	11	11	
WM-7a (CTF0482-11) Water	Sampled: 06/09/1	0 13:25	Received: 0	6/10/10 09	9:15	<u></u>				
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	π -	1	II	₽?	B	n .	
Copper	28	0.23	2.0	ŧŧ	1	n	11	II	н	
Iron	70	7.2	50	n	1	#1	n	u	ţi	
Zinc	4.9	0.93	2.0	п	1	. 11	17	11	11	
Cadmium	ND	0.50		IT.	1	ti ·	11 .	11	If	•
WM-11 (CTF0482-12) Water	Sampled: 06/09/2	10 14:20	Received:	6/10/10 0	9:15				<u>.</u>	-
Aluminum	39	5.0		μg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85		11	1	tt.	R	l†	11	
Copper	8.5	0.23		11	. 1	ti	II	И	11	
Iron	ND	7.2		п	1	\$1	n		п	
Zine	2.5	0.93		11	1	D ·	**	19	Ħ	
Cadmium	ND	0.50		15	1	"	н	II		

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-12 (CTF0482-13) Water	Sampled: 06/09/1	0 14:30	Received: 0	6/10/10 09):15					·
Aluminum	35	5.0	20	μg/Ľ	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	19	1	li .	II	11	B	
Copper	12	0.23	2.0	. 41	1	II	II	Ħ	"	
Iron .	ND	7.2	50	17	1	II	. "	it .	r,	
Zinc	5.9	0.93	2.0	. #	1	II	п	11	lt .	
Cadmium	ND	0.50	0.50	I†	1	II	И	11	If	
WM-13 (CTF0482-14) Water	Sampled: 06/09/1	0 14:40	Received: 0	6/10/10 09	9:15					
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	11	1	II	н	11	I*	
Copper	0.31	0.23	2.0	11	1	. "	11	. "	ľ	j
Iron	ND	7.2	50	11	1	ll -	Ð	8	19	
Zinc	5.5	0.93	2.0	11	1	II	11	H	u ·	
Cadmium	ND	0.50	0.50	В	1	11		Н	19	
WM-17 (CTF0482-15) Water	Sampled: 06/09/1	0 14:45	Received: 0	6/10/10 09):15			<u>. </u>		
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	II	1	19	II	Ħ	lt .	
Copper	0.26	0.23	2.0	17	1	11	Ħ	ii	H	1
Iron	ND	7.2	50	đ	1	. 11	ti	H	lt	
Zinc	ND	0.93	2.0	tt	1	II	Ħ	H	lt	
Cadmium	ND	0.50	0.50	ti	1	Ü	*1	· II	ır	
WM-18 (CTF0482-16) Water	Sampled: 06/09/1	0 15:20	Received: 0	6/10/10 09	9:15					
Aluminum	5.1	5.0	20	μg/L	1	CT04187	06/11/10	06/11/10	EPA 200.8	į
Arsenic	ND	0.85	5.0	11	1	Ħ	rt .	i)	11	
Copper	0.25	0.23	2.0	lr .	1	11	**	II	u	
Iron	ND	7.2	50	n	1	*1	#	II	11	
Zinc	ND	0.93	2.0	17	1	. 11	tt	0	П	
Cadmium	ND	0.50	0.50	19	1	11	lf .	II	II	

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WM-16 (CTF0482-17) Water	Sampled: 06/09/1	0 15:45	Received: 0	6/10/10 0 9	: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	II	. 1	IT	II	{I	n	
Copper	0.37	0.23	2.0	11	. 1	n	Ħ	n	п	J
Iron	ND	7.2	50	П	1	Ħ	39	it .	11	
Zinc	1.3	0.93	2.0	1f	1	Ħ	19	IF.	11	J
Cadmium	ND	0.50	0.50	II	1	†I	19	II	It	
WM-15 (CTF0482-18) Water	Sampled: 06/09/1	0 16:00	Received: 0	6/10/10 09	15					
Aluminum	39	5.0	20	μ g /L	1	CT04187	06/11/10	06/11/10	EPA 200.8	
Arsenic	ND	0.85	5.0	11	1	If	П	10	ii	
Copper	3.7	0.23	2.0	†I	1	ti	11	10	*	
Iron	ND	7.2	50	$v_{\underline{a}} = 0$	1	11	35	II	a)	
Zinc	ND	0.93	2.0	Ü	1	11		*	li .	
Cadmium	ND	0.50	0.50	11	1	11	II	11	li.	
WM-14 (CTF0482-19) Water	Sampled: 06/09/1	0 16:05	Received: 0	6/10/10 09	9:15	· 			·	
Aluminum	19	5.0	20	μg/Ľ	1	CT04187	06/11/10	06/11/10	EPA 200.8	J
Arsenic	ND	0.85	5.0	11	ì	. N	li	n i	H	
Copper	4.0	0.23	2.0	tı	1	ц	**	II		
Iron	ND	7.2	. 50	II	1	I†	- 10	II	11	
Zinc	2.3	0.93	2.0	If.	1	Ħ	17	it	lf .	
Cadmium .	ND	0.50	0.50	и	İ	11	H	"	η,	
WM-10 (CTF0482-20) Water	Sampled: 06/09/1	17:00	Received: 0	6/10/10 0	9:15					· <u> </u>
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	IP	11	п	11	
Copper	2.2	0.23	2.0		1	†1	H	ü	17	
Iron	ND	7.2	50	ţi	1	11	II	#1	n	
Zinc	5.5	0.93	2.0	11	1	II	n, ·		IJ	
Cadmium	ND	0.50	0.50	n	. 1	14	tt	п	tt	

California Laboratory Services

CRWQCB - Sacramento

Project: Walker Mine

CLS Work Order#: CTF0482

11020 Sun Center Drive, Ste. 200

Project Number: [none]

COC #: 2 Chains

Rancho Cordova CA, 95670-6114

Project Manager: Leticia Valadez

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

			Reporting		Spike	Source		%REC		RPD	
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch CT04167 - General Prep	•			ı							
Blank (CT04167-BLK1)					Prepared	& Analyz	ed: 06/10/	10			
Sulfate as SO4	ND .		0.50	mg/L							
Chloride	ND		0.50	u							
LCS (CT04167-BS1)					Prepared	& Analyze	d: 06/10/	10			
Chloride	2.01		0.50	mg/L	2.00		100	80-120			
Sulfate as SO4	4.95		0.50	и	5.00		99	80-120			
LCS Dup (CT04167-BSD1)					Prepared	& Analyza	d: 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	ŧi	5.00		99	80-120	0.2	20	
Matrix Spike (CT04167-MS1)		Source	CTF0483	-01	Prepared	& Analyze	d: 06/10/	10			
Sulfate as SO4	10.4		0.50	mg/L	5.00	5.37	100	75-125			
Chloride	22.1		0.50	If	2.00	20.7	. 70	75-125			QM-4X
Matrix Spike Dup (CT04167-MSD1)		Source	CTF0483	-01	Prepared	& Analyze	d: 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	и	5.00	5.37	101	75-125	0.3	25	
Batch CT04168 - 6010A/No Diges	tion			••••							
Blank (CT04168-BLK1)					Prepared	& Analyze	d: 06/10/	10			
Calcium	ND	0.031	1,0	mg/L							
Magnesium	ND	0.028	1.0	lı							
Potassium	ND	0.87	1.0	1f							
Sodium	ND	0.021	1.0	II							
Hardness as CaCO3	ND		1.0	lt							

06/16/10 08:00

CRWQCB - Sacramento

Project: Walker Mine

CLS Work Order#; CTF0482

11020 Sun Center Drive, Ste. 200

Project Number: [none]

COC #: 2 Chains

Rancho Cordova CA, 95670-6114

Project Manager: Leticia Valadez

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

Analyte	Result	MOL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CT04168 - 6010A/No Diges	tion	,									
LCS (CT04168-BS1)					Prepared	& Analyze	ed: 06/10/	10			
Calcium	9.65	0.031	1.0	mg/L	10.0		96	80-120			
fagnesium	11.2	0.028	1.0	ti .	10.0		112	80-120	-		
otassium	9.70	0.87	1.0	U	10.0		97	80-120			
odium	11.2	0.021	1.0	II	10.0	•	112	80-120			
.CS Dup (CT04168-BSD1)			_		_Prepared	& Analyze	d: 06/10/	10			
Calcium	9.84	0.031	1.0	mg/L	. 10.0		98	80-120	2	20	
/lagnesium	11.4	0.028	1.0	H	10.0		114	80-120	2	20	
otassium	9.79	0.87	1.0	H	10.0		98	80-120	1	20	
odium ·	11.4	0.021	1.0	Н	10.0		114	80-120	2	20	
Matrix Spike (CT04168-MS1)		Source	: CTF0482	-01	Prepared	& Analyze	ed: 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	tt	10.0	1.70	106	75-125			
otassium	9.90	0.87	1.0	Ţĺ	10.0	ND	99	75-125			
odium	13.1	0.021	1.0	11	10.0	2.68	104	75-125			•
Aatrix Spike Dup (CT04168-MSD1)		Source	: CTF0482	-01	Prepared	& Analyze	ed: 06/10/	10	_		_
Calcium	14.1	0.031	1.0	mg/L	10.0	5.24	88	75-125	0.1	25	
/agnesium	12.3	0.028	1.0	II	10.0	1.70	106	75-125	0	25	
otassium	9.96	0.87	1.0	JI.	10.0	ND	100	75-125	0.6	25	
odium	13.1	0.021	1.0	11	10.0	2.68	104	75-125	0.3	25	
Batch CT04169 - General Prepar	ation			,							.,
Blank (CT04169-BLK1)					Prepared	& Analyzo	ed: 06/10/	10			
Specific Conductance (EC)	ND		1.0}	ımhos/cı	m						

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

]	Reporting		Spike	Source		%REC		RPD	
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch CT04172 - General Prep	aration								,		
Blank (CT04172-BLK1)					Prepared:	06/10/10	Analyzed	I: 06/11/10			
Methylene Blue Active Substances	ND		0.10	mg/L							
CS (CT04172-BS1)					Prepared:	06/10/10	Analyzed	l: 06/11/10		 	
Methylene Blue Active Substances	0.483	•	0.10	mg/L	0.500		97	80-120			
CS Dup (CT04172-BSD1)					Prepared:	<u>06/10/10</u>	Analyzed	l: <u>0</u> 6/11/10			
lethylene 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	l: 0 <u>6/11/</u> 10		<u> </u>	
fethylene Blue Active Substances	0.494		0.10	mg/L	0.500	ND	99	75-125			
Iatrix Spike Dup (CT04172-MSD	1)	Source:	CTF0482	-01	Prepared:	06/10/10	Analyzed	l: 06/11/10			
Methylene Blue Active Substances	0.497		0.10	mg/L	0.500	ND	99	75-125	0.6	2 5	
Batch CT04196 - General Prep	aration								4.		_
Blank (CT04196-BLK1)					Prepared	& Analyz	ed: 06/11/	10			
otal Alkalinity	ND	•	5.0	mg/L	-						
Bicarbonate as CaCO3	ND		5.0	(1							
Carbonate as CaCO3	. ND		5.0	(5					-		
lydroxide as CaCO3	ND		5.0	H				•			
Duplicate (CT04196-DUP1)		Source:	CTF0482	-01	Prepared	& Analyz	ed: 06/11/	10			
Total Alkalinity	21.8		5.0	mg/L		2 2 .4			3	20	
Bicarbonate as CaCO3	21.8		5.0	(1		22.4			3	20	
Carbonate as CaCO3	ND		5.0	. 0		ND	÷			20	
Hydroxide as CaCO3	ND		5.0	11		ND				20	

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

Апаlyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CT04202 - General Pre	paration										
Blank (CT04202-BLK1)					Prepared:	06/11/10	Analyzed	: 06/14/10			
Total Dissolved Solids	ND		10	mg/L							
Duplicate (CT04202-DUP1)		Source	: CTF0482	2-08	Prepared:	06/11/10	Analyzed	: 06/14/10			
Total Dissolved Solids	123		10	mg/L		119			3	20	

06/16/10 08:00

CRWOCB - Sacramento

Zinc

Cadmium

11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114 Project: Walker Mine

Project Number: [none]

Reporting

Spike

Source

Project Manager: Leticia Valadez

CLS Work Order#: CTF0482

RPD

COC #: 2 Chains

%REC

Metals by EPA 200 Series Methods - Quality Control CLS Labs

%REC Limits RPD Limit Notes Limit Result Units Level Result MDL Analyte Batch CT04189 - EPA 3020A Prepared & Analyzed: 06/11/10 Blank (CT04189-BLK1) μg/L ND 5,0 20 Aluminum ND 0.85 2.0 Arsenic 1.0 ND 0.23 Copper 7.2 50 ND Iron ND 0.93 2.0 Zinc 0.50 ND 0.50 Cadmium Prepared & Analyzed: 06/11/10 LCS (CT04189-BS1) 80-120 105 5,0 20 μg/L 105 Aluminum 103 80-120 100 0.85 103 2.0 Arsenic 80-120 110 100 110 0.23 1.0 Copper 80-120 120 100 7.2 50 120 Iron 80-120 2.0 100 108 108 0.93 Zinc 80-120 103 10.3 0.50 0.50 10.0 Cadmium Prepared & Analyzed: 06/11/10 LCS Dup (CT04189-BSD1) 80-120 5 111 20 111 20 μg/L 100 5.0 Aluminum 80-120 2 20 100 105 2.0 105 0.85 Arsenic 80-120 20 100 113 113 0.23 1.0 Copper 80-120 5 20 QM-1 126 7.2 50 100 126 Iron 113 80-120 20 100 113 0.93 2.0 Zinc 105 80-120 20 0.50 10.0 10.5 0.50 Cadmium Prepared & Analyzed: 06/11/10 Source: CTF0482-01 Matrix Spike (CT04189-MS1) 75-125 73.5 108 181 20 μg/L 100 5.0 Aluminum 75-125 ND 105 100 2.0 105 0.85 Arsenic 100 0.570 103 75-125 1.0 103 0.23 Copper 75-125 89.3 103 100 7.2 50 193 Iron 75-125

2.0

0.50

0.93

0.50

104

10.6

100

10.0

2.79

ND

102

106

75-125

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 - 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			<u>_</u>	_							
Matrix Spike (CT04189-MS2)	-	Source	: CTF0482	-10	Prepared	& Analyze	d: 06/11/	<u> </u>			
Aluminum	168	5.0	20	μ g/L	100	69.3	98	75-125			
Arsenic	104	0.85	2.0	11	100	ND	104	75-125			
Copper	104	0.23	1.0	II	100	0.640	103	75-125			
Iron	200	7.2	50	11	100	94. 8	105	75-125			
Zinc	103	0.93	2.0	fi	100	ND	103	75-125			•
Cadmium	10.6	0.50	. 0.50	If	10.0	ND	106	75-125			
Matrix Spike Dup (CT04189-MSD1)		Source	e: CTF0482	-01	Prepared	& Analyze	ed: 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	11	100	0.570	104	75-125	0.9	25	
Iron	203	7.2	50	μ	100	89.3	113	75-125	5	25	
Zinc	105	0.93	2.0	11	100	2.79	102	75-125	0.5	25	
Cadmium	10.6	0.50	0.50	n	10.0	ND	106	75-125	0.5	25	
Matrix Spike Dup (CT04189-MSD2)		Sourc	e: CTF0482	-10	Prepared	& Analyz	ed: 06/11/	10			
Aluminum		5.0	20	μg/L	100	69.3	106	75-125	4 .	25	
Arsenic	105	0.85	2.0	Ħ	100	ND	105	75-125	2	25	
Copper	106	0.23	1.0	ıı	100	0.640	105	75-125	2	25	
Iron	207	7.2	50	lį	100	94.8	112	75-125	4	25	
Zinc	106	0.93	2.0	0	100	ND	106	75-125	3 -	25	
Cadmium	10.6	0.50	0.50	Ħ	10.0	ND	106	75-125	0.3	25	

06/16/10 08:00

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

Project Number: [none]

Project: Walker Mine

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)	<u> </u>	·			Prepared	& Analyze	d: 06/11/	10			· ·
Aluminum	ND	5.0	20	$\mu g/L$			•				
Arsenic	ND	0.85	5.0	II							
Copper	ND	0.23	2.0	II							
Iron	ND	7.2	50	*1							
Zinc	ND	0.93	2.0	11							
Cadmium	ND	0.50	0.50	ıt							
LCS (CT04187-BS1)					Prepared	& Analyz	ed: 06/11 <u>/</u>	10			
Aluminum	104	5.0	20	μg/L	100		104	80-120			
Arsenic	102	0.85	5.0	10	100		102	80-120			
Copper	105	0.23	2.0	II	100		. 105	80-120			
Iron	108	7.2	50	31	100		108	80-120			
Zine	. 102	0.93	2.0	. #	100		102	80-120			
Cadmium	10.3	0.50	0.50	ıı	10.0		103	80-120			
LCS Dup (CT04187-BSD1)					Prepared	& Analyz	ed: <u>06/11/</u>	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	11	100	÷	107	80-120	2	20	
Iron	107	7.2	. 50	If .	100		107	80-120	0.3	20	
Zinc	106	0.93	2.0	п	100		106	80-120	4	20	
Cadmium	10.5	0.50	0.50	И	10.0		105	80-120	1	20	
Matrix Spike (CT04187-MS1)		Sourc	e: CTF0482	2-01	Prepared	& Analyz	ed: 06/11/	10			
Aluminum	127	5.0	20	μg/L	100	27.3	99	75-125			
Arsenic	104	0.85	5.0	ب. تا	100	ND	104	75-125			
•	103	0.23	2.0	п	100	0.510	102	75-125			
Copper	135	7.2	50	ır	100	23.2	112	75-125			
Iron Zinc	105	0.93	2.0	n	100	3.37	101	75-125			
Zinc Cadmium	10.5	0.50	0.50	11	10.0	ND	105	75-125			

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 - Quality Control CLS Labs

	** •		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD.	RPD Limit	Notes
Analyte	Result	MDL	Limit	Onns	Tevel	Kosuit	/IICEC	· ·		- Date	
Batch CT04187 - EPA 3020A			_								
Matrix Spike (CT04187-MS2)		Source	CTF0482	-11	Prepared	& Analyze	d: 06/1 <u>1/</u>	10			
Aluminum	120	5.0	20	μ g/L	100	18.2	101	75-12 5			
Arsenic	108	0.85	5.0	IJ	100	ND	108	75-125			
Copper	127	0.23	2.0	11	100	28.2	98	75-125		÷	
Iron	184	7.2	50	17	100	70.1	114	75 -125			
Zinc	1 1 1	0.93	2.0	11	100	4.89	106	75-12 5			
Cadmium.	10.9	0.50	0.50	IJ	10.0	ND	109	7 5- 125			
Matrix Spike Dup (CT04187-MSD1)		Source:	CTF0482	-0 <u>1</u>	Prepared	& Analyz	ed: 06/11/	10	<u> </u>		
Aluminum	128	5.0	20	μg/L	100	27.3	1 01	75-125	1	25	
Arsenic	108	0.85	5.0	**	100	ND	108	75-125	3	25	
Copper	106	0.23	2.0	31 -	100	0.510	106	75-125	3	25	
Iron	133	7.2	50	Ħ	100	23,2	110	75-125	1	25	
Zinc	107	0.93	2.0	1)	100	3.37	104	75-125	2	25	
Çadmium	10.9	0.50	0.50	II	10.0	ND	109	75-125	4	25	
Matrix Spike Dup (CT04187-MSD2)		Source:	CTF0482	2-11	Prepared	& Analyz	e <u>d: 06/11/</u>	10			
Aluminum	120	5.0	20	μg/L	100	18.2	102	75-125	0.1	25	
Arsenic	105	0.85	5.0	11	100	ND	105	.75-125	3	25	•
Соррег	130	0.23	2.0	11	100	28.2	· 10 1	75-125	2	25	
Iron	175	7.2	50	E)	100	70.1	105	75-125	5	25	
Zinc	108	0.93	2.0	17	100	4.89	103	75-125	3	25	
Cadmium	10.6	0.50	0.50	II	10.0	ND	106	75-125	3	25	

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

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.

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

CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

INSPECTION REPORT

17 August 2010

DISCHARGER:

Walker Mine, Abandoned and Unclaimed Private Property

LOCATION & COUNTY:

Plumas County

CONTACT(S):

Central Valley Water Board, Jeff Huggins

INSPECTION DATE:

19-23 July 2010

INSPECTED BY:

Jeff Huggins, Water Resources Control Engineer

ACCOMPANIED BY:

Elmer Brown and Jeremy Micallef, Becks Enterprises

COMMENTS:

During the week of July 19-23 Central Valley Water Board staff supervised the inspection, maintenance, and repairs of the ventilation system in the 700 Level Adit of the Walker Mine by Beck's Enterprises Inc. (Beck's). The work was authorized in a 10 June 2010 Memorandum from the State Water Resources Control Board, Division of Financial Assistance Deputy Director Barbara Envoy to Central Valley Water Board Executive Officer Pamela Creedon. The work performed is described in this inspection report and a photo log of the work performed is also attached.

CONDITIONS:

Weather conditions were clear and warm during the week with temperatures outside of the adit in the mid 80°s Fahrenheit. Inside the 700 Level Adit, depending on the location within the adit, conditions were both wet and dry with temperatures of about 55° Fahrenheit.

DAILY ACTIVITIES:

18 July 2010 – Central Valley Water Board staff and the Contractor (Beck's) mobilized to Portola California to begin work at the Walker Mine. Staff met briefly with the contractor to discuss access to the mine site, proposed start time, status of equipment and supplies, and location of local suppliers.

19 July 2010 – 6:30 am: Mobilized to the Walker Mine with the contractor.

6:30-9:00: Unload and setup equipment and supplies (see photos 1-6).

9:00am: Preliminary safety meeting before entering 700 Level Adit. Tested radio communications gear for both the mine entry and telecommunications for access to 911 emergency services. Initial reconnaissance of the first 400 lineal feet of the 700 Level Adit was performed using multi-gas detector which continuously monitors for oxygen levels. Required oxygen levels were within the acceptable parameters of 19.5 to 22 percent oxygen.

9:30-11:30 am: Removed old ventilation fan flexible exhaust line and install new flexible line (see photo 4).

Approved:	

11:30-1:30 pm: Jerry Snapp of the California Department of Occupational Safety and Health, Mining and Tunneling Unit is on-site to conduct the prejob safety meeting.

1:30-3:30: Test generator and fan (see photos 7-12). Fan motor runs for approximately 20 seconds and trips motor control circuit overload switches. Several more attempts to run fan in both forward and reverse resulted in continual tripping of circuit overload switches in less than 20 seconds. Trouble shoot problem, by going through all electrical circuits, connectors, and generator controls. No success.

3:30-6:00 pm: Offsite to find qualified large power electrician to trouble shoot fan motor problem. Call seven different electrical contractors (Dave's Generator, Compass Equipment, AIC Electric, Allens Electric, Gray Eagle Electric, Grizzly Electric, and Burritt Electric). Return calls from Compass, AIC, and Burritt. Conduct short phone interviews with each to determine experience and availability. Burritt has experience with large power systems at Nevada Cement Plant, is local and is available Tuesday morning. Select Burritt and make arrangements for his services to be paid by Becks Enterprises as a subcontractor.

20 July 2010 - 6:30 am: Meet John Burritt and mobilized to Walker Mine with him.

7:30-11:00 am: John Burritt and Elmer Brown trouble shoot fan electrical motor problems. After testing generator output, each power cable and connectors, motor control switch gear and circuit breakers, and finally the fan motor, John Burritt finds that the fan motor had been previously rewired to run on 3 phase 208/240 voltage. Both the fan motor plate and job specifications had indicated that the fan motor was 3 phase 480 voltage.

With this information, the generator was switched to run on 3 phase 230 voltage and the fan performed successfully in both the forward and reverse mode. Under start-up conditions (full load amps), the amperage of the fan motor climbed to 40 amps and took nearly 30 seconds to draw down to the normal operating range of approximately 4 amps. John Burritt surmised that the fan would run more efficiently and draw less startup amperage if wired correctly in the future (3 phase 480 voltage).

7:30-11:00am: Jeremy, Larry, and Jimmy start re-hanging ventilation ducting (see photos 15-16). Suspension wire (photo 17) obtained by Beck's is of better quality than required in the Scope-of-Work. Therefore, single wrapping of 18-inch Schauenburg ducting is allowed by staff. Additionally, because most timber sets are skin-to-skin suspension wire cannot be hung from the cap timbers. As such, 20-penny nails are driven into competent timbers high-up on each rib and the suspension wire and 18-inch Schauenburg ducting hung from that anchor point (see photo 18).

11:30-4:30pm: 600 feet of ventilation ducting re-hung during the day. Fan tested in both the forward (exhaust) and reverse (blow) mode. Better air flow was achieved in the exhaust mode and that mode was maintained for the duration of the project.

21 July 2010 – 6:30 am: Mobilize to Walker Mine. Meet with the contractor and discussed planned activities. Plan is to finish hanging vent ducting in the timbered section today (up to Station 1,100). Some of the bell ends of the vent ducting are cracked or split and may not seal correctly. Decide to rotate ducting so splits are towards the outside of the rib where they can be inspected and sealed if necessary. Elmer to inspect a portion of the unsupported section of the 700 Level Adit depending on airflow and ground conditions.

8:30-11:30: Good progress in re-hanging vent ducting up to the Station 1,000. Some unsupported ground near Station 1,000 required support (photo 20). Beck's used some of the Regional Water Boards stockpiled pressure treated 3"x12" timber for this work.

11:30-4:30 pm: Finished hanging vent line in the timbered section, start transition to the floor. Inspect, sound, and perform minor scaling all the way to the Walker Mine seal (Station 2,675). Overall unsupported ground conditions are good. Minor evidence of rock fall from the back and ribs. Geologic material is decomposed granite (DG) and granodiorite. DG is weathered and granodiorite is heavily fractured with evidence of water and clay in the fractures (photos 21-22). A brief inspection of the mine seal was made by staff (photos 23-24). The seal appeared to have a minor seepage estimated at 0.1-0.25 gallons per minute. This compares with previous estimates made during other site visits.

22 July 2010 – 6:30 am: Mobilize to Walker Mine. Meet with the contractor and discussed planned activities. Plan is to finish transition of the vent ducting from the timbered section (hanging) to the floor, to seal the ducting joints where they are leaking in the timbered section only, patch the vent ducting at the damaged sections, mark/paint the Station Numbers at 100-foot intervals, advance the communication line from the timbered section to the mine seal, and cleanup construction debris from current and previous work.

9:30 am Transition of vent ducting from hanging to the floor is complete, Beck's is starting on sealing the joints of the 20-foot long ducting in the timbered section.

9:30-3:30 pm: Beck's works on finishing sealing vent ducting joints and cleanup of trash in the timbered section while staff replaced the four large (12 volt) deep cycle marine batteries with similar recharged batteries. These batteries provide continuous power for the GE Druck data transmitter and the Telog data logger. Staff also replaced the two small (3 volt) Telog data recorder batteries (photos 29-30). The data recorder batteries had gone approximately 6 years without replacement and had failed during our 9 June 2010 inspection while we were downloading data from the recorder.

Because staff was unable to change the 3-volt batteries within the allotted 20 seconds, the original programming and stored data on the Telog data recorder were lost. However, a duplicate of the stored data is retained on the Walker Mine lap top computer and on the Central Valley Water Boards T drive. Staff reprogrammed the Telog data recorder and obtained a data recorder reading of 6.68-mAmps (123 feet of pressure head). This correlated reasonably with the last recorder reading during the 9 June 2010 inspection of 6.92-mAmps (134 feet of pressure head).

23 July 2010 – 6:30 am: Mobilize to Walker Mine. Meet with the contractor and discuss planned activities. Plan is for Beck's to repair the crushed vent ducting at Station 1,940 that was damaged from scaling activities during a prior inspection. Beck's to finish advancing the communications line to the mine seal and test, and take ventilation readings throughout the 700 Level Adit. Board staff will inspect mine seal and valves for leakage and corrosion.

7:30-10:30am: Becks repaired the crushed vent ducting at Station 1,940 by cutting sections from extra vent ducting and constructing a sleeve over the damaged section. Patch works fairly well. Beck's assisted staff in testing the Regional Water Boards Walker Mine

communication gear. Communication gear works fairly well, but has some limitations regarding mobility and call out (e.g. no squawk box function). Both operators have to be on the line at the same time using prearranged communications schedule.

10:30am-3:00pm: Staff inspected the mine seal and valves. Slight leakage noted in upper left hand corner of the mine seal. Leakage appears to be coming through the contact between the overlying granodiorite formation and the mine seal. As discussed above, the mine seal appeared to have minor seepage estimated at 0.1-0.25 gallons per minute. On the left hand side of the adit, water was pooled immediately below the mine seal to a depth of approximately 18-inches (see photo 24). This water is retained by spilled concrete on the floor of the adit, which is presumably from the mine seal construction. Once the pooled water tops over the spilled concrete abutment, it quickly infiltrates into the floor of the adit within approximately 100 feet of the end of the concrete. The floor of the adit and drainage ditch is dry from that point to nearly the timber section of the 700 Level Adit.

The two 4-inch shutoff valves and auxiliary valves were loosely covered with thin plastic bags to protect the valves from seeping water from the mine seal and the roof. Staff carefully removed the plastic covering and inspected the 4-inch shutoff valves originally installed with the mine seal in 1987. The pressure gauge installed on the right hand 4-inch stainless steel drain pipe indicated a gauge reading of approximately 50 pounds per square inch which corresponds to a approximately 116 feet of pressure head.

The rotary, manual, handwheel actuator for each valve are painted cast iron. The actuators are encrusted with metal oxide deposits and show external corrosion due to constant exposure of acidic water from the mine seal area (photos 31-32). The exterior of the valves themselves are lightly corroded but appear to be in good condition. The downstream 4-inch auxiliary backup valves made of stainless steel that were installed during 2001 Walker Mine Seal Testing show little evidence of corrosion (photo 33).

Because of time constraints and limited mechanical tools on hand, no effort was made to operate the primary control valves or the downstream backup valves. Staff covered the valves with heavy duty visqueen bags and exited the adit. Staff recommends that during the regular 2010 pre-winter inspection that Board staff be prepared to test the operation of the valves in accordance with the procedures outlined in the section 7 of the Walker Mine Seal Testing and Evaluation Report (GEI Consultants, 1 March 2002).

SUMMARY:

During the week of July 19-23rd Central Valley Water Board staff supervised a contractor in the inspection, maintenance, and repairs of the ventilation system in the 700 Level Adit of the Walker Mine. All work was performed in general accordance with the scope of work and has been completed. The Walker Mine ventilation system is operable, but with some limitations as noted in this Central Valley Water Board inspection report and in Beck's inspection report dated 26 July 2010.

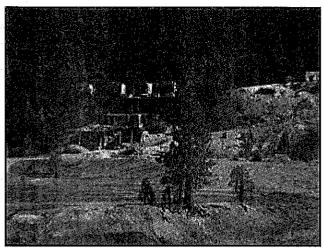


Photo 1. Walker Mine mill foundations.

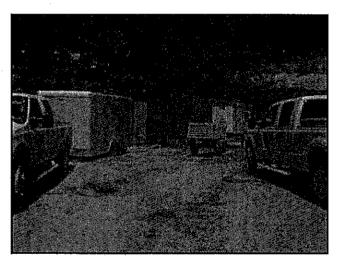


Photo 2. Walker Mine portal area.

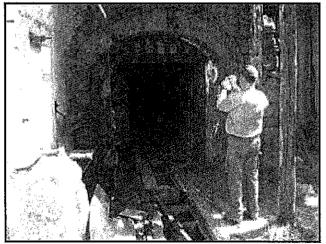


Photo 3. Walker Mine 700 Level Adit Entrance.

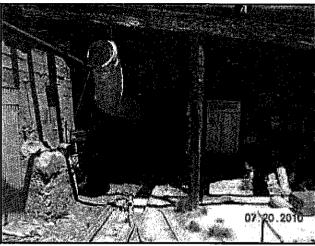


Photo 4. Ventilation fan flexible exhaust ducting.

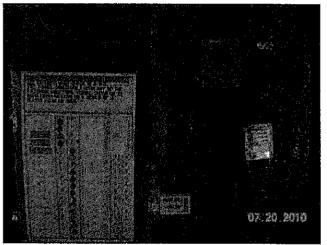


Photo 5. In/out board, fan motor control box, and mine phone.

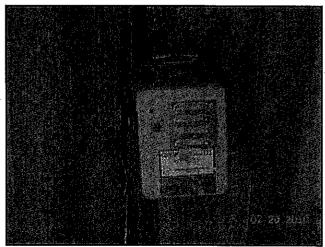


Photo 6. Temporary internal mine phone provided by Beck's.



Photo 7. Ventilation fan motor control box provided by Central Valley Water Board.

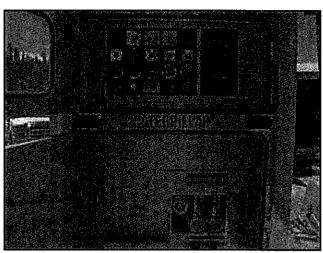


Photo 10. Generator control panel.

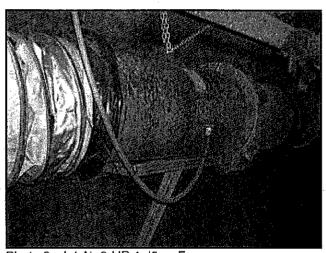


Photo 8. Jet Air 3-HP Axiflow Fan.

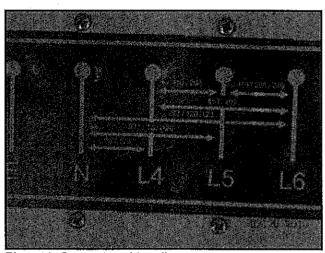


Photo11. Generator wiring diagram.

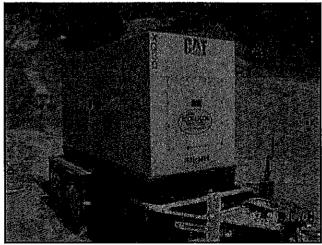


Photo 9. CAT 40KW Diesel Generator.

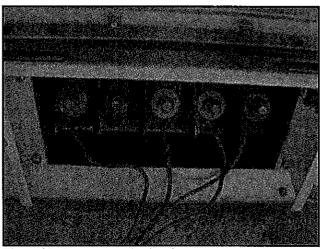


Photo 12. Generator wired to fan motor control box electrical leads.

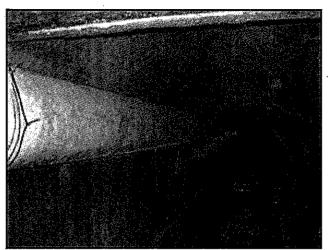


Photo 13. 18-inch Schauenburg rigid ventilation ducting hung in the concrete/culvert section.



Photo 16. Looking towards the adit entrance, showing Beck's rehanging the ventilation ducting.

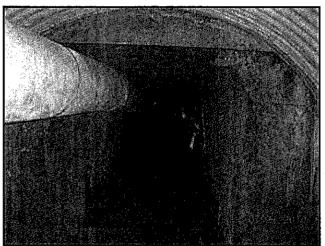


Photo 14. 18-inch rigid ventilation ducting hung at transition from culvert to timbered section.

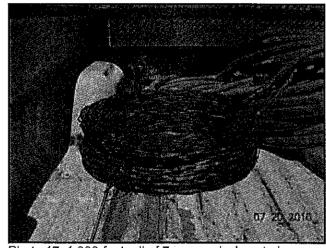


Photo 17. 1,000-foot roll of 7-gauge vinyl coated galvanized tie wire.



Photo 15. Showing collapsed ventilation ducting on the floor of the adit 60 feet into the timbered section.

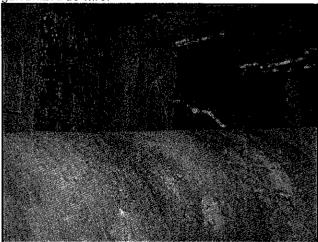


Photo 18. Rigid ventilation ducting wrapped with tie wire and hung from 20-penny nail sunk into timber support.

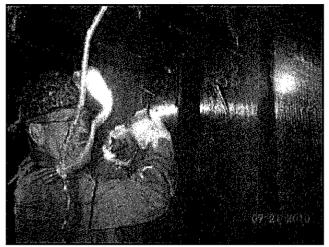


Photo 19. Rehanging the ventilation system.



Photo 22. Picture of unsupported ground showing fractures in the granodiorite.

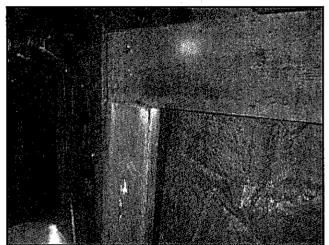


Photo 20. Additional ground support placed near Station 1,000.



Photo 23. Walker Mine seal at Station 2675. Black plastic visqueen bags cover the 4-inch shutoff valves.

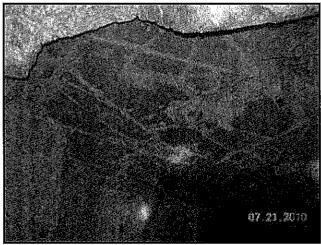


Photo 21. Unsupported section of the 700 Level Adit just past the timbered section.



Photo 24. Showing water leaking from the area of the mine seal pooled below the 4-inch shutoff valves.

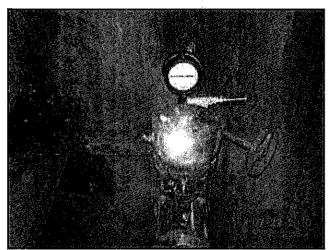


Photo 25. Showing the pressure gauge and GE Druck pressure sensor attached below the pressure gauge.

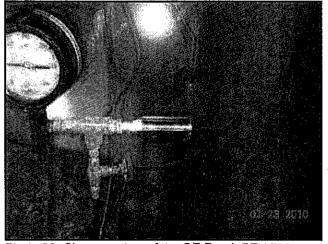


Photo 26. Close-up view of the GE Druck PTX 520 industrial pressure transmitter.

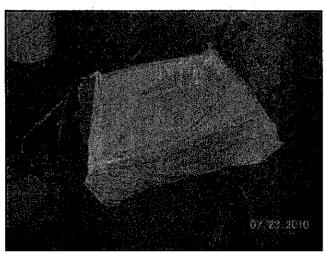


Photo 27. Plastic box near the mine seal containing the GE Druck Sensor Termination Enclosure.

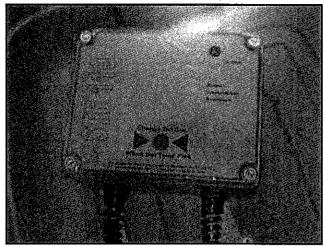


Photo 28. Close-up view of previous photo. Wiring strung along the floor of the length of the adit connects the pressure transmitter with the data logger.



Photo 29. Telog data logger located near the transition from culvert to timbered section of the 700 Level Adit.

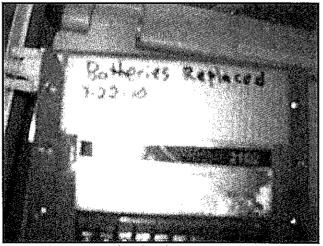


Photo 30. Notation showing that batteries in the data logger had been replaced.

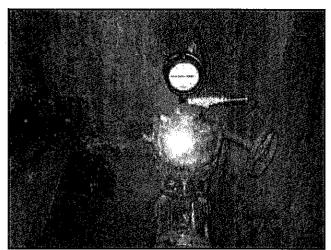


Photo 31. Right hand side shutoff valve.

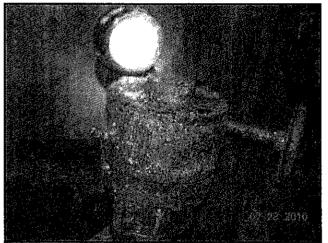


Photo 32. Shutoff valve actuator housing and 6-inch diameter handwheel shows signs of heavy corrosion.

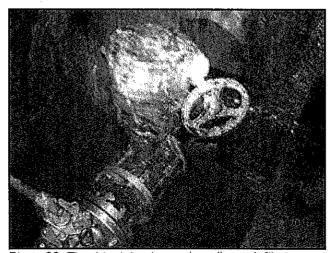


Photo 33. The 4-inch backup valves (lower left) show little sign of corrosion.

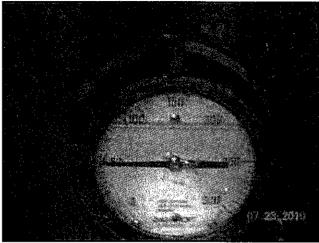


Photo 34. Hydraulic pressure reading of 50 psi or approximately 116 feet of head.



Photo 35. Showing termination of 18-inch ventilation ducting approximately 20 feet from the mine seal.



Photo 36. Looking towards the 700Level Adit portal. Light in center of the photo is portal opening 2,675 feet from the mine seal.

BECK'S ENTERPRISES

3105 Sierra St. Riverbank, Ca. 95367 15278 Monreal Rd. Madera, Ca. 93636



becksinc@gmail.com

July 26, 2010

Project: IFB No. 10-038-150

Attention: Jeff Huggins

California Valley Water Board

Regarding: Safety and stabilization of the Walker Mine 700' Access Tunnel.

During the site work of repairing the ventilation system in the access tunnel at the 700' Level of the Walker Mine an inspection was completed by Jeff Huggins (Central Valley Water Board) and Beck's Enterprises (Elmer Brown and Jeremy Micallef). The results of this inspection are summarized in this letter report dated July 23, 2010. This inspection will also include a review of the repairs previously completed.

The west reach of the 700' level access tunnel at the Walker Mine from station 0+00 to station 3+50⁺ has experienced an ancient major slide above the portal, causing partial tunnel collapses (possibly during construction of the access tunnel or while mining operations were on going), leaving loose displaced rock and ground above the tunnel in heights from 8' to 60'. The scarp on the hillside is 60' High 150' wide.

The first reach of the tunnel station 0+00 to station $0+15^{\pm}$ is concrete lined approximately 15^{2} of the tunnel appears to be in good condition along with the portal. Recommendation: no maintenance at this time.

The second reach of the tunnel station 0+15 to station 2+55 is galvanized steel corrugated pipe with 10^{2±} cross section. This reach of the tunnel appears to be in good condition. Recommendation: no maintenance at this time.

The third reach of the tunnel (station 2+55 to station 11+35) is Timbered Sets, Posts and Caps. There are signs of long term staining and deteriorating timbers with water seepage coming through the fractures and joints of the rocks. Areas could be seen where timbers sets had been replaced during previous repairs. Timber Posts and caps are placed skin to skin to support the heavy weight of loose ground and displaced rocks, extending approximately 350' into the tunnel from the west portal beneath the ancient slide. During the inspection July 23, 2010 it was noted 10% of the existing timber sets need to be replaced due to continuing deterioration (refer to Timber Pictures).



The fourth reach of the access tunnel (station 11+35 to station 26+00) was inspected and scaled down as recommended for the necessary maintenance repairs of the ventilation system. This reach of the tunnel was unlined and without any rock reinforcement. Elmer Brown found the tunnel to be horseshoe shaped with a current width of 8'[±] and a height of 9'[±]. The unlined reach was approximately 1,465'[±]. The rock masses appear to be generally blocky resulting from faults and joints in the rock. Very few rocks were seen in the invert that had previously fallen from air slacking. There are signs of long term staining water and mud seepage coming through fractures and joints; however there are few signs of instability. Some tight rear vertical joints in the roof were observed and have several discontinuities and joints that could lead to instability in the future. A few areas could be seen where spot rockbolting could be used to improve the long term stability of the tunnel.

Ventilation System

The 18" Jet Air 3 hp ventilation fan motor would not run on 3-phase 480 voltage as indicated on the fan motor plate, this problem required the services of a qualified electrician to inspect, test and diagnose. The electrician found that the fan motor had been rewired for 3 phase 208/240 voltage. The fan could potentially perform better if rewired for 3 phase 480 voltage, but probably it is too small (won't produce sufficient ventilation) for future construction activities. Ventilation fans are designed to run both in forward (exhaust) or reverse (blow). Beck's Enterprises performed tests on both directions and recommends that running the fan in the forward (exhaust) position in order to provide proper air flow.

It is recommended that the current 18" inch Jet Air 3 hp Ventilation System in the Walker Mine 700 Level Adit should be increased or changed to support any future construction activities. The air velocity in the Walker Mine varied through the different reaches in the Adit Tunnel. Due to the reduction in size of some reaches in the Adit Tunnel, and distance the ventilation fan had to maintain the positive pressure through out these reaches.

Example: The C.M.P. reach maintained a positive pressure of 30 LFM, due to it being larger a cross section. The Timber reach maintained a positive pressure of 60 LFM due to the reduction in size of the cross section of this reach. In the Bald Headed section the pressure varied from 45 LFM at St. 12+00 to at the Bulk Head where air flow had decreased to a level that was not measurable. Due to the increased size of the cross section of the Bald Headed reach the condition of the ground changes. The Ribs and Back of the Adit Tunnel are irregular which causes turbulence thus decreasing the air flow due to the length of the ventilation system as well as the turbulence created by the rough walls in this cross section of the Adit Tunnel.



As stated in the Title Eight Regulations Subchapter 20. Tunnel Safety Orders Article 12. Ventilation and Dust Control, 8437. Ventilation and Air Quality.

- (a) Fresh air shall be provided in adequate quantities to all underground work areas. The supply shall at least be sufficient to prevent dangerous or harmful accumulations of dusts, fumes, vapors or gases, and shall not be less than 200 cubic feet per minute for each person underground and 100 cubic feet per minute per brake horse power on a diesel engines. The lineal velocity of the air flow in the tunnel bore shall not be less than 60 feet per minute in those tunnels where blasting or rock drilling is conducted or where there are other conditions that are likely to produce dusts, fumes, vapors or gases in harmful quantities.
- (b) The main ventilation system shall be so arranged that the air flow can be reversed or shut off from the surface.

SUMMARY

The results of our site inspection indicated minor stability problems due to rotting timber, post & caps. Although it is unlikely that a large failure will occur, (which could block the tunnel), erosion of the weathered rock will continue without remedial measures.

Beck's Enterprises recommends, the Central Valley Water Board consider installing rockbolts as required. Conditions in unlined tunnels with highly jointed rock and fractures such as these can change rapidly.

Beck's enterprises recommends, the Central Valley Water Board consider replacing rotten timber sets, post and caps as outlined above in this report.

As with the timbered reach of the tunnel, it is critical that any ground that requires support be reinforced as quickly as possible. It is simpler, faster and less expensive to support ground that is still keyed together than after movement has occurred and may still be in progress. Ground that is open but still keyed, is to some extent self-supporting. This fact means that the total rock load does not need to be supported, as with the timbered reach of this tunnel where a previously partial or total tunnel collapse had occurred (station 0+00 to station 9+50[±] possibly during construction). Some of the unlined portion of the tunnel should have some maintenance however the tunnel condition are such that there is no clear dividing line regarding where to start or stop maintenance work.



Walker Mine 700 Level Adit Safety Evaluation

This Evaluation was created to inform and increase the awareness of the Potential Hazards, Proper Equipment and Safety Procedures for future visits or Construction Activities at the Walker Mine Site.

Prior to the entry and the onsite work completed at the Walker Mine 700 Level Adit Job Site. A series of Safety precautions and procedures were devised and implemented in order to safely complete the construction tasks required and to protect the safety of Beck's Enterprises Personnel and the Central Valley Water Board. The procedures included but were not limited to the creation of a site specific Emergency Action Plan, a JSSA (Job Specific Site Analysis) and the Safety Training and Orientation required by the Title Eight TSO and Division of Mining and Tunneling Cal OSHA Regulations.

Subchapter 20. Tunnel Safety Orders, Article 2. Definitions
Tunnel- An underground passageway, 30 inches in diameter or greater, excavated by
employees working below the earth's surface, that provides a subterranean route along
which employees, equipment or substances can move; other then passageways excavated
by mine or quarry operators in connection with such operations. For the purpose of these
safety orders, "tunnels" include shafts, raises, underground chambers and premises
appurtenant thereto.

An initial mandatory job site inspection with the Mining and Tunnel Division of Cal OSHA representative Jerry Snapp included Beck's Enterprises personnel and the Central Valley Water Board Engineer, Jeff Huggins. The ATA (Atmosphere) was monitored with an Industrial Scientific 5 Gas I.T.X. Gas Detection Meter for any potential Toxic and or Explosive Gases during this inspection. Ventilation checks where made through out the inspection with a Davis Low Speed Anemometer and the air flow were evaluated to determine the limitations of Construction activities allowed during the Walker Mine 700 Level Adit Repairs. (see attached Gas Logs) The Air Quality through out the Walker Mine was sufficient with the O₂ varying from 20.9 to 20.7. No toxic gasses were recorded. The Air Movement throughout the Walker mine varied with different sections with readings from 10 LFM to 60LFM. At the Bulkhead the airflow was unreadable due to the low flow.

Walker mine has not been ventilated for a long time period, and the air has had very little movement, the gases that exist in the mine atmosphere can separate and stratify according the specific gravity (weight) of each gas in the mixture. Very light gases such as methane and carbon monoxide will rise to the overhead, and heavier gases such as carbon dioxide will descend to low lying areas. Other gases, including oxygen will stratify somewhere between the crown and the invert, but you can never know in advance just what level any gas will be in because you can never know what gases are present, or how much of any particular gas exists, until you test the atmosphere.



The air movement caused simply by walking through the stratified gases causes mixing of the stratified gas with the other gases, possibly even seemingly good air. The resulting mixture may be incapable of supporting respiration, and the person may not be able to evacuate the mine.

Stratification of gases can happen over short distances or long distances, so it is important to test for gases starting at the portal and test continuously for the duration of the mine exploration. When entering a mine, DO NOT BE IN A HURRY.

Walker Mine 700 Level Adit CMP (Corrugated Metal Pipe)

The CMP was found to be in good condition and provides safe access.

Walker Mine 700 Level Adit Timber Set Section-

Many of the timbers throughout the Timber Set reach of the Walker Mine 700 Level Adit that have once supported the rock above, have oxidized and rotted. Although they may remain in-place and appear to provide support, they could be totally ineffective. In order to provide future access and maintain safety for personnel for maintenance and inspection purposes some of the timber sets should be replaced.

Walker Mine 700 Level Adit Bald Headed Section-

During the inspection of the Bald Headed section, areas in the Walker Mine 700 Level Adit were noted and addressed as potential hazards, due to the excessive amount of mud that is seeping into the mine through fractures and seams located in the back and ribs of the mine. Unlike caves, mines are artificial, temporary openings designed to last as long as it takes to extract the ore. When a mine is abandoned, there is no longer a maintenance program to address deteriorating rock conditions and weakened ground supports. Naturally occurring caves are formed over thousands of years by relatively stable processes, whereas mines are created by blasting, which destabilizes the rock that is left in place. Soft, stratified rock types, such as shale, tend to collapse easily, but often in small pieces. Harder, more massive rock types such as granite, limestone, or sandstone collapse less frequently, but often more catastrophically in large blocks. Keep in mind that mines often follow fault zones, which are inherently unstable.



GUIDELINES FOR WALKER MINE ADIT LEVEL 700 FUTURE MAINTAINCE OR INSPECTION

- 1. Underground exploration teams must realize that the Walker Mine Adit Level 700 is an unnatural, unstable, and temporary openings with a unique set of potential hazards. Spelunking (natural cave exploration) experience is <u>not</u> a substitute for underground mine experience.
- 2. Underground teams should be comprised of at least two people. If three or more people are present, one person will remain at the mine entrance. The exploration crew will check in with this person at predetermined time intervals.

As stated in the Title Eight Regulations Subchapter 20. Tunnel Safety Orders Article 4. Safety Precautions, 8410. General Safety Precautions.

- (d) At least one designated person shall be on duty outside of all tunnels whenever anyone is working underground. This person's duties shall not interfere with his/her ability to secure aid for those persons underground in case of emergency.
- 3. At least one person on the team will need to be trained and experienced in underground mine safety and hazard recognition. This individual will lead the underground team and instruct inexperienced team members on potential hazards, underground mine safety procedures, and the use of safety equipment.
- 4. Safety equipment for each individual will include, but not be limited to:
- Hardhat
- Steel-toed Footwear
- Proper Lighting, at least two reliable lights, plus additional batteries each person.
- Eye Protection safety glasses are recommended; contact lenses are discouraged.
- 5. In addition to the above equipment, the lead person will be equipped with and use:
- Scaling Bar
- Air Monitoring Equipment recommend using a multi-gas detector which continuously monitors for oxygen, carbon monoxide, hydrogen sulfide and explosive gasses. The meter should have a visual display of gas concentrations, with warning lights and audible alarms that illuminate and sound when a PEL level of any of these gases is detected.



WHERE TO TEST

Test gases

- overhead,
- at your head (breathing) level,
- chest level,
- waist level,
- knee level and
- at your foot level (floor).

MINIMUM GASES TO TEST FOR IN TUNNELS ARE:

- Oxygen (O₂)
- Carbon Monoxide (CO)
- Methane (CH₄)
- Carbon Dioxide (CO₂)
- Hydrogen Sulfide (H2S)

The dangers associated with the mine gases is one reason why extreme caution, <u>proper instrumentation</u>, and approved procedures should be used when descending into a mine.

ALWAYS BE CAREFUL AND TEST YOUR GASES!

You must remember that a mine atmosphere is very small compared to the atmosphere outside, so dangerous gases can build up quickly. MINE GASES

The composition of clean, dry air at sea level is 78.08% nitrogen, 20.95% oxygen, 0.93% argon, 0.03% carbon dioxide, and 0.01% other gases. Air composition can be altered in underground mines for a number of reasons. Some gases are poisonous, some gases are not poisonous, but all gases that are not oxygen can kill you simply by displacing the oxygen and suffocating you. So, always test continuously for the oxygen content in a mine atmosphere to be certain that you have enough oxygen to keep you safe and alive

6. Underground teams will maintain voice contact with each other at all times.



CHANGE: A Major Reason for Caution

The Walker Mine 700 Level Adit Site is dynamic. That means that the conditions in and around the mine can change over time, even a short period of time. Rock stability will deteriorate with time, so a portal or drift that may have been stable previously may now be a death trap. A heavy snow pack or a torrential spring storm may cause subsidence of a shallow mine feature, leaving a treacherous opening which may not have existed the last time a site was visited. Erosion may uncover new hazards such as abandoned explosives or openings that were not properly closed in the past.

Perhaps the most dynamic aspect of change at Walker Mine 700 Level Adit Site is <u>airflow</u>. Airflow can influence a mine's internal configuration due to fluctuations in temperature, and changes in atmospheric pressure.

Mines are often described as "breathing", in that airflow at a given opening may be static, incast, or outcast under different atmospheric conditions. Because of these air movements, a particular area may have good air on one site visit and bad air on the next visit. Air quality may even change in the course of an extended site visit. When conducting underground inspections, note the direction of airflow, especially at intersections where air from a different source may be encountered. Keep in mind that temperature and pressure changes may reverse airflow, bringing contaminated or oxygendeficient air from different parts of a mine into an area that previously had good air.

In conclusion of the Walker Mine Level 700 Adit Repairs and Inspection and Safety Inspection the primary potential hazards that has been identified by Beck's Enterprises are the high levels of mud that is seeping through the fractures and seams weakening the integrity of these localized areas throughout bald headed section. Many areas throughout the timber section were identified as oxidized and rotted. In addition the current 18" Jet Air 3 hp Ventilation System in the Walker Mine 700 Level Adit should be replaced by a larger fan with higher pressures to support any future construction/maintenance activities. For the safety and integrity of the Walker Mine Level 700 Adit for future inspection and maintenance procedures these areas should be addressed.

If desired, we could provide assistance to the Central Valley Water Board in the design of the recommended repair measures and in the field during scaling, installation of rockbolts, and replacement of timber sets, post & caps.

Thank you, Project Manager Elmer Brown



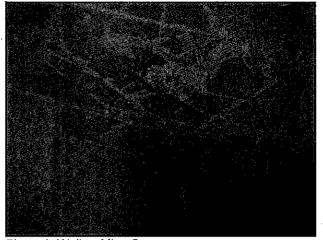


Photo 1. Walker Mine Seam

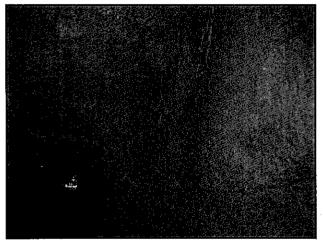


Photo 2. Vertical Seam without Support.

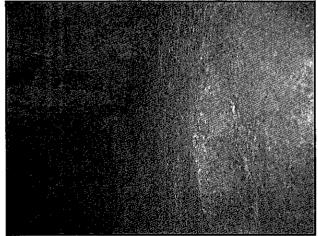


Photo 3. Vertical Mud Seam.



Photo 4. Stalls under Rock.

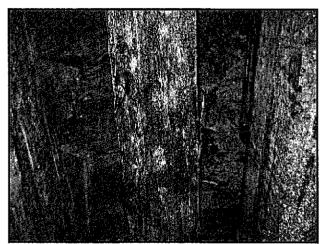


Photo 5. Rotten Timber – 4 inch penetration.

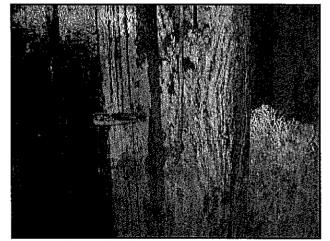


Photo 6. Rotten Timber – 4 inch penetration Vertical Mud Seam.

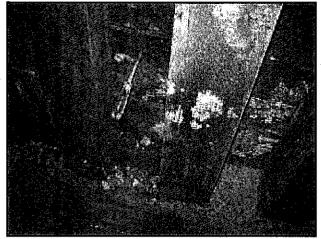


Photo 7. Rotten Timber 4.

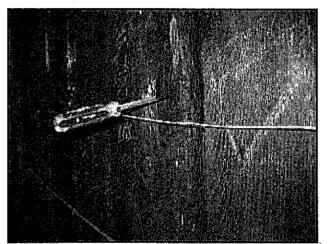


Photo 8. Rotten Timber 3.



Photo 9. Rotten Timber 2.



Photo 10. Rotten Timber 1.



Photo 11. Rock Scaling and Sounding.

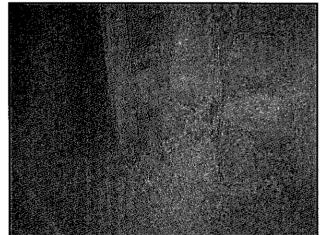


Photo 12. Rock Fall and Mud.

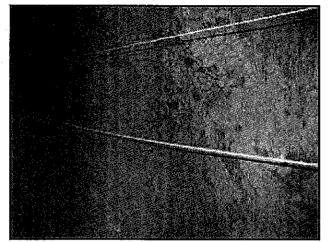


Photo 13 Mud Seeping into Invert.

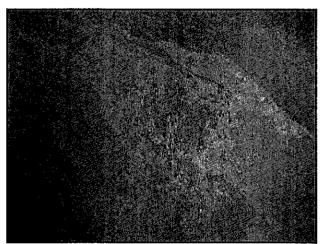


Photo 14. Mud Seam 2.

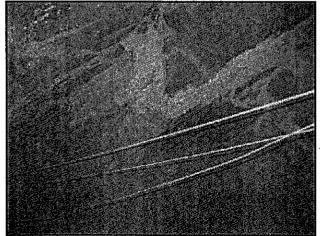


Photo 15. Mud Seam.



Photo 16. Loose Rock-Rotten Timber.

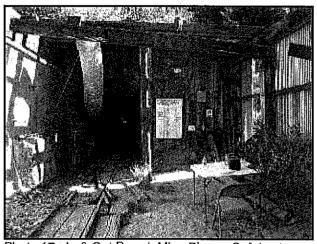


Photo 17. In & Out Board, Mine Phone, Safety etc.



Photo 18. Fractured Rock.

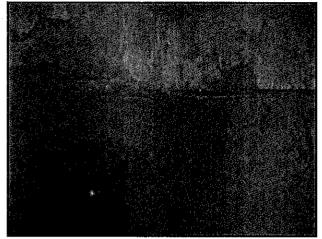


Photo 19. Flat back (mud forced through cracks, mud seeping).



Photo 22. Copper Contaminated Mud.



Photo 20. Discontinuous Seams and Wedges (Needs rock bolts).



Photo 23. Compressed Rotten Timber 2.

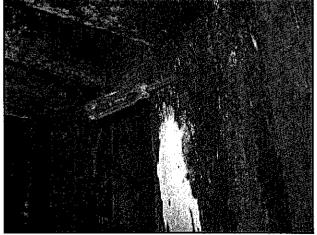


Photo 21. Deteriorating Timber.



Photo 24. Compressed Rotten Timber.

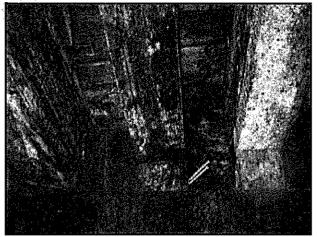


Photo 25. Broken Timber-Loose Rock-Weight 2.

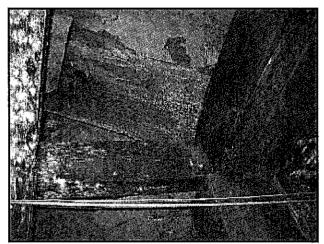


Photo 26. Broken Timber-Loose Rock-Weight.

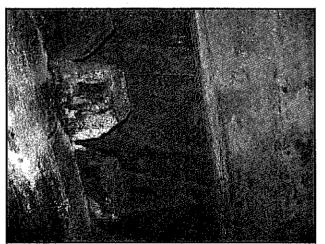


Photo 27. Broken Timber and Crown Bars.

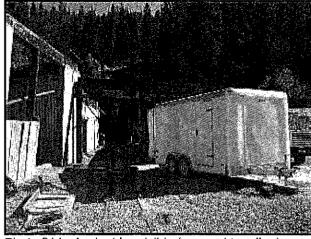


Photo 014. Ancient Landslide (scarp at tree line).

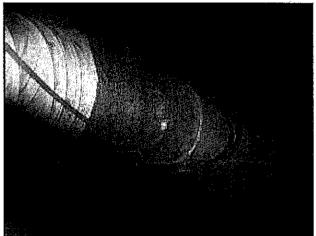


Photo ?. Walker Mine ventilation fan.

EXCELCHEM

Environmental Labs

1135 W Sunset Boulevard Suite A Rocklin, CA 95765 Phone# 916-543-4445 Fax# 916-543-4449



ELAP Certificate No.: 2119

17 December 2010

Leticia Valadez

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200

Rancho Cordova, CA 95670

RE: Walker Mine

Sincerely,

Workorder number:1011135

Enclosed are the results of analyses for samples received by the laboratory on 11/18/10 09:02. All Quality Control results are within acceptable limits except where noted as a case narrative. If you have any questions concerning this report, please feel free to contact the laboratory.

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project: Project Number: Walker Mine

Project Manager:

10-026-150 Leticia Valadez

Date Reported: 12/17/10 14:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WM-1	1011135-01	Water	11/16/10 10:00	11/18/10 09:02
WM-2	1011135-02	Water	11/16/10 10:10	11/18/10 09:02
WM-19	1011135-03	Water	11/16/10 10:25	11/18/10 09:02
WM-3	1011135-04	Water	11/16/10 10:30	11/18/10 09:02
WM-5	1011135-05	Water	11/16/10 10:45	11/18/10 09:02
WM-7B	1011135-06	Water	11/16/10 11:10	11/18/10 09:02
WM-7C	1011135-07	Water	11/16/10 11:15	11/18/10 09:02
WM-6	1011135-08	Water	11/16/10 11:20	11/18/10 09:02
WM-7A	1011135-09	Water	11/16/10 11:45	11/18/10 09:02
WM-4	1011135-10	Water	11/16/10 12:20	11/18/10 09:02
WM-9		Water	11/16/10-12:30	11/18/10 0 9: 02-
WM-12	1011135-12	Water	11/16/10 12:50	11/18/10 09:02
WM-13	1011135-13	Water	11/16/10 13:00	11/18/10 09:02
WM-17	1011135-14	Water	11/16/10 13:05	11/18/10 09:02
WM-18	1011135-15	Water	11/16/10 13:30	11/18/10 09:02
WM-16	1011135-16	Water	11/16/10 13:55	11/18/10 09:02
WM-15	1011135-17	Water	11/16/10 14:00	11/18/10 09:02
WM-14	1011135-18	Water	11/16/10 14:05	11/18/10 09:02
WM-10	1011135-19	Water	11/16/10 14:45	11/18/10 09:02
WM-20	1011135-20	Water	11/16/10 15:10	11/18/10 09:02
WM-30	1011135-21	Water	11/17/10 12:00	11/18/10 09:02
WM-31	1011135-22	Water	11/17/10 12:45	11/18/10 09:02
WM-32	1011135-23	Water	11/17/10 13:00	11/18/10 09:02

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200

Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number:

10-026-150

Project Manager: Leticia Valadez

Date Reported: 12/17/10 14:20

WM-1 1011135-01 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Calcium	12000	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	4630	50.0	ù	. 11	n	11/29/10	н	
Potassium	919	100	. "	H	n ·	11/29/10	н .	
Sodium	4600	200	n	н	11	11/30/10	н	
Wet Chemistry								
Fotal Alkalinity	58.0	5.00	. mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	58.0	5.00	h	н	n	н	п	
Carbonate Alkalinity	·ND	5.00	'n	n	и	н	11	
Specific Conductance (EC)	112	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND .	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
pH	7.33	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+ B	Field
Total Dissolved Solids	98.0	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Total Hardness	48.0	5.00	n	ATK0171	11/18/10	11/18/10	SM2340B	٠
lon Chromatography	•							
Chloride	ND	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	1.3	0.5	ıı	11	IF.	17	n.	

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Date Reported: 12/17/10 14:20

Project Manager: Leticia Valadez

WM-2 1011135-02 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Vietals by 200 series								
Calcium	15500	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	7900	50.0	n	l†	. н	11/29/10	11	
Potassium	974	100	n.	11	n	11/29/10	П	
Sodium	2830	200	H	. #	n	11/30/10	ħ	
Wet Chemistry								
Cotal Alkalinity	76.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	76.0	5.00	μ	Ņ	N	tr	n	
Carbonate Alkalinity	ND	5.00	И	17	II	ø,	n	
Specific Conductance (EC)	141	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Iydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
эН	7.89	0,100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	107	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Total Hardness	72.0	5.00	II.	ATK0171	11/18/10	11/18/10	SM2340B	
on Chromatography		•	•					
 Chloride	ND	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	ND	0.5	11	и	ч	, n	tl .	

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number: Project Manager: 10-026-150

Leticia Valadez

Date Reported: 12/17/10 14:20

WM-19 1011135-03 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Motole by 200 contes						÷		
Metals by 200 series	02500	100	a		14444	4 4 4 - 14 -		
Calcium	23700	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	5770	50.0	И	И	и	11/29/10	"	
Potassium	ŊD	100	н		н	11/29/10	".	
Sodium	5660	200	, N	II.	1	11/30/10	n	
Wet Chemistry								
Fotal Alkalinity	30.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	30.0	5.00	U	11	17	n	н	
Carbonate Alkalinity	ND	5.00	11	ц	11	"	И	
Specific Conductance (EC)	206	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
рН	7.48	0.100	pH Units	ATK0166	11/18/10.	11/18/10	SM 4500-H+ B	Field
Total Dissolved Solids	161	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Total Hardness	170	5.00	11	ATK0171	11/18/10	11/18/10	SM2340B	
on Chromatography								
Chloride	ND	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	68.2	0.5	И	H	н	17	ļu	

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3 -

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Leticia Valadez

Date Reported: 12/17/10 14:20

WM-3 1011135-04 (Water)

		,						
Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series			*					
Calcium	15000	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	6890	50.0	II.	и	11	11	17	
Potassium	ND	· 100	h	17	11	11/29/10	17	
Sodium	3100	200	" н	и	n	11/30/10	11	
Wet Chemistry								
Cotal Alkalinity	66.0	5.00	. mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	66.0	5.00	11	н	n	h	н	
Carbonate Alkalinity	ND	5.00	п	n	11	н	n	
Specific Conductance (EC)	136	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
эН	7.76	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	112	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
l'otal Hardness	66.0	5.00	И	ATK0171	11/18/10	11/18/10	SM2340B	•
on Chromatography								
Chloride	0.5	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300,0	
Sulfate as SO4	5.0	0.5	D.	11	u	11	pt	

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Leticia Valadez

Date Reported: 12/17/10 14:20

WM-5 1011135-05 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Matala har 200 anning								
Metals by 200 series	11100							
Calcium	11100	· 100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	4310	50,0	n	н	н	rı .	. н	
Potassium	1340	100	н	h	н	11/29/10	ħ	
Sodium	3740	200	н	н	И	11/30/10	н	
Wet Chemistry						-		
Total Alkalinity	54.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	54.0	5.00	н	и	.u	И	, н	
Carbonate Alkalinity	ND	5.00	н	н	u	. н	н	
Specific Conductance (EC)	102	5.00	uS/em	ATK0167	11/18/10	11/18/10	EPA 120,1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
р Н	7.58	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	84.0	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Total Hardness	46.0	5.00	Œ	ATK0171	11/18/10	11/18/10	SM2340B	
Ion Chromatography		a						
Chloride	0.7	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	ND	0.5	11	j)	11	11	11	

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200

Rancho Cordova, CA 95670

Project Mumber: Dr. #200

Project Mumber: Dr. #200

Project Mumber: Leticia Valadez

Date Reported: 12/17/10 14:20

WM-7B 1011135-06 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
			_					
Metals by 200 series							•	
Calcium	14900	100	ug/l	ATK0247	11/24/10	11/29/10	EPA 200.7	_
Magnesium	6740	50.0	н		II	17	17	
Potassium	1040	100	н	It	II	11/29/10	11	
Sodium	3050	200	И	II:	ij	11/30/10	¥	
Wet Chemistry	•	•						
Fotal Alkalinity	68.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	68.0	5.00	И	11	II	17	17	
Carbonate Alkalinity	ND	5.00	и	II .	II	11	11	
Specific Conductance (EC)	134	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	1-1/19/10	SM2320B	
р Н	8.00	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	81.0	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Гotal Hardness	64.0	5.00	II .	ATK0171	11/18/10	11/18/10	SM2340B	
Ion Chromatography								
Chloride	0.5	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	2.0	0.5	II	н	11	h .	n	

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number: Project Manager: 10-026-150

Leticia Valadez

Date Reported: 12/17/10 14:20

WM-7C 1011135-07 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Calcium	15200	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	4510	50.0	11	11	И	11		
Potassium	ND	100	11	н	и	11/29/10	н	
Sodium	4260	200	11	0	н	11/30/10	н	
Wet Chemistry								
Fotal Alkalinity	60.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	60.0	5.00	ħ ,	. н	tr	н	tt.	
Carbonate Alkalinity	ND .	5.00	н	. 17	tr.	н	n .	
Specific Conductance (EC)	128	5,00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
pII	7.54	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+ B	Field
Total Dissolved Solids	32.0	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Total Hardness	58.0	5.00	н :	ATK0171	11/18/10	11/18/10	SM2340B	
Ion Chromatography	. •							•
Chloride	0.6	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	5.7	-0.5	II.	11	И	п	. н	

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3 - S-

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager: Leticia Valadez

Date Reported: 12/17/10 14:20

WM-6 1011135-08 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Calcium	26300	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Agnesium	4280	50.0	0	11	ч	Œ	u	
Potassium	4380	100		11		11/29/10	u .	
Sodium	4830	200	9	17	Ħ	11/30/10	н	
Wet Chemistry							•	
Total Alkalinity	58.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
icarbonate Alkalinity	58.0	5.00	11	: II	. 4	11	' н	
Carbonate Alkalinity	ND	5.00	17	U	11	11	и	
pecific Conductance (EC)	210	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Iydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
H	7.56	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	143	15.0	. mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Total Hardness	98.0	5.00	"	ATK0171	11/18/10	11/18/10	SM2340B	
on Chromatography								
Chloride	0.5	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	44.6	0.5	и	н	n	u	n	

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3- ---

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Leticia Valadez

Date Reported: 12/17/10 14:20

WM-7A 1011135-09 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								4
Calcium	14700	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	6670	50.0	Ħ	n	п	н		
Potassium	1080	100	11	II	н	11/29/10	"	
Sodium	3380	200	11	н	ų	11/30/10	п	
Wet Chemistry								
Total Alkalinity	70.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	70.0	5.00	ĮI	10	п	н	11	•
Carbonate Alkalinity	ND	5.00	,	17	н	It	11	
Specific Conductance (EC)	135	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND -	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
рH	7.98	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	96.0	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Total Hardness	61.0	5.00	ıf	ATK0171	11/18/10	11/18/10	SM2340B	
Ion Chromatography	•							
Chloride	0.5	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	2.1	0.5	n	17	. tl	н .	н	

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number: Project Manager: 10-026-150

Leticia Valadez

Date Reported: 12/17/10 14:20

WM-4 1011135-10 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series							·	
Calcium	14600	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	-
Magnesium	6940	50.0	n	и	n	It	11	
Potassium	1060	100	п.	и	и	11/29/10	u .	Ē
Sodium	3140	200	ři.	ri .	и	11/30/10	. 0	
Wet Chemistry						•		
Fotal Alkalinity	70.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	70.0	5.00	n	и	đ	e	n	
Carbonate Alkalini ty	ND	5.00	il	ħ	ц	17	h	
Specific Conductance (EC)	135	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	ıng/L	ATK0186	11/19/10	11/19/10	SM2320B	
pH.	7.86	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+ B	Field
Fotal Dissolved Solids	97.0	15.0	ıng/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Fotal Hardness	67.0	5.00	ri .	ATK0171	11/18/10	11/18/10	SM2340B	
Ion Chromatography								
Chloride	0.5	0,5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	2.0	0.5	н	q	11	. "	н	

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Dr 2-

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150.

Project Manager: Leticia Valadez

Date Reported: 12/17/10 14:20

WM-9 1011135-11 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Calcium	16600	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
/agnesium	5200	50.0	н	н ,	И	И	. "	
Potassium	1550	100	И	н	0	11/29/10	11	
odium	4020	200	И	н	11	11/30/10	11	
Vet Chemistry								
otal Alkalinity	64.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
icarbonate Alkalinity	64.0	5.00	11	11	D	. "	rj .	
Carbonate Alkalinity	ND	5.00	0	и	n	, н	н	
pecific Conductance (EC)	137	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Iydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Н	7.85	0,100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	113	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
otal Hardness	70.0	5.00	н	ATK0171	11/18/10	11/18/10	SM2340B	
on Chromatography								
Chloride	0.6	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	7.6	0.5	II.	41	0 .	н	'μ	

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2-

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number: Project Manager:

10-026-150 Leticia Valadez Date Reported:

12/17/10 14:20

WM-12 1011135-12 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
- <u>- </u>								<u> </u>
Metals by 200 series	·							
Calcium	2620	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	1120	50.0	н		10	11	п	
Potassium	356	100	н	H	u	11/29/10	H	
Sodium	1120	200	н	н	n	11/30/10	н	
Wet Chemistry								
Total Alkalinity	14.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	14.0	5.00	11	н	н	U	tt.	
Carbonate Alkalinity	ND	5.00	ч	11	H	н	tt.	
Specific Conductance (EC)	25. 4	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	•
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
рЫ	6.50	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	ND	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Total Hardness	10.0	5.00	н	ATK0171	11/18/10	11/18/10	SM2340B	
Ion Chromatography								
Chloride	ND	0.5	mg/L	ATK0217	11/22/10	. 11/22/10	EPA 300.0	• •
Sulfate as SO4	0.5	0.5	0	tr.	u	н .	n	

Excelchem Environmental Lab.

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager: Leticia Valadez

Date Reported: 12/17/10 14:20

WM-13 1011135-13 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
				_				
Metals by 200 series								
Calcium	13900	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	5930	50.0	'n	17	11	н	II	
Potassium	512	100	и	17	И	11/29/10	II	
Sodium	2640	200	ís .	. 11	н	11/30/10	п	
Wet Chemistry		•					_	
Fotal Alkalinity	64.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	64.0	5.00	0	- 11	н	н	н	
Carbonate Alkalinity	ND	5.00	ft	· u	D.	ч	п	
Specific Conductance (EC)	121	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
pΗ	7.28	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	93.0	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Fotal Hardness	62.0	5.00	17	ATK0171	11/18/10	11/18/10	SM2340B	
on Chromatography	·							
Chloride	0.5	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	ND	0.5	н	н	н	н	17	

Excelchem Environmental Lab.

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number: Project Manager: 10-026-150

Leticia Valadez

Date Reported: 12/17/10 14:20

WM-17 1011135-14 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Calcium	17200	100	11~/T	ATK0247	11/04/10	11/30/10	EPA 200.7	
			ug/l	ATKU247	11/24/10	11/30/10	EPA 200.7	
Magnesium	7010	50.0				"	11	
Potassium	1600	100	It	н	и	11/29/10	11	
Sodium	3450	200	11	h	И	11/30/10	tr	
Wet Chemistry						•		
Fotal Alkalinity	84.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	84.0	5.00	II.	н	11	н	n	
Carbonate Alkalinity	ND	5.00	n	U.	w	tt	h	
Specific Conductance (EC)	154	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
рH	7.90	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	102	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Γotal Hardness	74.0	5.00	н .	ATK0171	11/18/10	11/18/10	SM2340B	
on Chromatography								
Chloride	ND	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	-
Sulfate as SO4	0.6	0.5	u u	H	. 11	h	11	

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Leticia Valadez

Date Reported: 12/17/10 14:20

WM-18 1011135-15 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
			-					
Actals by 200 series								
Calcium	17300	100	ug/l	ATK0247	11/24/10	11/29/10	EPA 200.7	
1agnesium	6970	50.0	11	П	U	н	И	
otassium	1930	100	. 0	h	17	11/29/10	и	
odium	3740	200	н	u	17	11/30/10	n	
Vet Chemistry								
Otal Alkalinity	78.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	·
Bicarbonate Alkalinity	78.0	5.00	Ji	17 .	н	11	17	
Carbonate Alkalinity	ND	5.00	h	u	и	11*	11	
pecific Conductance (EC)	150	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Iydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	•
H	7.94	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	111	15.0	mg/L	ATL0022	11/23/10	- 12/06/10	SM 2540C	
Total Hardness	70.0	5.00	er er	ATK0171	11/18/10	11/18/10	SM2340B	
on Chromatography			•					
Chloride	ND	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
ulfate as SO4	ND	0.5	н	ч ,	и	tt.	11	

Excelchem Environmental Lab.

Central Valley Regional Water Quality Control Brd Project: Walker Mine
11020 Sun Center Dr. #200 Project Number: 10-026-150
Rancho Cordova, CA 95670 Project Manager: Leticia Valadez

WM-16 1011135-16 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series			·.					
Calcium	16300	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	6140	50.0	"	1)	0	и.	h	
Potassium	1190	100	n	ĮI.	н	11/29/10	н	
Sodium	3030	200	h	. н	н	11/30/10	и	
Wet Chemistry								
Fotal Alkalinity	72.0	5,00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	72.0	5.00	Ħ	N	н	u ,	н	
Carbonate Alkalinity	ND	5.00	n	17	II	1)	n	
Specific Conductance (EC)	136	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK 0 186	11/19/10	11/19/10	SM2320B	
H	7.89	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+ B	Field
Total Dissolved Solids	109	15.0	mg/L	ATL0 0 22	11/23/10	12/06/10	SM 2540C	
Total Hardness	68.0	5.00	h	ATK0171	11/18/10	11/18/10	SM2340B	-
on Chromatography								
Chloride	ND	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	<u> </u>
Sulfate as SO4	0.6	0.5	. "	11	11	h	P .	

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Date Reported:

12/17/10 14:20

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager: Leticia Valadez

Date Reported: 12/17/10 14:20

WM-15 1011135-17 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Calcium	14300	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	5500	50.0		11	Tr.	ų	ff f	
Potassium	1060	100	h	11	H	11/29/10	l)	
Sodium	2820	200	ч	h	и	12/01/10	H	
Wet Chemistry		•	٠.					
Total Alkalinity	68.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	68.0	5.00	11	ų	11	. 4	41	
Carbonate Alkalinity	ND	5.00	H	и	Ħ	ti.	d.	
Specific Conductance (EC)	121	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
pН	8.01	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+ B	Field
- Total Dissolved Solids	97.0	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Total Hardness	62.0	5.00	II	ATK0171	11/18/10	11/18/10	SM2340B	
Ion Chromatography								
Chloride	ND	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	0.5	0.5	II .	н	н		н .	

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Leticia Valadez

Date Reported: 12/17/10 14:20

WM-14 1011135-18 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Calcium	47100	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	3600	50.0	II	н	н	11/29/10	ii .	
Potassium	873	· 100	11	п	n	11/29/10	n	
Sodium	2760	200	It	и	н	11/30/10	H .	
Wet Chemistry					•			
Total Alkalinity	128	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Biearbonate Alkalinity	128	5.00	h	11	11	H	m ·	
Carbonate Alkalinity	· ND	5.00	н	n .	и ,	II.	11	
Specific Conductance (EC)	263	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
pН	8.00	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	165	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Total Hardness	138	5.00	II	ATK0171	11/18/10	11/18/10	SM2340B	
Ion Chromatography								
Chloride	0.5	0.5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	6.6	0.5	n	17	17	17	v	

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number: Project Manager: 10-026-150

Leticia Valadez

Date Reported: 12/17/10 14:20

WM-10 1011135-19 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
34-401a hay 200 a								
Metals by 200 series	10100						·	
Calcium	19100	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	4030	50.0	0	1)	'n	и	11	
Potassium	ND	100	17	н	н	11/29/10	"	
Sodium	4630	200	11	19	н	12/01/10	19	
Wet Chemistry								
Total Alkalinity	72.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	72.0	5.00	į 10	n	- <u>,</u> 11	11	11	
Carbonate Alkalinity	ND	5.00	'n	11	11	17 .	11	
Specific Conductance (EC)	150	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
pH	8.15	0.100	pH Units	ATK 0 166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	99.0	15.0	mg/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Total Hardness	72.0	5.00	н	ATK0171	11/18/10	11/18/10	SM2340B	
Ion Chromatography								
Chloride	0.5	0,5	mg/L	ATK0217	11/22/10	11/22/10	EPA 300.0	
Sulfate as SO4	6.1	0.5	н	17	н	и	н	

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Central Valley Regional Water Quality Control BrdProject:Walker Mine11020 Sun Center Dr. #200Project Number:10-026-150Date Reported:Rancho Cordova, CA 95670Project Manager:Leticia Valadez12/17/10 14:20

WM-20 1011135-20 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Calcium	17900	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	4640	50.0	0	И	0	n	0	
Potassium	1710	100	0	11	. 0	.11/29/10	11	
Sodium	7010	200	n	11	"	12/01/10	11	
Wet Chemistry					·			
Fotal Alkalinity	68.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	68.0	5.00	Й	11	ıı,	11	н	
Carbonate Alkalinity	ND	5.00	и	11	н	1r	Ħ	
Specific Conductance (EC)	151	5.00	uS/cm	ATK0167	11/18/10 -	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
рН	8.04	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Fotal Dissolved Solids	115	15.0	ıng/L	ATL0022	11/23/10	12/06/10	SM 2540C	
Fotal Hardness	64.0	5.00	н	ATK0171	11/18/10	11/18/10	SM2340B	
Ion Chromatography								
Chloride	0.5	0.5	mg/L	ATK0217	11/22/10	11/23/10	EPA 300.0	
Sulfate as SO4	8.0	0.5	и	þ	И	17	н	

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150 Leticia Valadez

Project Manager: I

Date Reported: 12/17/10 14:20

WM-30 1011135-21 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
						÷		
Metals by 200 series								
Calcium	37800	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	6810	50.0	n	11	n	"	h	
Potassium	2250	100	n	11	U	11/29/10	п	•
Sodium	2740	200	n .	U	tt.	12/01/10	и	
Wet Chemistry		•						
Total Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	ND	5.00	И	U	ħ		t†	
Carbonate Alkalinity	ND	5.00	h	Ħ	n	u	ff.	
Specific Conductance (EC)	400	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
PΗ	4.46	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	309	15.0	mg/L	ATL0022	11/24/10	12/06/10	SM 2540C	
Total Hardness	522	5.00	11	ATK0171	11/18/10	11/18/10	SM2340B	
Ion Chromatography						•		
Chloride	ND	0.5	mg/L	ATK0217	11/22/10	11/23/10	EPA 300.0	

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Leticia Valadez

Date Reported: 12/17/10 14:20

WM-30

1011135-21RE1 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ion Chromatography								
Sulfate as SO4	225	5.0	mg/L	ATK0217	11/22/10	11/23/10	EPA 300.0	

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Central Valley Regional Water Quality Control Brd
Project: Walker Mine
11020 Sun Center Dr. #200
Project Number: 10-026-150
Project Manager: Leticia Valadez
Date Reported:
12/17/10 14:20

WM-31 1011135-22 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
N. (1 1 200)								
Metals by 200 series								
Calcium	37600	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	6790	50.0	н	n .	11	0 .	h	
Potassium	2240	100	н	н	II	11/29/10	н	
Sodium	2760	200	Ħ	п	II	12/01/10	н	
Wet Chemistry								
Fotal Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	ND	5.00	, h	Ü	If	н	н	
Carbonate Alkalinity	ND	5.00	н	. "	н	H	. "	
Specific Conductance (EC)	402	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Н	4.44	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	307	15.0	mg/L	ATL0022	11/24/10	12/06/10	SM 2540C	
Total Hardness	584	5.00	R	ATK0171	11/18/10	11/18/10	SM2340B	
on Chromatography								
Chloride	ND	0.5	mg/L	ATK0217	11/22/10	11/23/10	EPA 300.0	

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Leticia Valadez

Date Reported: 12/17/10 14:20

WM-31

1011135-22RE1 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ion Chromatography								
Sulfate as SO4	238	5.0	mg/L	ATK.0217	11/22/10	11/23/10	EPA 300.0	

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Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number: Project Manager: 10-026-150

Leticia Valadez

Date Reported: 12/17/10 14:20

WM-32 1011135-23 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
		<u>.</u>	_					
Metals by 200 series								
Calcium	2590	100	ug/l	ATK0247	11/24/10	11/30/10	EPA 200.7	
Magnesium	1040	50.0	11	11	11	17	ų	
Potassium	608	100	11	II	11	11/29/10	n ·	
Sodium	2440	200	. 11	II	11	12/01/10	h	
Wet Chemistry								
Total Alkalinity	18.0	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
Bicarbonate Alkalinity	18.0	5.00	li li	11	ir	11	н .	
Carbonate Alkalinity	ND	5.00	ħ	и	11	ři.	и	
Specific Conductance (EC)	30.7	5.00	uS/cm	ATK0167	11/18/10	11/18/10	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	ATK0186	11/19/10	11/19/10	SM2320B	
pН	6.88	0.100	pH Units	ATK0166	11/18/10	11/18/10	SM 4500-H+B	Field
Total Dissolved Solids	77.0	15.0	mg/L	ATL0022	11/24/10	12/06/10	SM 2540C	
Total Hardness	12.0	5.00	H	ATK0171	11/18/10	11/18/10	SM2340B	
Ion Chromatography								
Chloride	1.4	0.5	mg/L	ATK0217	11/22/10	11/23/10	EPA 300.0	
Sulfate as SO4	0.6	0.5	h	Ņ	н	H.	U	

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A -

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Leticia Valadez

Date Reported: 12/17/10 14:20

Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ATK0247 - EPA 200.7		· 								
Blank (ATK0247-BLK1)				Prepared: 1	1/24/10 A	nalyzed: 11	/29/10			
Calcium	ND	100	ug/l							
Magnesium	ND	50.0	и							
Potassium	ND ·	100	и							
Sodium	ND	200	ŋ	•						
Blank (ATK0247-BLK2)				Prepared: 1	11/24/10 A:	nalyzed: 11	/30/10			
Calcium	ND	100	ug/1						- 	•
Magnesium	ND	50.0	11							
Potassium	ND	100	17							
Sodium	ND	200	11							
Blank (ATK0247-BLK3)				Prepared: 1	1/24/10 A	nalyzed: 11	/29/10			
Calcium	ND	100	ug/l							
Magnesium	ND	50,0	и							
Potassium	ND	100	n							
Sodium	, ND	200	. h			•				
LCS (ATK0247-BS1)				Prepared:	11/24/10 A	nalyzed: 11	/29/10			
Calcium	913	100	ug/l	1000		91.3	85-115			
Magnesium	917	50.0	· · · · · ·	1000		91.7	85-115			
Potassium	11100	100	ħ	10000		111	85-115			
Sodium	917	200	н	1000		91.7	85-115			
LCS (ATK0247-BS2)	•			Prepared:	11/24/10 A	nalyzed: 11	/29/10			
Calcium	911	100	ug/l	1000		91.1	85-115			
Magnesium	887	50.0	11	1000		88.7	85-115			
Potassium	10900	100	11	10000		109	85-115			
Sodium	936	200	17	1000		93.6	85-115			

Excelchem Environmental Lab.

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number: Project Manager: 10-026-150

Leticia Valadez

Date Reported: 12/17/10 14:20

Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ATK0247 - EPA 200.7										
LCS (ATK0247-BS3)				Prepared: 1	1/24/10 A	nalyzed: 11	/29/10			
Calcium	949	100	ug/l	1000		94.9	85-115			
Magnesium	889	50.0	17	1000		88.9	85-115			
Potassium	10500	100	P	10000		105	85-115			
Sodium	974	200	Ð	1000		97.4	85-115			
LCS Dup (ATK0247-BSD1)				Prepared: 1	1/24/10 A	nalyzed: 11	/29/10			
Calcium	929	100	ug/l	1000		92.9	85-115	1.69	20	
Magnesium	930	50.0	ħ	1000		93.0	85-115	1.42	20	
Potassium	11000	100	н	10000		110	85-115	1.14	20	
Sodium	933	200	u	1000		93.3	85-115	1.72	20	
LCS Dup (ATK0247-BSD2)				Prepared: 1	1/24/10 A	nalyzed; 11	/29/10			
Calcium	899	100	ug/I	1000		89.9	85-115	1.41	20	
Magnesium	. 871	50.0	u	1000		87.1	85-115	1.83	20	·
Potassium	10600	100	11	10000		106	85-115	3.08	20	
Sodium	. 955	200	ŧr	1000		95.5	85-115	1.97	20	
LCS Dup (ATK0247-BSD3)				Prepared: 1	11/24/10 A	nalyzed: 11	/29/10			
Calcium	916	100	ug/l	1000		91.6	85-115	3.45	20	
Magnesium	894	50.0	н	1000		89.4	85-115	0.547	20	
Potassium	10500	100	н	10000		105	85-115	0.127	20	
Sodium	953	200	н	1000		95.3	85-115	2.19	20	
Matrix Spike (ATK0247-MS1)		Source: 101113	5-06	Prepared: 1	11/24/10 A	nalyzed: 11	/2 9/10		•	
Calcium	15600	100	ug/l	1000	14900	75.0	75-125			
Magnesium	7720	50.0	и	1000	6740	98.3	75-125			
Potassium	11800	100	u	10000	1040	108	75-125			
Sodium	4070	200	11	1000	3050	101	75-125			

Excelchem Environmental Lab.

A- 2----

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number: Project Manager: 10-026-150 Leticia Valadez Date Reported: 12/17/10 14:20

Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ATK0247 - EPA 200.7				·						
Matrix Spike (ATK0247-MS2)		Source: 1011135	5-15	Prepared: 1	1/24/10 Ai	nalyzed: 11	/29/10			
Calcium	19200	100	ug/l	1000	17300	191	75-125			QL-01
Magnesium	7730	50.0	н	1000	6970	76.1	75-125			
Potassium	12700	. 100	н	10000	1930	108	75-125			
Sodium	4610	200	Ìt	1000	3740	87.1	75-125			
Matrix Spike (ATK0247-MS3)		Source: 1011135	5-18	Prepared: 1	11/24/10 A	nalyzed: 11	/30/10			
Calcium	48400	100	ug/l	1000	47100	123	75-125			
Magnesium .	4640	50.0	"	1000	3600	104	75-125			
Potassium	11400	100	И	10000	873	105	75-125			
Sodium	3780	200	н	1000	2760	101	75-125			
Matrix Spike Dup (ATK0247-MSD1)		Source: 101113	5-06	Prepared: 1	11/24/10 A	nalyzed: 11	/29/10			
Calcium	16000	100	ug/l	1000	14900	110	75-125	2.21	25	
Magnesium	7850	5.0,0	17	1000	6740	111	75-125	1.61	25	
Potassium	11700	. 100	l)	10000	1040	107	75-125	0.745	25	
Sodium	4070	200	h	1000	3050	102	75-125	0.171	25	
Matrix Spike Dup (ATK0247-MSD2)		Source: 101113:	5-15	Prepared:	11/24/10 A	nalyzed: 11	1/30/10			
Calcium	19200	100	ug/l	1000	17300	193	75-125	0.0799	25	QL-01
Magnesium	7820	50.0	u u	1000	6970	85.3	75-125	1.18	25	
Potassium	12400	100	11	10000	1930	104	75-125	2.50	25	
Sodium	4610	200	'n	1000	3740	87.2	75-125	0.0236	25	
Matrix Spike Dup (ATK0247-MSD3)		Source: 101113	5-18	Prepared:	11/24/10 A	nalyzed: 11	1/30/10.			
Calcium	47300	100	ug/l	1000	47100	15.6	75-125	- 2.25	25	QL-01
Magnesium	4690	50.0	u	1000	3600	109	75-125	1.07	25	
Potassium	11100	100	11	10000	873	103	75-125	2.20	25	
Sodium	3760	200	11	1000	2760	100	75-125	0.407	25	

Excelchem Environmental Lab.

Central Valley Regional Water Quality Control Brd 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:
Project Number:
Project Manager:

Walker Mine 10-026-150 Leticia Valadez

Date Reported: 12/17/10 14:20

Wet Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ATK0166 - SM 4500-H+ B								-		
Duplicate (ATK0166-DUP1)		Source: 101113	35-22	Prepared &	k Analyzed:	11/18/10				
рН	-4.45	0.100	pH Units		4.44			0.225	20	Field
Duplicate (ATK0166-DUP2)		Source: 101113	35-23	Prepared &	k Analyzed:	11/18/10				
рН	6.89	0.100	pH Units	-	6.88			0.145	20	Field
Batch ATK0167 - EPA 120.1						•				
Duplicate (ATK0167-DUP1)		Source: 101113	35-22	Prepared &	Analyzed:	11/18/10				
Specific Conductance (EC)	399	5.00	nS/cin		402			0.749	20	
Duplicate (ATK0167-DUP2)		Source: 101113	35-23	Prepared &	k Analyzed:	11/18/10				
Specific Conductance (EC)	30.6	5.00	uS/em		30.7			0.326	20	
Batch ATK0171 - SM2340B										
Blank (ATK0171-BLK1)				Prepared &	& Analyzed:	11/18/10				
Total Hardness	ND	5.00	mg/L							
LCS (ATK0171-BS1)				Prepared &	& Analyzed:	11/18/10				
Total Hardness	56.0	5.00	mg/L	50.0		112	80-120			
LCS Dup (ATK0171-BSD1)				Prepared &	& Analyzed:	11/18/10				
Total Hardness	52.0	5.00	mg/L	50.0		104	80-120	7.41	20	
Duplicate (ATK0171-DUP1)	:	Source: 10111	35-12	Prepared &	& Analyzed	11/18/10				
Total Hardness	12.0	5.00	mg/L	_	10,0			18.2	200	

Excelchem Environmental Lab.

3- ---

Central Valley Regional Water Quality Control Brd Project: Walker Mine
11020 Sun Center Dr. #200 Project Number: 10-026-150 Date Reported:
Rancho Cordova, CA 95670 Project Manager: Leticia Valadez 12/17/10 14:20

Wet Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ATK0171 - SM2340B										
Duplicate (ATK0171-DUP2)		Source: 101113	5-23	Prepared &	k Analyzed:	11/18/10				
Total Hardness	16.0	5.00	mg/L		12.0			28.6	200	
Matrix Spike (ATK0171-MS1)		Source: 101113:	5-01	Prepared &	Analyzed:	11/18/10				
Total Hardness	98.0	5.00	mg/L	50.0	48.0	100	75-125			
Matrix Spike Dup (ATK0171-MSD1)		Source: 101113:	5-01	Prepared &	k Analyzed:	11/18/10				
Total Hardness	98.0	5.00	mg/L	50.0	48.0	100 .	75-125	0.00	20	
Batch ATK0186 - SM2320B										
Blank (ATK0186-BLK1)				Prepared &	t Analyzed:	11/19/10				
Bicarbonate Alkalinity	ND	5.00	mg/L							-
Carbonate Alkalinity	ND	5.00	И							
Hydroxide Alkalinity	ND	5.00	и							
Total Alkalinity	ND	5.00	. "	. "						-
Blank (ATK0186-BLK2)		•		Prepared &	ż Analyzed:	11/22/10				
Bicarbonate Alkalinity	ND	5.00	ıng/L	•						
Carbonate Alkalinity	ND	5.00	11					•		
Hydroxide Alkalinity	ND	5.00	11							
Total Alkalinity	ND	5.00	17						-	
LCS (ATK0186-BS1)				Prepared &	k Analyzed:	11/19/10				
Total Alkalinity	104	5.00	mg/L	100		104	80-120			
LCS (ATK0186-BS2)				Prepared &	k Analyzed:	11/22/10				
Total Alkalinity	118	5.00	mg/L	100	-	118	80-120			

Excelchem Environmental Lab.

3- A---

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number: Project Manager: 10-026-150

Leticia Valadez

Date Reported: 12/17/10 14:20

Wet Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ATK0186 - SM2320B										
LCS Dup.(ATK0186-BSD1)	*	·		Prepared &	Analyzed:	11/19/10				
Total Alkalinity	106	5.00	mg/L	100		106	80-120	1.90	20	
LCS Dup (ATK0186-BSD2)				Prepared &	: Analyzed:	11/22/10				
Total Alkalinity	98.0	5.00	mg/L	100		98.0	80-120	18.5	20	
Duplicate (ATK0186-DUP1)		Source: 1011135	5-10	Prepared &	Analyzed:	11/19/10			4	
Bicarbonate Alkalinity	64.0	5.00	mg/L		70.0		•	8.96	20	
Carbonate Alkalinity	ND	5.00	н		ND				20	
Hydroxide Alkalinity	ND	5,00	11		ND				20	
Total Alkalinity	64.0	5.00	11		70.0			8.96	20	
Duplicate (ATK0186-DUP2)		Source: 1011135	5-11	Prepared &	Analyzed:	11/19/10				
Bicarbonate Alkalinity	62.0	5.00	mg/L	4	64.0			3.17	20	
Carbonate Alkalinity	ND	5.00	'n		ND				20	
Hydroxide Alkalinity	ND	5,00	H		ND				20	
Total Alkalinity	62.0	5.00	h		64.0		•	3.17	20	
Matrix Spike (ATK0186-MS1)		Source: 1011135	5-02	Prepared &	k Analyzed:	11/19/10				
Total Alkalinity	180	5.00	mg/L	100	76.0	104	80-120			
Matrix Spike (ATK0186-MS2)		Source: 1011135	5-03	Prepared &	k Analyzed:	11/22/10	-			
Total Alkalinity	. 136	5.00	mg/L	100	30.0	106	80-120			
Matrix Spike Dup (ATK0186-MSD1)		Source: 101113:	5-02	Prepared &	ኔ Analyzed:	11/19/10		٠		
Total Alkalinity	182	5,00.	mg/L	100	76.0	106	80-120	1.10	20	
Matrix Spike Dup (ATK0186-MSD2)	*	Source: 101113	5-03	Prepared &	ն A nalyzed:	11/22/10				
Total Alkalinity	136	5.00	mg/L	100	30.0	106	80-120	0.00	20	

Excelchem Environmental Lab.

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Central Valley Regional Water Quality Control Brd 11020 Sun Center Dr. #200

Rancho Cordova, CA 95670

Project: Project Number: Walker Mine

Project Number: Project Manager: 10-026-150 Leticia Valadez Date Reported: 12/17/10 14:20

Wet Chemistry - Quality Control

Analyte		Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ATL0022 - SM 2540C	•							٠			
Blank (ATL0022-BLK1)					Prepared: 1	1/24/10 A	nalyzed: 12	/06/10			
Total Dissolved Solids		ND	15.0	mg/L							
Blank (ATL0022-BLK2)					Prepared: 1	1/24/10 A	nalyzed: 12	/0 6 /10			
Total Dissolved Solids		ND	15.0	mg/L							
Duplicate (ATL0022-DUP1)			Source: 1011135	5-08	Prepared: 1	1/24/10 A	nalyzed: 12.	/06/10			
Total Dissolved Solids		154	15.0	mg/L		143			7.41	20	
Duplicate (ATL0022-DUP2)			Source: 1011135	5-22	Prepared: 1	1/24/10 A	nalyzed: 12	/06/10			
Total Dissolved Solids		316	15.0	mg/L		307			2.89	20	

Excelchem Environmental Lab.

Central Valley Regional Water Quality Control Brd 11020 Sun Center Dr. #200

Rancho Cordova, CA 95670

Project:
Project Number:
Project Manager:

Walker Mine .

10-026-150 Leticia Valadez Date Reported: 12/17/10 14:20

Ion Chromatography - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPO	RPO Limit	Notes
Batch ATK0217 - EPA 300.0										
Blank (ATK0217-BLK1)				Prepared &	Analyzed:	11/22/10				
Chloride	NO	0.5	mg/L			•				
Sulfate as SO4	NO	0.5	н							
Blank (ATK0217-BLK2)				Prepared &	Analyzed:	11/22/10				
Chloride	ND	0.5	mg/L							
Sulfate as SO4	NO	0.5	17							
LCS (ATK0217-BS1)				Prepared &	k Analyzed:	11/22/10	-			
Chloride	10.4	0.5	mg/L	10.0		104	80-12 0			
Sulfate as SO4	9.0	0.5	n	10.0		90.2	80-12 0			
LCS (ATK0217-BS2)				Prepared:	11/22/10 A	nalyzed: 11	/30/10			
Chloride	10.1	0.5	mg/L	10.0		101	80-120			
Sulfate as SO4	10.5	0.5	н	10.0		105	80-120			
LCS Dup (ATK0217-BSD1)				Prepared &	k Analyzed:	11/22/10				
Chloride	11.4	0.5	mg/L	10.0.		114	80-120	8.91	20	
Sulfate as SO4	9.6	0.5	17	10.0		95.5	80-120	5.79	20	
LCS Dup (ATK0217-BSD2)				Prepared:	11/22/10 _. A	nalyzed: 11	/30/10			
Chloride	10.2	0.5	mg/L	10.0		102	80-120	0.733	20	
Sulfate as SO4	10.6	0.5	н	10.0		106	80-120	1.04	20	
Duplicate (ATK0217-DUP1)		Source: 101113	5-19	Prepared &	k Analyzed:	11/22/10				
Chloride	0.6	0.5	mg/L		0.5			12.1	20	
Sulfate as SO4	6.5	. 0.5	11		6.1			5.84	20	

Excelchem Environmental Lab.

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Leticia Valadez

Date Reported: 12/17/10 14:20

Notes and Definitions

QL-01 Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.

Field This analyte was analyzed outside of the EPA recommended hold time of ASAP and should be analyzed in the field.

ND Analyte not detected at reporting limit.

NR Not reported

Excelchem Environmental Lab.

3 - ----

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200

Project:

Walker Mine

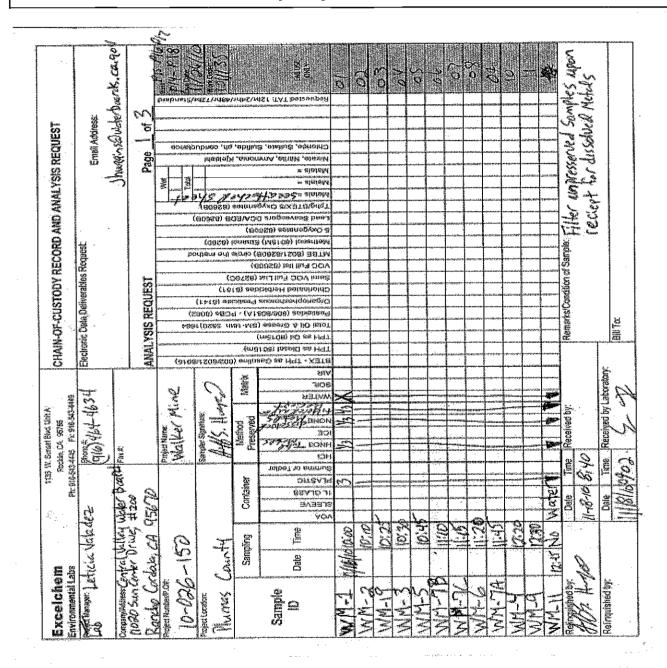
Project Number:

10-026-150

Rancho Cordova, CA 95670 Project Manager:

Leticia Valadez

Date Reported: 12/17/10 14:20



Excelchem Environmental Lab.



Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200

Project:

Walker Mine

Project Number:

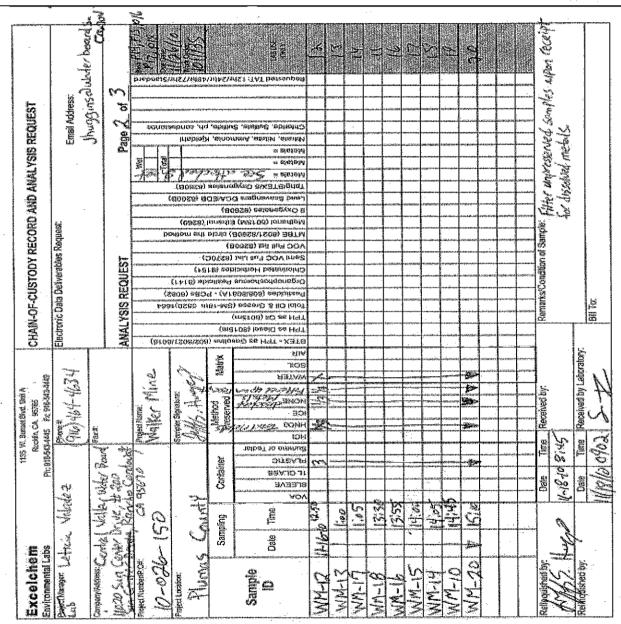
10-026-150

Rancho Cordova, CA 95670

Project Manager:

Leticia Valadez

Date Reported: 12/17/10 14:20



Excelchem Environmental Lab.

Central Valley Regional Water Quality Control Brd

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Leticia Valadez

Date Reported: 12/17/10 14:20

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CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST	eratries Request		EST	**************************************	odkam en	(2000) () (2000)	Chiadrawa Parisca Sens VOC Full Lat VOC Full sal (\$2605) saffer (\$031/62605)					*********				**************************************	2000			RemarksCondition of Sample: Filles and presserved Research for dissolved in	
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Excelchem Ervirenmental Labs		Assay, printed and	1885 S.C.	Paled Municipal Co.			<u>\$</u>	05-MW	WW-31	27.5						SHEETH HARRING CO. CO. CO. CO. CO. CO. CO. CO. CO. CO.				Walley of the Control	Wellingshoot by

Excelchem Environmental Lab.



Central Valley Regional Water Quality Control Brd Project: Walker Mine 11020 Sun Center Dr. #200 10-026-150 Project Number: Date Reported: Rancho Cordova, CA 95670 Leticia Valadez 12/17/10 14:20 Project Manager: WORK ORDER 6/1/35 Sample Integrity Date Received: 11/13/10 Section 1 - Sample Arrival Info **EXCELCHEM Courier** Fed-Ex Other: (Walk-In) Sample Transport: ONTRAC UPS USPS Transported In: (Tee Chest) Box Bubble Wrap Packing Peanuts Feam Describe type of packing materials: Chilled to Touch Samples Received: Has chilling process begun? fee Chest Temperature(s) (°C): Temperature of Samples (°C): Was temperature in Range?! (V) Section 2 - Bottle/Analysis Info. Did all bottles arrive unbroken and intact?
Did all bottle labels agree with COC? Were correct containers used for the tests requested? Were correct preservations used for the tests requested? Was a sufficient amount of sample sent for tests indicated? Were bubbles present in VOA Vials?: (Volatile Methods Only) Section 3 - COC Info. <u>Completed</u> Yes No Completed Yes 140 Comments Analysis Requested Samples errived within holding time Was COC Received Date Sampled Any hold times less than 72 hrs Time Sampled Client Name Sample ID Address/Telephone# Rush TAT Section 4 - Comments / Discrepancies Notified by: Was Client notified of discrepancies: Samples Labeled by: Labels reviewed by:
Bin #s: P/Y, P/S A
COC Scanned/Attached by:

Excelchem Environmental Lab.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Date/Time:



Form completed by:

EXCELCHEM Environmental Labs

1135 W Sunset Boulevard Suite A Rocklin, CA 95765 Phone# 916-543-4445 Fax# 916-543-4449



ELAP Certificate No.: 2119

25 July 2011 Jeff Huggins RWQC Central Valley 11020 Sun Center Dr. #200

Rancho Cordova, CA 95670

RE: Walker Mine

Work order number:1106070

Enclosed are the results of analyses for samples received by the laboratory on 06/02/11 16:00. All Quality Control results are within acceptable limits except where noted as a case narrative. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerery,
•
John Somers, Lab Director

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:
Project Number:
Project Manager:

Walker Mine 10-026-150 Jeff Huggins

Date Reported: 07/25/11 11:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	•	Date Sampled	Date Received
WM-30	1106070-01	Water		. 06/01/11 13:30	06/02/11 16:00
WM-40	1106070-02	Water		06/01/11 13:30	06/02/11 16:00
WM-3	1106070-03	Water		06/01/11 15:50	06/02/11 16:00
WM-19	1106070-04	Water		06/01/11 15:55	06/02/11 16:00
WM-4	1106070-05	Water		06/01/11 16:20	06/02/11 16:00
WM-9	1106070-06	Water	٠.	06/01/11 16:30	06/02/11 16:00
WM-5	1106070-07	Water		06/02/11 07:40	06/02/11 16:00
WM-1	1106070-08	Water	2.5	06/02/11 08:00	06/02/11 16:00
WM-2	1106070-09	Water		06/02/11 08:10	06/02/11 16:00
WM-7A	1106070-10	Water		06/02/11 09:20	06/02/11 16:00
WM-7B	1106070-11	Water		06/02/11 08:45	06/02/11 16:00
WM-7C	1106070-12	Water		06/02/11 08:50	06/02/11 16:00
WM-6	1106070-13	Water		06/02/11 09:00	06/02/11 16:00
WM-20	1106070-14	Water		06/02/11 10:30	06/02/11 16:00

Excelchem Environmental Lab.

Dr 2-

RWQC Central Valley

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Project Number:

Walker Mine

Project Manager:

10-026-150 Jeff Huggins

Date Reported: 07/25/11 11:47

WM-30 1106070-01 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Aetals by 200 series								
Dissolved Aluminum	3860	50.0	ug/l	AUF0201	06/10/11	07/20/11	EPA 200.7	٠
Aluminum	3400	50.0	II	AUF0292	06/09/11	07/19/11		
Dissolved Arsenic	ND	10.0	ų .	AUF0201	06/10/11	07/20/11	. "	
Arsenic	ND	10.0	Ŋ	AUF0292	06/09/11	07/18/11	ч	
Dissolved Cadmium	9.8	5.0	II.	AUF0201	06/10/11	07/20/11	ff _.	
Cadmium	9.1	5.0	11	AUF0292	06/09/11	07/18/11	U	
Calcium	33200	100	11		н	н	H	
Dissolved Copper	11900	. 5.0	11	AUF0201	06/10/11	07/20/11	н	
Copper	11900	5.0	н	AUF0292	06/09/11	07/18/11	н	
Dissolved Iron	100	20.0	"	AUF0201	06/10/11	07/20/11	н	
ron	1090	20.0	n .	AUF0292	06/09/11	07/19/11	Ŋ	
/lagnesium	6140	50.0	Н	n	n	07/18/11	tt .	
otassium	2180	100	II	н	"	и .	u	
Sodium	2760	200	11	н	,,	н	p	
Dissolved Zinc	748	10.0	11	AUF0201	06/10/11	07/20/11	n	
Zine .	621	10.0	H	AUF0292	06/09/11	07/20/11	н	
Wet Chemistry	•							
Total Alkalinity	ND	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
Bicarbonate Alkalinity	ND	5.00	n n	н	ři.	н	11	
Carbonate Alkalinity	ND ·	5.00	lt.	н		,	li .	
Specific Conductance (EC)	348	5.00	uS/cm	AUF0090	06/06/11	06/06/11	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
ЭH	3.99	0.100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H+ B	Field
Total Dissolved Solids	248	15.0	mg/L	AUF0141	06/07/11	06/13/11	SM 2540C	
Total Hardness	378	5.00		AUF0192	06/13/11	06/13/11	SM2340B	

Excelchem Environmental Lab.

RWQC Central Valley

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Jeff Huggins

Date Reported:

07/25/11 11:47

WM-30 1106070-01 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ion Chromatography		·					_	
Chloride	0.7	0.5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	

Excelchem Environmental Lab.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laboratory Representative

RWQC Central Valley

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager: Jeff Huggins

Date Reported: 07/25/11 11:47

WM-30

1106070-01RE1 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ion Chromatography								
Sulfate as SO4	147	5.0	mg/L	AUF0117	06/09/11	06/09/11	EPA 300.0	

Excelchem Environmental Lab.

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:
Project Number:
Project Manager:

Walker Mine 10-026-150 Jeff Huggins

Date Reported: 07/25/11 11:47

WM-40 1106070-02 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Dissolved Aluminum	4300	50.0	ug/l	AUF0201	06/10/11	07/20/11	EPA 200.7	
Aluminum	3340	50.0	n'	AUF0292	06/09/11	07/19/11	11	
Dissolved Arsenic	ND	10.0	. 11	AUF0201	06/10/11	07/20/11	11	
Arsenic	ND	10.0	И	AUF0292	06/09/11	07/18/11	11	
Dissolved Cadmium	10.7	5.0	h	AUF0201	06/10/11	07/20/11	11	
Cadmium	8.8	5.0	II	AUF0292	06/09/11	07/18/11	p	
Calcium	34600	100	И	ħ	11	и	n	•
Dissolved Copper	13500	5.0	н	AUF0201	06/10/11	07/20/11	n	
Copper	12200	5.0	н	AUF0292	06/09/11	07/18/11	b	
Dissolved Iron	111	20.0	It	AUF0201	06/10/11	07/20/11	n	
Iron	851	20.0	ıt	AUF0292	06/09/11	07/19/11	и	
Magnesium	6290	50.0	it .	н	, h	07/18/11	н	
Potassium	2250	100	11	н	н	19	, .Dt	
Sodium	2660	200	11	ч	н	h	. н	
Dissolved Zinc	787	10.0	Ir	AUF0201	06/10/11	07/20/11	ij	
Zine	634	10.0	D	AUF0292	06/09/11	07/20/11	. н	
Wet Chemistry								
Total Alkalinity	ND	5.00	mg/L	. AUF0193	06/15/11	06/15/11	SM2320B	
Bicarbonate Alkalinity	ND	5.00	11	n	11	н	11	
Carbonate Alkalinity	ND	5.00	h	. 10	11	н	11	
Specific Conductance (EC)	348	5.00	uS/cm	AUF0090	06/06/11	06/06/11	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
pH	4.03	0.100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H+B	Field
Total Dissolved Solids	243	15.0	mg/L	AUF0141	06/07/11	06/13/11	SM 2540C	
Total Hardness	280	5.00	"	AUF0192	06/13/11	06/13/11	SM2340B	

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RWQC Central Valley

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Jeff Huggins

Date Reported:

Project Manager:

07/25/11 11:47

WM-40 1106070-02 (Water)

	Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
									_
Io	n Chromatography				_		<u> </u>		
Cl	loride	0.8	0,5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	

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RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number:

10-026-150

Jeff Huggins

Date Reported:

Project Manager:

07/25/11 11:47

WM-40 1106070-02RE1 (Water)

	Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ic	on Chromatography								
Si	ılfate as SO4	143	5.0	mg/L	AUF0117	06/09/11	06/09/11	EPA 300.0	

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RWQC Central Valley

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Walker Mine

Project Number:

10-026-150

Project Manager:

Jeff Huggins

Date Reported: 07/25/11 11:47

WM-3 1106070-03 (Water)

Analyte	Result	Reporting Limit	. Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Dissolved Aluminum	ND	50.0	ug/l	AUF0201	06/10/11	07/20/11	EPA 200.7	
Aluminum	77.4	50.0	1)	AUF0292	06/09/11	07/19/11	u	
Dissolved Arsenic	ND	10.0	tr.	AUF0201	06/10/11	07/20/11	II.	
Arsenic	ND	10,0	Ų	AUF0292	06/09/11	07/18/11	. "	
Dissolved Cadmium	ND	5.0	· u	AUF0201	06/10/11	07/20/11	tr	
Cadmium	ND	5.0	#	AUF0292	06/09/11	07/18/11	11	
Calcium	9580	100	U	II	"	u	11	
Dissolved Copper	26.8	5.0	0	AUF0201	06/10/11	07/20/11	н	
Copper	27.4	5.0	ħ	AUF0292	06/09/11	07/18/11	11	
Dissolved Iron	106	20.0	11	AUF0201	06/10/11	07/20/11	н	
Iron	1 1 9	20,0	n	AUF0292	06/09/11	07/19/11	и	
Magnesium	4620	50.0	п	11	Ņ	07/18/11	Ħ	
Potassium	892	100	н	U	н	n	н	
Sodium	2480	200	п	11	11	n	tt	
Dissolved Zinc	ND	10.0	и	AUF0201	06/10/11	07/20/11	t)	
Zine	ND	10.0	. н	AUF0292	06/09/11	07/20/11	· u	
Wet Chemistry								
Total Alkalinity	46.0	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
Bicarbonate Alkalinity	46.0	5.00	Ū.	н	tr	u	†I	
Carbonate Alkalinity	ND	5.00	et e		11	tr.	H .	
Specific Conductance (EC)	88.3	5.00	uS/cm	AUF0090	06/06/11	06/06/11	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
pH	7.33	0.100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H+ B	Field
Total Dissolved Solids	72.0	15.0	mg/L	AUF0141	06/07/11	06/13/11	SM 2540C	
Total Hardness	44.0	5.00	"	AUF0192	06/13/11	06/13/11	SM2340B	

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RWQC Central Valley

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

nager: Jeff Huggins

Date Reported: 07/25/11 11:47

WM-3 1106070-03 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ion Chromatography								
Chloride	0.6	0.5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	
Sulfate as SO4	1.8	0,5	O	и	ù	И	М	

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RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project Number:

Walker Mine

10-026-150 Jeff Huggins

Project Manager:

Date Reported: 07/25/11 11:47

WM-19 1106070-04 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Dissolved Aluminum	ND	50.0	· ug/l	AUF0201	06/10/11	07/20/11	EPA 200.7	
Aluminum	ND	50.0		AUF0292	06/09/11	07/19/11	н .	
Dissolved Arsenic	· ND	10.0	M	AUF0201	06/10/11	07/20/11	н .	
Arsenic	ND	10.0	u	AUF0292	06/09/11	07/18/11	. н	
Dissolved Cadmium	ND	5.0	n	AUF0201	06/10/11	07/20/11	н	
Cadmium	ND	5.0	₩ ,	AUF0292	06/09/11	07/18/11	0	
Calcium	18700	100	H	19	II	0	μ.	
Dissolved Copper	3420	5.0		AUF0201	06/10/11	07/20/11	H	
Copper	3870	5.0	II	AUF0292	06/09/11	07/18/11	п	
Dissolved Iron	32.4	20.0	P	AUF0201	06/10/11	07/20/11	н	
Iron	70.4	20.0	0	AUF0292	06/09/11	07/19/11	n n	
Magnesium	3670	50.0	•	.0	п	07/18/11	0	
Potassium	1620	100	H	11	10	0	H	
Sodium	3020	200		Ħ	0	H	n	
Dissolved Zine	249	10.0	TI .	AUF0201	06/10/11	07/20/11	n	
Zinc	193	10.0	0	AUF0292	06/09/11	07/20/11	q	
Wet Chemistry		•				•		
Total Alkalinity	12.0	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
Bicarbonate Alkalinity	12.0	5.00		n n	11	н	п	
Carbonate Alkalinity	ND	5.00	W.	n		н	н	
Specific Conductance (EC)	162	5.00	uS/cm	AUF0090	06/06/11	06/06/11	EPA 120.1	
Hydroxide Alkalinity	ND	·5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
pH	5.89	0.100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H-B	Field
Total Dissolved Solids	133	15.0	mg/L	AUF0141	06/07/11	06/13/11	SM 2540C	
Total Hardness	182	5.00	1	AUF0192	06/13/11	06/13/11	SM2340B	•

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RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Jeff Huggins

Date Reported: 07/25/11 11:47

WM-19 1106070-04 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
								_
Ion Chromatography								
Chloride	0.5	0.5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	
Sulfate as SO4	56.3	0.5	n	U	н	IT .	н	

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RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:
Project Number:
Project Manager:

Walker Mine 10-026-150 Jeff Huggins

Date Reported: 07/25/11 11:47

WM-4 1106070-05 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Dissolved Aluminum	95.9	50.0	ug/l	AUF0201	06/10/11	07/20/11	EPA 200.7	
Aluminum	76.1	50.0	0	AUF0292	06/09/11	07/19/11	и	
Dissolved Arsenic	ND	10.0	fr.	AUF0201	06/10/11	07/20/11	н	
Arsenic	ND	10.0	. 0	AUF0292	06/09/11	07/18/11	п	
Dissolved Cadmium	ND	5.0	ft	AUF0201	06/10/11	07/20/11	н	
Cadmium	ND	5.0	t _t	AUF0292	06/09/11	07/18/11	. п	•
Calcium	9690	100	0 .	и ,	17	. "	п	
Dissolved Copper	97.7	5.0	0	AUF0201	06/10/11	07/20/11	h	
Copper	54.7	5.0	4	AUF0292	06/09/11	07/18/11	n	
Dissolved Iron	97.9	20.0	er	AUF0201	06/10/11	07/20/11	и	
ron	111	20.0	11	AUF0292	06/09/11	07/19/11	h	
Magnesium	4180	50.0	41	н	11	07/18/11	h	
Potassium	955	100	17	lij .	11	н.,	H	
Sodium	2630	200	U	. 11	D.	н	(I	
Dissolved Zinc	12.6	10.0	0	AUF0201	06/10/11	07/20/11	It	
Zine	ND	10.0	. н	AUF0292	06/09/11	07/20/11	11	
Wet Chemistry								
Fotal Alkalinity	44.0	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
Bicarbonate Alkalinity	44.0	5.00	н .	11	н	11	11	
Carbonate Alkalinity	ND ·	5.00	н	11	н	"	11	
Specific Conductance (EC)	85.2	5.00	uS/cm	AUF0090	06/06/11	06/06/11	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
ρΗ	7.18	0.100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H+ B	Field
Fotal Dissolved Solids	75.0	15.0	mg/L	AUF0141	06/07/11	06/13/11	SM 2540C	
Total Hardness	40.0	5.00	K	AUF0192	06/13/11	06/13/11	SM2340B	

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RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number:

10-026-150

Project Manager: Jeff Huggins

Date Reported: 07/25/11 11:47

WM-4 1106070-05 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ion Chromatography								
Chloride	3.2	0.5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	
Sulfate as SO4	2.4	0.5	Ð	n .	11*	11	11	

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RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number: Project Manager: 10-026-150 Jeff Huggins

Date Reported: 07/25/11 11:47

WM-9 1106070-06 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series	-						•	
Dissolved Aluminum	81.2	50,0	ug/l	AUF0201	06/10/11	07/20/11	EPA 200.7	
Aluminum	95.8	50.0	ħ	AUF0292	06/09/11	07/20/11	n	
Dissolved Arsenic	ND	10.0	п	AUF0201	06/10/11	07/20/11	n :	
Arsenic	ND	10.0	n	AUF0292	06/09/11	07/18/11	н	
Dissolved Cadmium	ND	5.0	n	AUF0201	06/10/11	07/20/11	, n	
Cadmium	ND	5.0	Ŋ	AUF0292	06/09/11	07/18/11	п	
Calcium	6670	100	п	u	11		ı	
Dissolved Copper	33.9	5.0	п	AUF0201	06/10/11	07/20/11	a ·	
Copper	11.4	5.0	n '	AUF0292	06/09/11	07/18/11	u	
Dissolved Iron	9 2. 7	20.0	. "	AUF0201	06/10/11	07/20/11	u	
fron	144	20.0	и.,	AUF0292	06/09/11	07/20/11	u	
Magnesium	2100	50.0	н	tt	11	07/18/11	. п	
Potassium	722	100	н	ti.	tį.	н	ti	
Sodium	2690	200	и	11	11	n	ti	
Dissolved Zinc	ND	10.0	u	AUF0201	06/10/11	07/20/11	tt	
Zine	ND	10.0	u	AUF0292	06/09/11	07/20/11	11	
Wet Chemistry								
Fotal Alkalinity	30.0	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
Bicarbonate Alkalinity	30.0	5.00	н	tr	п	· n	ir	
Carbonate Alkalinity	ND	5.00	н	11	и		ir	
Specific Conductance (EC)	56.7	5.00	uS/cm	AUF0090	06/06/11	06/06/11	EPA 120.1	
Hydroxide Alkalinity	ND	5,00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
p H	7.59	0.100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H+B	Field
Total Dissolved Solids	62.0	15.0	mg/L	AUF0141	06/07/11	06/13/11	SM 2540C	
Total Hardness	22.0	5.00	11	AUF0192	06/13/11	06/13/11	SM2340B	

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RWQC Central Valley

Project:

Walker Mine

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project Number:

10-026-150

Project Manager:

Jeff Huggins

Date Reported: 07/25/11 11:47

WM-9

1106070-06 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
						-		
Ion Chromatography								
Chloride	0.5	0.5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	
Sulfate as SO4	1.2	0.5	fl fl	и	и	0	n ·	

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RWQC Central Valley

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Project Number:

Walker Mine 10-026-150

Project Manager:

10-026-150 Jeff Huggins Date Reported: 07/25/11 11:47

WM-5

1106070-07 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series							v	
Dissolved Aluminum	65.8	50.0	ug/l	AUF0201	06/10/11	07/20/11	EPA 200,7	
Aluminum	88.5	50.0	· "	AUF0292	06/09/11	07/20/11	11	
Dissolved Arsenic	ND	10.0	11	AUF0201	06/10/11	07/20/11	11	
Arsenic	ND	10.0		AUF0292	06/09/11	07/18/11	ņ	
Dissolved Cadmium	ND	5.0	U	AUF0201	06/10/11	07/20/11	p .	
Cadmium	ND	5.0	"	AUF0292	06/09/11	07/18/11	h	
Calcium	6130	100	н	И	11	d	н	
Dissolved Copper	13.7	5.0	il	AUF0201	06/10/11	07/20/11	rf	
Соррег	ND	5.0	O O	AUF0292	06/09/11	07/18/11	11	
Dissolved Iron	69.8	20.0	11	AUF0201	06/10/11	07/20/11	lt.	
lron (107	20.0	· e	AUF0292	06/09/11	07/20/11	н	•
Magnesium	2010	50.0	0	ļi	- н	07/18/11	is .	
Potassium	587	100	н	Д	u	17	и	
Sodium	2770	200	н	н	11	н		
Dissolved Zinc	ND	10.0	и	AUF0201	06/10/11	07/20/11	ч	
Zine	ND	10.0	fl .	AUF0292	06/09/11	07/20/11	17	
Wet Chemistry								
Fotal Alkalinity	28.0	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
Bicarbonate Alkalinity	28.0	5.00	n	н	17	11	н	
Carbonate Alkalinity	ND	5.00	н		17	н	н .	
Specific Conductance (EC)	54.2	5.00	uS/cm	AUF0090	06/06/11 -	06/06/11	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
pH	7.28	0.100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H+B	Field
Total Dissolved Solids	56.0	15.0	mg/L	AUF0141	06/07/11	06/13/11	SM 2540C	
Total Hardness	22.0	5.00	"	AUF0192	06/13/11	06/13/11	SM2340B	

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RWQC Central Valley

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Jeff Huggins

Date Reported: 07/25/11 11:47

WM-5

1106070-07 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ion Chromatography								
Chloride	0.7	0.5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	
Sulfate as SO4	0.9	0.5	ji	н	и .	ft.	n n	

Excelchem Environmental Lab.

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Date Reported: 07/25/11 11:47 Jeff Huggins

WM-1 1106070-08 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 scries								
Dissolved Aluminum	78.8	50.0	ug/l	AUF0201	06/10/11	07/20/11	EPA 200.7	
Aluminum	ND	50.0	n	AUF0292	06/09/11	07/20/11	H	
Dissolved Arsenic	ND	10.0	н	AUF0201	06/10/11	07/20/11	n	
Arsenic	ND	10.0	ij	AUF0292	06/09/11	07/18/11	И	
Dissolved Cadmium	ND	5.0	. И	AUF0201	06/10/11	07/20/11	н	
Cadmium	ND	5.0	н	AUF0292	06/09/11	07/18/11	н	
Calcium	13500	100	11	11	u	n	11	
Dissolved Copper	102	5.0	II	AUF0201	06/10/11	07/20/11	ff	
Copper	99.6	5,0	11	AUF0292	06/09/11	07/18/11	11	
Dissolved Iron	46.1	20.0	11	AUF0201	06/10/11	07/20/11	Ħ	
Iron	49.2	20.0	31	AUF0292	06/09/11	07/20/11	н	
Magnesium	5030	50.0	Ħ	И	н	07/18/11	и	
Potassium	883	100	H	11	н	11	II	
Sodium	4710	200	H	11	11	11	н	
Dissolved Zine	78.9	10.0	н	AUF0201	06/10/11	07/20/11	11	
Zinc	62.7	10.0	И	AUF0292	06/09/11	07/20/11	ft .	
Wet Chemistry						•		
Total Alkalinity	60.0	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
Bicarbonate Alkalinity	60.0	5.00	44	H	н	11	11	
Carbonate Alkalinity	ND	5.00	Ð	н	H	- 11	п	
Specific Conductance (EC)	116	5.00	uS/cm	AUF0090	06/06/11	06/06/11	EPA 120.1	
Hydroxide Alkalinity	ND	5,00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
pН	6.87	0.100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H+B	Field
Total Dissolved Solids	96.0	15.0	mg/L	AUF0141	06/07/11	06/13/11	SM 2540C	
Total Hardness	50.0	5.00	H	AUF0192	06/13/11	06/13/11	SM2340B	

Excelchem Environmental Lab.

RWQC Central Valley

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager;

Jeff Huggins

Date Reported: 07/25/11 11:47

WM-1

1106070-08 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ion Chromatography								
Chloride	0.7	0.5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	
Sulfate as SO4	1.6	0.5	н	н	n	4	"	

Excelchem Environmental Lab.

RWQC Central Valley

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Jeff Huggins

Date Reported: 07/25/11 11:47

WM-2 1106070-09 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Dissolved Aluminum	ND	50.0	ug/l	AUF0201	06/10/11	07/20/11	EPA 200.7	
Aluminum	ND	50.0	. "	AUF0292	06/09/11	07/20/11	If .	
Dissolved Arsenic	ND	10.0	u.	AUF0201	06/10/11	07/20/11	If .	
Arsenic	ND	10.0	ii .	AUF0292	06/09/11	07/18/11	If .	
Dissolved Cadmium	ND	5.0	er e	AUF0201	06/10/11	07/20/11	lr.	
Cadmium	ND	5.0	4	AUF0292	06/09/11	07/18/11	rr .	
Calcium	14900	100	tr.	e	u	11	н	
Dissolved Copper	14.0	5.0	11	AUF0201	06/10/11	07/20/11	ņ	
Copper	ND	5.0	er er	AUF0292	06/09/11	07/18/11	ħ	
Dissolved Iron	35.5	20.0	. 0	AUF0201	06/10/11	07/20/11	"	
Iron	63.0	20.0	11	AUF0292	06/09/11	07/20/11	. "	
Magnesium	7100	50.0	tr	11	w	07/18/11		
Potassium	912	100	tr.	11	w	11	n .	
Sodium	2920	200	W	Į i	tr.	н	n .	
Dissolved Zinc	ND	10.0	0	AUF0201	06/10/11	07/20/11	и	
Zinc	ND .	10.0	0	AUF0292	06/09/11	07/20/11	н .	
Wet Chemistry								
Total Alkalinity	70.0	- 5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
Bicarbonate Alkalinity	70.0	5.00	"	ņ	и .	п	H	
Carbonate Alkalinity	ND -	5.00	. "	N	"	н	. 11	
Specific Conductance (EC)	129	5.00	uS/cm	AUF0090	06/06/11	06/06/11	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
pН	7.47	0.100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H+B	Field
Total Dissolved Solids	83.0	15.0	mg/L	AUF0141	06/07/11	06/13/11	SM 2540C	
Total Hardness	60.0	5.00	ji	AUF0192	06/13/11	06/13/11	SM2340B	

Excelchem Environmental Lab.

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Jeff Huggins

Date Reported: 07/25/11 11:47

WM-2 1106070-09 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ion Chromatography					-			
Chloride	0.6	0.5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	
Sulfate as SO4	0.9	0.5	11	b.	n	Pt·	"	

Excelchem Environmental Lab.

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number: Project Manager: 10-026-150 Jeff Huggins Date Reported: 07/25/11 11:47

WM-7A 1106070-10 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series								
Dissolved Aluminum	110	50.0	110/1	AUF0201	06/10/11	07/20/11	EPA 200,7	
Aluminum	107	50.0	ug/l	AUF0201 AUF0292	06/10/11		EPA 200.7	
Dissolved Arsenic	ND ·	10.0	11	AUF0292 AUF0201	06/09/11	07/20/11 07/20/11	И	
Arsenic	ND	10.0	11	AUF0201 AUF0292	06/09/11		и	
Arsenic Dissolved Cadmium	ND ND		h			07/18/11	н	
		5.0	H	AUF0201	06/10/11	07/20/11	н	
Cadmium	ND	5.0	;; H	AUF0292	06/09/11	07/18/11	11	
Calcium	9730	100	,, H					
Dissolved Copper	47.9	5.0	, " , H	AUF0201	06/10/11	07/20/11	ti .	
Copper	49.9	5.0		AUF0292	06/09/11	07/18/11	17	
Dissolved Iron	108	20.0	h	AUF0201	06/10/11	07/20/11	11	
Iron	157	20.0	ji	AUF0292	06/09/11	07/20/11	- 11	
Magnesium	4120	50.0	n	н	"	07/18/11	tt '	
Potassium	936	100	h .	h	ij .	Ц	11	
Sodium	2750	200	и	н	H	и .	lr .	•
Dissolved Zinc	12.3	10.0	н	AUF0201	06/10/11	07/20/11	"	
Zine	ND	10.0	и	AUF0292	06/09/11	07/20/11	H	
Wet Chemistry								
Total Alkalinity	46.0	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
Bicarbonate Alkalinity	46.0	5.00	ц	н	И	11	n	
Carbonate Alkalinity	ND	5.00	n	н	И	11	n	
Specific Conductance (EC)	86.5	5.00	uS/cm	AUF0090	06/06/11	06/06/11	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
рН	7.72	0.100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H+ B	Field
Total Dissolved Solids	66.0	15.0	mg/L	AUF0141	06/07/11	06/13/11	SM 2540C	1 1414
Total Hardness	36.0	5.00		AUF0192	06/13/11	06/13/11	SM2340B	

Excelchem Environmental Lab.

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RWQC Central Valley

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Jeff Huggins

Date Reported:

07/25/11 11:47

WM-7A 1106070-10 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ion Chromatography								
Chloride	0.5	0,5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	
Sulfate as SO4	2.2	0.5	U	It	11	lr.	н	

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RWQC Central Valley

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

Project Number:

10-026-150

Project Manager:

Jeff Huggins

Date Reported: 07/25/11 11:47

WM-7B 1106070-11 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
35431 -00							-	
Metals by 200 series	<u> </u>						<u> </u>	,
Dissolved Aluminum	96.9	50.0	ug/1	AUF0201	06/10/11	07/20/11	EPA 200.7	
Aluminum	ND	50.0	IJ	AUF0291	06/09/11	07/18/11	u .	
Dissolved Arsenic	ND .	10.0	"	AUF0201	06/10/11	07/20/11	11	
Arsenic	ND	10.0	н	AUF0291	06/09/11	07/18/11	11	
Dissolved Cadmium	ND	5.0	11	AUF0201	06/10/11	07/20/11	IJ	
Cadmium	ND	25.0	н	AUF0291	06/09/11	07/14/11	11	R-07
Calcium	8480	100	и	H	11	07/15/11	17	
Dissolved Copper	51.8	5.0	11	AUF0201	06/10/11	07/20/11	11	
Copper	44.9	5.0	ш	AUF0291	06/09/11	07/07/11	. 11	
Dissolved Iron	121	20.0	н	AUF0201	06/10/11	07/20/11	· "	
Iron	145	20.0	н	AUF0291	06/09/11	07/07/11	н	
Magnesium	3560	50.0	н	n	11	07/15/11	h	
Potassium	1080	100	И	ŧŧ	11	07/18/11	и	
Sodium	2470	200	H	er er	11	07/15/11	. н	
Dissolved Zinc	12.8	10.0	11	AUF0201	06/10/11	07/20/11	н	
Zine	ND	50.0	II.	AUF0291	06/09/11	07/14/11	n	R-07
Wet Chemistry								•
Total Alkalinity	42.0	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
Bicarbonate Alkalinity	42.0	5.00	e ²	11	n	н	It	
Carbonate Alkalinity	ND	5.00	tr.	n	"	f n	ŧŧ	
Specific Conductance (EC)	85.2	5.00	uS/cm	AUF0090	06/06/11	06/06/11	EPA 120.1	
Hydroxide Alkalinity	ND ·	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
pH	7.75	0.100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H+B	Field
Total Dissolved Solids	68.0	15.0	mg/L	AUF0141	06/07/11	06/13/11	SM 2540C	
Total Hardness	38.0	5.00	n	AUF0192	06/13/11	06/13/11	SM2340B	
	•							

Excelchem Environmental Lab.

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number:

10-026-150 Jeff Huggins Project Manager:

Date Reported: 07/25/11 11:47

WM-7B 1106070-11 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ion Chromatography								
Chloride	1.6	0.5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	
Sulfate as SO4	2.5	0.5	II.	'n	ní	, 11	н	

Excelchem Environmental Lab.

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number:

10-026-150

Project Manager: Jeff Huggins

Date Reported: 07/25/11 11:47

WM-7C 1106070-12 (Water)

Authors Author	Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Illuminum	Ietals by 200 series				£				
Sesolved Arsenic ND 10.0	Dissolved Aluminum	ND	50.0	ug/l	AUF0201	06/10/11	07/20/11	EPA 200.7	
ND 10.0	Aluminum	148	50.0	n	AUF0291	06/09/11	07/18/11	u	
ND 10.0 AUF0291 06/09/11 07/18/11 10/18/11	Dissolved Arsenic	ND	10.0	H	AUF0201	06/10/11	07/20/11	11	
Academium ND 25.0 " AUF0201 66/10/11 07/20/11 " Recalcium 6320 100 " " " " " 07/15/11 " ND 25.0 " AUF0201 06/10/11 07/15/11 " ND 25.0 " AUF0201 06/10/11 07/20/11 " ND 25.0 " AUF0201 06/10/11 07/20/11 " ND 25.0 " AUF0201 06/10/11 07/20/11 " ND 25.0 " AUF0201 06/10/11 07/20/11 " ND 25.0 " AUF0201 06/10/11 07/20/11 " ND 25.0 " AUF0201 06/10/11 07/20/11 " ND 25.0 " AUF0201 06/10/11 07/20/11 " ND 25.0 " AUF0201 06/10/11 07/20/11 " ND 25.0 " AUF0201 06/09/11 07/20/11 " ND 25.0 " " " " 07/15/11 " ND 25.0 " " " " 07/15/11 " ND 25.0 " " " " 07/15/11 " ND 25.0 " " " 07/15/11 " ND 25.0 " AUF0201 06/10/11 07/20/11 " ND 25.0 " AUF0201 06/10/11 07/20/11 " ND 25.0 " AUF0201 06/10/11 07/20/11 " ND 25.0 " AUF0201 06/10/11 07/20/11 " ND 25.0 " AUF0201 06/10/11 07/20/11 " ND 25.0 " " " " " " " " " " " " " " " " " " "	Arsenic	ND	10.0	H	AUF0291	06/09/11	07/18/11	tr.	
Authors Auth	Dissolved Cadmium	ND	5.0	H	AUF0201	06/10/11	07/20/11	11	
12.3 5.0 AUF0201 06/10/11 07/20/11	Cadmium	ND	25.0	n	AUF0291	06/09/11	07/14/11	11	R-07
Solution S.8 S.0 " AUF0291 06/09/11 07/07/11 " Obsolved Iron 77.4 20.0 " AUF0291 06/09/11 07/07/11 " Obsolved Iron 156 20.0 " AUF0291 06/09/11 07/07/11 " Obsolved Iron 156 20.0 " AUF0291 06/09/11 07/07/11 " Obsolved Iron 156 20.0 " " " 07/15/11 " Obsolved Iron 100 " " " 07/15/11 " Obsolved Iron 100 " " " 07/15/11 " Obsolved Iron 100 " " " 07/15/11 " Obsolved Iron 100 " " " Obsolved Iron 100 " Obsolved Iron 100 " Obsolved Iron 100 " Obsolved Iron 100 " Obsolved Iron 100 " Obsolved Iron 100 Obsolved Iron 100 " Obsolved Iron 100 Obsolved Iron	Calcium	6320	100	H	"	· u	07/15/11	tr	
156 20.0	Dissolved Copper	12.3	5.0	н	AUF0201	06/10/11	07/20/11	v	
Total Alkalinity Section Secti	Copper	5.8	5.0	þ	AUF0291	06/09/11	07/07/11	. 11	
Alagnesium 2050 50.0 " " " 07/15/11 " 1 1 1 1 1 1 1 1	Dissolved Iron	77.4	20.0	H	AUF0201	06/10/11	07/20/11	11	
Total Alkalinity Total Alkal	ron	156	20.0	H	. AUF0291	06/09/11	07/07/11	17	
2600 200 "	/Ingnesium	2050	50.0	H	11	0	07/15/11	ii .	
Dissolved Zinc ND 10.0 " AUF0201 06/10/11 07/20/11 " ND 50.0 " AUF0291 06/09/11 07/14/11 " R ND Sicarbonate Alkalinity 32.0 5.00 mg/L AUF0193 06/15/11 06/15/11 SM2320B Sicarbonate Alkalinity ND 5.00 " " " " " " " " "	Potassium	710	100	II	11	1.1.0	07/18/11	11	
ND 10.0	Sodium	2600	200	II	17	u :	07/15/11	U	
Vet Chemistry 32.0 5.00 mg/L AUF0193 06/15/11 06/15/11 SM2320B Sicarbonate Alkalinity 32.0 5.00 " " " " " " " " " " " " " " " " "	Dissolved Zinc	ND	10.0	N	AUF0201	06/10/11	07/20/11	n	
Starbonate Alkalinity 32.0 5.00 mg/L AUF0193 06/15/11 06/15/11 SM2320B	Zinc	ND	50.0	н	AUF0291	06/09/11	07/14/11	n	R-07
Sicarbonate Alkalinity 32.0 5.00 " " " " " " " " " " " " " " " " " " "	Wet Chemistry					•			
Sicarbonate Alkalinity 32.0 5.00 " " " " " " " " " " " " " " " " " " "	l'otal Alkalinity	32.0	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
Actionate Alkalinity ND 5.00 uS/cm AUF0090 06/06/11 06/06/11 EPA 120.1 Iydroxide Alkalinity ND 5.00 mg/L AUF0193 06/15/11 06/15/11 SM2320B IH 7.49 0.100 pH Units AUF0088 06/03/11 06/03/11 SM 4500-H+B F Cotal Dissolved Solids 52.0 15.0 mg/L AUF0141 06/07/11 06/13/11 SM 2540C	Bicarbonate Alkalinity	32.0	5,00		н	н	и	н .	
Iydroxide Alkalinity ND 5,00 mg/L AUF0193 06/15/11 06/15/11 SM2320B OH 7.49 0.100 pH Units AUF0088 06/03/11 06/03/11 SM 4500-H+B F Cotal Dissolved Solids 52.0 15.0 mg/L AUF0141 06/07/11 06/13/11 SM 2540C	Carbonate Alkalinity	ND	5.00	ji .	н	н	n	n	
Total Dissolved Solids 7.49 0.100 pH Units AUF0088 06/03/11 06/03/11 SM 4500-H+B FOTAL Dissolved Solids 52.0 15.0 mg/L AUF0141 06/07/11 06/13/11 SM 2540C	Specific Conductance (EC)	59.1	5.00	uS/cm	AUF0090	06/06/11	06/06/11	EPA 120.1	
Cotal Dissolved Solids 52.0 15.0 mg/L AUF0141 06/07/11 06/13/11 SM 2540C	Iydroxide Alkalinity	ND	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
	оH	7.49	0.100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H+ B	Field
	otal Dissolved Solids	52.0	15.0	mg/L	AUF0141	06/07/11	. 06/13/11	SM 2540C	
	Total Hardness	24.0	5.00		AUF0192	06/13/11	06/13/11	SM2340B	

Excelchem Environmental Lab.

RWQC Central Valley

Project:

Walker Mine

11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project Number:

10-026-150

Project Manager: Jeff Huggins

Date Reported: 07/25/11 11:47

WM-7C 1106070-12 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ion Chromatography								
Chloride	0.5	0.5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	
Sulfate as SO4	1.4	0.5	н	n	fi fi	11	11	

Excelchem Environmental Lab.

Dr don

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:
Project Number:
Project Manager:

Walker Mine 10-026-150

10-026-150 Jeff Huggins Date Reported: 07/25/11 11:47

WM-6 1106070-13 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Aetals by 200 series								
Dissolved Aluminum	ND	50,0	ug/l	AUF0201	06/10/11	07/20/11	EPA 200.7	,
Aluminum	ND	50.0	"	AUF0291	06/09/11	07/18/11	6	
Dissolved Arsenic	ND	10.0	и	AUF0201	06/10/11	07/20/11	4	
Arsenic	ND	10.0	И	AUF0291	06/09/11	07/18/11	n	
Dissolved Cadmium	ND	5.0	П	AUF0201	06/10/11	07/20/11	n	
Cadmium	ND	25.0	11	AUF0291	06/09/11	07/14/11	ч ,	R-07
Calcium	15900	100	1 1	11	"	07/15/11	11	2.37
Dissolved Copper	497	5.0	fl.	AUF0201	06/10/11	07/20/11	11	
Соррег	876	5.0	tt	AUF0291	06/09/11	07/07/11	11	
Dissolved Iron	59. 7	20.0	ų.	AUF0201	06/10/11	07/20/11	w	
Iron	395	20.0	er	AUF0291	06/09/11	07/07/11	. "	
Magnesium	2440	50.0	W .	17	и	07/15/11	11	
Potassium	1890	100	tr.	11	Й	07/18/11		
Sodium	3960	200	17	11	n	07/15/11	n	
Dissolved Zinc	144	10.0	11	AUF0201	06/10/11	07/20/11	,,	
Zine	196	50.0	11	AUF0291	06/09/11	07/14/11	н	R-07
Wet Chemistry								
Total Alkalinity	30.0	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
Bicarbonate Alkalinity	30.0	5.00	N	н	11	11	II	
Carbonate Alkalinity	ND	5.00	n	И	w .	"	и	
Specific Conductance (EC)	134	5.00	uS/cm	AUF0090	06/06/11	06/06/11	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
pН	7.14	0.100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H+B	Field
Total Dissolved Solids	104	15.0	mg/L	AUF0141	06/07/11	06/13/11	SM 2540C	
Total Hardness	114	5.00	и	AUF0192	06/13/11	06/13/11	SM2340B	

Excelchem Environmental Lab.

Dr 2-

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number:

10-026-150 Jeff Huggins

Project Manager:

Date Reported: 07/25/11 11:47

WM-6 1106070-13 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
		•	÷					
Ion Chromatography								•
Chloride	0.9	0.5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	
Sulfate as SO4	30.5	0.5	Ø	11	n	n	17	

Excelchem Environmental Lab.

D- -

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number: Project Manager: 10-026-150 Jeff Huggins

Date Reported: 07/25/11 11:47

WM-20 1106070-14 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Actals by 200 series								
Dissolved Aluminum	ND	50.0	ug/l	AUF0201	06/10/11	07/20/11	EPA 200.7	
Aluminum	120	50.0	0	AUF0291	06/09/11	07/18/11	11	
Dissolved Arsenic	ND	10,0	tr.	AUF0201	06/10/11	07/20/11	11	
Arsenic	ND	10.0	11	AUF0291	06/09/11	07/18/11	17	
Dissolved Cadmium.	ND	5.0	e e	AUF0201	06/10/11	07/20/11	17	
Cadmium	ND	25.0	e	AUF0291	06/09/11	07/14/11	ti .	R-07
Calcium	6690	100	0	М	II .	07/15/11	h	
Dissolved Copper	16.6	5.0	0	AUF0201	06/10/11	07/20/11	n	
Copper .	10.8	5.0	er er	AUF0291	06/09/11	07/07/11	н	
Dissolved Iron	50.5	20.0	tt.	AUF0201	06/10/11	07/20/11	н	
ron	103	20.0	1)	AUF0291	06/09/11	07/07/11	и	
Magnesium	2010	50.0	ff .	н	11	07/15/11	ıl	
Potassium	815	100	. 10	и	n	07/18/11	н	
Sodium	2830	200	Ħ	н	11	07/15/11	. н	
Dissolved Zinc	ND	10.0	n	AUF0201	06/10/11	07/20/11	И	
Zine	ND	50.0	н	AUF0291	06/09/11	07/14/11	н	R-07
Wet Chemistry								
Fotal Alkalinity	32.0	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
Bicarbonate Alkalinity	32.0	5.00	Ħ	(I	. 0	e	ft	
Carbonate Alkalinity	ND	5.00	н	11	u ·	11	n n	
Specific Conductance (EC)	58.4	5.00	uS/cm	AUF0090	06/06/11	06/06/11	EPA 120.1	
Hydroxide Alkalinity	ND	5.00	mg/L	AUF0193	06/15/11	06/15/11	SM2320B	
н	7.63	0,100	pH Units	AUF0088	06/03/11	06/03/11	SM 4500-H+B	Field
Total Dissolved Solids	56.0	15.0	mg/L	AUF0141	06/07/11	06/13/11	SM 2540C	
Total Hardness	26.0	5.00	n n	AUF0192	06/13/11	06/13/11	SM2340B	

Excelchem Environmental Lab.

Dr 2-

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number: Project Manager: 10-026-150 Jeff Huggins

Date Reported: 07/25/11 11:47

WM-20 1106070-14 (Water)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Ion Chromatography								
Chloride	1.2	0.5	mg/L	AUF0117	06/07/11	06/07/11	EPA 300.0	
Sulfate as SO4	1.4	0.5	n ·	н	11	11	11	

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3- de-

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number:

10-026-150

Date Reported: 07/25/11 11:47

va, CA 95670 Project Manager:

Jeff Huggins

Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AUF0201 - EPA 200.7								·		
Blauk (AUF0201-BLK1)				Prepared: (06/10/11 A	nalyzed: 07	/20/11			
Dissolved Aluminum	ND	50.0	ug/l							
Dissolved Arsenic	ND	10.0	11							
Dissolved Cadınium	ND	5.0	IJ							
Dissolved Copper	ND	5.0	11							
Dissolved Iron	ND	20.0	U							
Dissolved Zinc	ND	10.0	H							
Blank (AUF0201-BLK2)				Prepared: (06/10/11 A	nalvzed: 07	/20/11			
Dissolved Aluminum	ND	50.0	ug/i			,		_		
Dissolved Arsenic	ND	10.0	11							
pissolved Cadmium	ND	5.0	H							
issolved Copper	ND	5.0	н							
issolved Iron	ND	20.0	н							
issolved Zinc	ND	10.0	H							
CS (AUF0201-BS1)	4			Prepared: (06/10/11 A:	nalyzed: 07	/20/11			
Dissolved Aluminum	1040	50.0	ug/l	1000		104	85-115			
Dissolved Arsenic	981	10.0	и	1000		98.1	85-115			
rissolved Cadmium	1060	5.0	и .	1000		106	85-115	•		
Dissolved Copper	1040	5.0	u	1000		104	85-115			
Dissolved Iron	1100	20.0	fr ·	1000		110	85-115			
Dissolved Zinc	1020	10.0	ft	1000		102 .	85-115	•		
CS (AUF0201-BS2)				Prepared: (06/10/11 A	nalyzed: 07	/20/11			
Dissolved Aluminum	987	50.0	ug/l	1000		98.7	85-115			
Dissolved Arsenic	930	10.0	1)	1000		93.0	85-115			
Dissolved Cadınium	942	5.0	11	1000		94.2	85-115			
Dissolved Copper	920	5.0	11	1000		92.0	85-115			
Dissolved Iron	1000	20.0	n	1000		100	85-115			
Dissolved Zinc	913	10.0	н	1000		91.3	85-115			

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J - -

RWQC Central Valley	Project:	Walker Mine	
11020 Sun Center Dr. #200	Project Number:	10-026-150	Date Reported:
Rancho Cordova, CA 95670	Project Manager:	Jeff Huggins	07/25/11 11:47

Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AUF0201 - EPA 200.7	_									•
LCS Dup (AUF0201-BSD1)				Prepared: (06/10/11 A	nalyzed: 07	//20/11			
Dissolved Aluminum	1000	50.0	ug/l	1000		100	85-115	3.05	20	
Dissolved Arsenic	1040	10.0	n	1000		104	85-115	6.16	20	
Dissolved Cadınium	. 1030	5.0	"	1000		103	85-115	2.34	20	
Dissolved Copper	1050	5.0		1000		105	85-115	1.24	20	•
Dissolved Iron	1100	20.0		1000		110	85-115	0.825	20	
issolved Zinc	1020	10.0	n	1000		102	85-115	0.505	20	
CS Dup (AUF0201-BSD2)	•			Prepared: (6/10/11 A	nalyzed: 07	//20/11			
Dissolved Aluminum	1030	50.0	u g /1	1000		103	85-115	3.87	20	
Dissolved Arsenic	985	10.0	M	1000		98.5	85-115	5.73	20	
issolved Cadmium	1010	5.0	н	1000		101	85-115	6.96	20	
Dissolved Copper	1050	5.0	н	. 1000		105	85-115	13.0	20	
Dissolved Iron	. 1080	20.0	н	1000		108	85-115	7.26	20	
Dissolved Zinc	1010	10.0	н	1000		101	85-115	10.5	20 .	
Matrix Spike (AUF0201-MS1)	,	Source: 1106070)6/10/11 A	nalyzed: 07	7/20/11					
Dissolved Aluminum	1210	50.0	ug/l	1000	48.0	116	75-125			
Dissolved Arsenic	1100	10.0	lt .	1000	ND	110	75-125			
Dissolved Cadmium	1030	5.0	u	1000	ND	103	75-125			
Dissolved Copper	1100	5.0	u	1000	26.8	107	75-125			
Dissolved Iron	1210	20.0	u	1000	106	110	75-125			
Dissolved Zinc	1020	10.0	u	1000	8.62	101	75-125			
Matrix Spike (AUF0201-MS2)		Source: 1106070)-09	Prepared: ()6/10/11 A	nalyzed: 07	7/20/11			
Dissolved Aluminum	1160	50.0	ug/l	1000	ND	116	75-125	_		
Dissolved Arsenic	1090	10.0	Ð	1000	ND	109	75-125			
Dissolved Cadmium	1030	5.0	μ .	1000	ND	103	75-125			
Dissolved Copper	1090	5.0	μ	1000	14.0	107	75-125			
Dissolved Iron	1170	20.0	h	1000	35.5	113	75-125			
Dissolved Zinc	1010	10.0	n	1000	5.08	101	75-125		•	

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Dr 2-

Rancho Cordova, CA 95670 Project Manager: Jeff Huggins 07/25/11 11:4	RWQC Central Valley Project: Walker Mine 11020 Sun Center Dr. #200 Project Number: 10-026-150 Date Report Number: Rancho Cordova, CA 95670 Project Manager: Jeff Huggins 07/25/11	
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Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AUF0201 - EPA 200.7	·									
Matrix Spike Dup (AUF0201-MSD1)		Source: 1106070	0-03	Prepared: 0	06/10/11 Aı	nalyzed: 07	//20/11			
Dissolved Aluminum	1060	50.0	ug/l	1000	48.0	101	75-125	13.3	25	
Dissolved Arsenic	983	10.0	"	1000	ND	98.3	75-125	11.1	25	
Dissolved Cadınium	957	5.0	"	1000	ND	95.7	75-125	7.76	25	
Dissolved Copper	1020	5.0	"	1000	26.8	99.8	75-125	6.97	25	
Dissolved Iron	1110	20.0	и	1000	106	101	75-125	8.37	25	
Dissolved Zinc	920	10.0	н	1000	8.62	91.2	75-125	10.6	25	
Matrix Spike Dup (AUF0201-MSD2)		Source: 1106070)-09	Prepared: 0	06/10/11 Aı	nalyzed: 07	//20/11			
Dissolved Aluminum	1160	50.0	ug/1	1000	ND	116	75-125	0.653	25	
Dissolved Arsenic	1090	10.0	и	1000	ND	109	75-125	0.303	25	
Dissolved Cadmium	1040	5.0	и	1000	ND	104	75-125	1.05	25	
Dissolved Copper	1070	5.0	н	1000	14.0	105	75-125	1.92	25	
Dissolved Iron	1130	20.0	ч	1000	35.5	110	75-125	3.24	25	
Dissolved Zinc	1060	10.0		1000	5.08	105	75-125	4.70	25	
Batch AUF0291 - EPA 200.7										
Blank (AUF0291-BLK1)				Prepared: (06/09/11 A	nalyzed: 07	7/18/11		•	
Aluminum	ND	50.0	ug/l							
Arsenic	ND	10.0	11							
Cadmium	ND	5.0	11							
Calcium	ND	100	u'							
Copper	ND	5.0	II.							
fron	ND	20.0	н							
Magnesium	ND	50.0	н							
Potassium	ND	100	н							
Sodium	ND	200	,,,							
Zinc	ND	10.0	11							

Excelchem Environmental Lab.

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RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number: Project Manager: 10-026-150 Jeff Huggins Date Reported:

07/25/11 11:47

Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AUF0291 - EPA 200.7				-	-					
LCS (AUF0291-BS1)				Prepared: 0	16/09/11 Aı	nalyzed: 07	/18/11			
Aluminum	872	50.0	ug/l	1000		87.2	85-115			
Arsenic	1090	10,0	17 .	1000		109	85-115			
Cadmium	969	5.0	11	1000		96.9	85-115			
Calciun	867	100	11	1000		86.7	85-115			
Copper	1110	5.0	ti .	1000		111	85-115			
ron	1030	20.0	11	1000		103	85-115			
Magnesium	1040	50.0	11	1000		104	85-115			
Potassium	10800	100	μ	10000		108	85-115			
Sodium	961	200	p	1000		96.1	85-115			
Zine	1090	10.0	н	1000		109	85-115			
LCS Dup (AUF0291-BSD1)				Prepared: 0	06/09/11 Aı	nalyzed: 07	//18/11			
Aluminum	911	50.0	ug/l	1000		91.1	85-115	4.34	20	
Arsenic	1090	10.0	"	1000		109	85-115	0.104	20	
Cadınium ,	1110	5.0	N	1000		111	85-115	13.5	20	
Calcium	888	100	" .	1000		88,8	85-115	2,35	20	
Copper	1120	5.0	М .	1000		112	85-115	1.55	20	
Iron	1030	20.0	и	1000		103	85-115	0.600	20	
Magnesium	1050	50.0	M	1000		105	85-115	0.181	20	
Potassium	10900	100	М	10000		109	85-115	0.884	. 20	
Sodium	978	200	, #	1000		97.8	85-115	1.70	20	
Zinc	1020	10.0	н	1000		102	85-115	6.07	20	
Matrix Spike (AUF0291-MS1)	•	Source: 1106070	6-02	Prepared: 0	06/09/11 Ai	nalyzed: 07	7/18/11			
Arsenic	1110	10.0	ug/l	1000	ND	111	75-125			
Cadmium	1220	5.0	· u	1000	7.30	122	75-125			
Calcium	546000	100	U.	1000	584000	NR	75-125			QL-0
Copper	1050	5.0	U.	1000	2.06	104	75-125			
Iron	7970	20.0	11	1000	7090	87.7	75-125			
Magnesium	107000	50.0	17	1000	95600	NR	75-125	•		QL-0
Potassium	192000	100	17	10000	172000	204	75-125			QL-0
Sodium	596000	200	11	1000	613000	NR	75-125			QL-0
Zinc	6820	10.0	11	1000	81.7	673	75-125			QL-0

Excelchem Environmental Lab.

RWQC Central Valley 11020 Sun Center Dr. #200	Project: Project Number:	Walker Mine 10-026-150	Data Ranartad
Rancho Cordova, CA 95670	Project Number: Project Manager:	Jeff Huggins	Date Reported: 07/25/11 11:47

Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AUF0291 - EPA 200.7					•					
Matrix Spike Dup (AUF0291-MSD1)		Source: 1106076	6-02	Prepared: (06/09/11 A	nalyzed: 07	/18/11			
Arsenic	999	10.0	ug/l	1000	ND	99.9	75-125	10.3	25	
Cadmium	1190	5.0	n	1000	7.30	118	75-125	3.02	25	
Calcium	638000	100	n	1000	584000	NR	75-125	15.6	25	QL-01
Copper	1060	5.0	п	1000	2.06	106	75-125	1.12	25	
lron ·	7690	20.0	h	1000	7090	59.7	75-125	3.58	25	QL-01
Magnesium	92800	50.0	п	1000	95600	NR	75-125	14.2	25	QL-01
Potassium	178000	100	n	10000	172000	60.2	75-125	7.75	25	QL-01
Sodiun	661000	200	n	1000	613000	NR	75-125	10.4	25	QL-01
Zinc	6490	10.0	ii	1000	81.7	641	75-125	4.85	25	QL-01
Batch AUF0292 - EPA 200.7										
Blank (AUF0292-BLK1)		•		Prepared: (06/09/11 A i	nalyzed: 07	/19/11			
Aluminum	ND	50.0	ug/l					_		
Arsenic	ND	10.0	t!							
Cadmium	ND	5,0	tr.							
Calcium	ND	100	11						,	
Copper	ND	5.0	0							
fron	ND .	20.0	17							
Magnesium	ND	50.0	11,							
Potassium	ND	100	17							
Sodium	, ND	200	17							
Zinc	ND	10.0	tr							
LCS (AUF0292-BS1)			,		06/09/11 A	-			· · · · · · · · · · · · · · · · · · ·	
Aluminum	883	50.0	ug/l	1000		88.3	85-115			
Arsenic	1060	10.0	n	1000		106	85-115			
Cadmium	1050	5,0	n	1000		105	85-115			
Calcium	1090	100	h	1000		109	85-115			
Copper	1050	5.0	И	1000		105	85-115			
ron	1010	20.0	N	1000		101	85-115			
Magnesium	1040	50,0	"	1000		104	85-115			
Potassium	10800	100	п	10000		108	85-115			
Sodium	1080	200	п	1000		108	85-115			
Zinc	929	10.0	n	1000		92.9	85-115			

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Dr Don

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number: Project Manager: 10-026-150 Jeff Huggins

Date Reported: 07/25/11 11:47

Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AUF0292 - EPA 200.7										
LCS Dup (AUF0292-BSD1)	•			Prepared: ()6/09/11 A	nalyzed: 07	/20/11			_
Aluminum	957	50.0	ug/l	1000		95.7	85-115	8.01	20	
Arsenic	1080	. 10.0	ч	1000		108	85-115	2.05	20	
Cadınium	1070	5.0	н	1000		107	85-115	2.22	20	
Calcium	1090	100	н	1000		109	85-115	0.455	20	
Copper	1060	5.0	н	1 0 00		106	85-115	0.771	20	
Iron	937	20.0	н	1000		93.7	85-115	7.98	20	
Magnesium	1040	50.0	н	1 0 00		104	85-115	0.685	20	
Potassium	10700	100	н	1000 0		107	85-115	0.193	20	
Sodiun	1120	200	н	1000		112	85-115	2.81	20	
Zine	890	10.0	н	1000		89.0	85-115	4.37	20	
Matrix Spike (AUF0292-MS1)		Source: 1106070	-01	Prepared: ()6/09/11 Ai	nalyzed: 07	/19/11			
Aluminum	4280	50.0	ug/l	1000	3400	88.6	75-125			
Arsenic	870	10.0	н	1000	ND	87.0	75-125			
Cadmium	1100	5.0	н	1000	9.09	109	75-125			
Calcium	34300	100	н	1000	33200	107	75-125			
Copper	13200	5.0	ч	1000	11900	131	75-125			QL-01
Iron	2190	20.0	н	1000	1090	111	75-125			
Magnesium	7180	50.0	н	1000	6140	105	75-125			
Potassium	12900	100	н	10000	2180	107	75-125			
Sodium	3570	200	н	1000	2760	80.8	75-125	•		
Zine	1450	10.0	Ч	1000	621	83.2	75-125			
Matrix Spike Dup (AUF0292-MSD1)		Source: 1106070	-01	Prepared: ()6/09/11 A 1	nalyzed: 07	/19/11			
Aluminum	4230	50.0	ug/l	1000	3400	83.4	75-125	1.22	25	
Arsenic	1010	10.0	et.	1000	ND	101	75-125	14.4	25	
Cadmiun	1070	5.0	tl	1000	9.09	106	75-125	2.75	25	
Calcium	34200	100	п	1000	33200	94.7	75-125	0.365	25	
Copper	12900	5.0	et et	1000	11900	103	75-125	2.13	2 5	
Iron	1880	20.0	41	1000	1090	79.0	75-125	15.6	25	
Magnesium	7120	50.0	11	1000	6140	98.5	75-125	0.882	25	
Potassium	12800	100	11	10000	2180	. 106 .	75-125	0.866	25	
Sodium	. 3770	200	17	1000	2760	101	75-12 5	5.43	25	
Zinc	1430	10.0	17	1000	621	81.1	75-125	1.48	25	

Excelchem Environmental Lab.

Dr >--

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number:

10-026-150

Date Reported:

Project Manager:

Jeff Huggins

07/25/11 11:47

Wet Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AUF0088 - SM 4500-H+ B										
Duplicate (AUF0088-DUP1)		Source: 110606	0-01	Prepared &	Analyzed:	06/03/11				
pH	7.45	0.100	pH Units		8.08			8.11	20	Field
Batch AUF0090 - EPA 120.1					_					
Duplicate (AUF0090-DUP1)		Source: 110606	0-01	Prepared &	k Analyzed:	06/06/11		•		_
Specific Conductance (EC)	706	5.00	uS/cm		706			0.00	20	
Batch AUF0141 - SM 2540C										
Blank (AUF0141-BLK1)				Prepared: (06/07/11 A	nalyzed: 06	5/13/11			
Total Dissolved Solids	ND	15.0	mg/L				ì			
Duplicate (AUF0141-DUP1)		Source: 110607	0-14	Prepared: (06/07/11 A	nalyzed: 06	5/13/11			
Total Dissolved Solids	57.0	15.0	mg/L		56.0			1.77	20	
Batch AUF0192 - SM2340B								•		
Blank (AUF0192-BLK1)				Prepared &	t Analyzed:	06/13/11				
Total Hardness	ND	5.00	mg/L		-					_
LCS (AUF0192-BS1)				Prepared &	k Analyzed:	06/13/11				
Total Hardness	50.0	5.00	mg/L	50.0		100	80-120	_		
LCS Dup (AUF0192-BSD1)				Prepared &	k Analyzed:	06/13/11				
Total Hardness	54.0	5.00	mg/L	50.0		108	80-120	7.69	20	

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RWQC Central Valley Project: Walker Mine
11020 Sun Center Dr. #200 Project Number: 10-026-150 Date Reported:
Rancho Cordova, CA 95670 Project Manager: Jeff Huggins 07/25/11 11:47

Wet Chemistry - Quality Control

		Reporting Limit		Spike Level	Source		%REC Limits		RPD Limit	
Analyte	Result	Limit	Units	Lêvel	Result	%REC	Limits	RPD	Limit	Notes
Batch AUF0192 - SM2340B										
Duplicate (AUF0192-DUP1)		Source: 1106116	5-01	Prepared &	Analyzed:	06/13/11				
Total Hardness	374	5.00	mg/L		346	-		7.78	20	
Matrix Spike (AUF0192-MS1)		Source: 1106114	1- 01	Prepared &	: Analyzed:	06/18/11			•	
Total Hardness	64.0	5.00	ıng/L	50.0	12.0	104	75-125			
Matrix Spike Dup (AUF0192-MSD1)	4	Source: 1106114	1 -01	Prepared &	Analyzed:	06/18/11				
Total Hardness	66.0	5.00	mg/L	50.0	12.0	108	75-125	3.08	20	
Datala 4 TIEQ102 - CB42220D				•						
Batch AUF0193 - SM2320B						•				
Blank (AUF0193-BLK1)				Prepared &	Analyzed:	06/15/11				
Bicarbonate Alkalinity	ND	5.00	mg/L							
Carbonate Alkalinity	ИD	5.00	H							
Hydroxide Alkalinity	ND	5.00	н							
Total Alkalinity	ND	5.00	"	,					•	
LCS (AUF0193-BS1)				Prepared &	Analyzed:	06/15/11				
Total Alkalinity	102	5.0 0	mg/L	100		102	80-120	•		
LCS Dup (AUF0193-BSD1)				Prepared &	: Analyzed:	06/15/11				
Total Alkalinity	104	5.00	ıng/L	100		104	80-120	1.94	20	
Duplicate (AUF0193-DUP1)		Source: 110607;	3-02	Prepared &	: Analyzed:	06/15/11				
Bicarbonate Alkalinity	88.0	5.00	ıng/L	-	86.0			2.30	20	
Carbonate Alkalinity	ND	5.00	17		ND				20	
Hydroxide Alkalinity	ND	5,00	tr		ND				20	
Total Alkalinity	88.0	5.00	17		86.0			2.30	20	

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Dr 3-

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number: Project Manager: 10-026-150

Jeff Huggins

Date Reported: 07/25/11 11:47

Wet Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Lii ni t	Notes
Batch AUF0193 - SM2320B										
Matrix Spike (AUF0193-MS1)		Source: 110607	0-04	Prepared & Analyzed: 06/15/11						
Total Alkalinity	110	5.00	mg/L	100	12.0	98.0	80-120			•
Matrix Spike Dup (AUF0193-MSD1)		Source: 110607	Prepared & Analyzed: 06/15/11							
Total Alkalinity	108	5.00	ıng/L	100	12.0	96.0	80-120	1.83	20	_

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D- 2--

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670

Project:

Walker Mine

Project Number: Project Manager: 10-026-150 Jeff Huggins

Date Reported: 07/25/11 11:47

Ion Chromatography - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AUF0117 - EPA 300.0	<u> </u>						٠			
Blank (AUF0117-BLK1)				Prepared &	Analyzed:	06/07/11				
Chloride	ND	0.5	mg/L					-		
Sulfate as SO4	ND	0.5	н							
LCS (AUF0117-BS1)				Prepared &	Analyzed:	06/07/11				
Chloride	10.0	0.5	mg/L	10.0		99.7	80-120			
Sulfate as SO4	10.0	0.5	н	10.0		99.8	80-120			
LCS Dup (AUF0117-BSD1)				Prepared &	z Analyzed:	06/07/11				
Chloride	10.0	0.5	mg/L	10.0		99.5	80-120	0.241	20	_
Sulfate as SO4	10.3	0.5	н	10.0		103	80-120	2.91	20	
Duplicate (AUF0117-DUP1)		Source: 1106091	1-01	Prepared &	Analyzed:	06/07/11				
Chloride	45.1	0.5	mg/L		44.8			0.638	20	
Sulfate as SO4	7.1	0.5	и		7.2			1.90	20	

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Dr Don

RWQC Central Valley	Project:	Walker Mine	
11020 Sun Center Dr. #200	Project Number:	10-026-150	Date Reported:
Rancho Cordova, CA 95670	Project Manager:	Jeff Huggins	07/25/11 11:47

Notes and Definitions

R-07 This sample was diluted due to matrix interference, resulting in elevated reporting limits

QL-01 Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.

Field This analyte was analyzed outside of the EPA recommended hold time of ASAP and should be analyzed in the field.

ND Analyte not detected at reporting limit.

NR Not reported

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Dr 2

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project:

Walker Mine

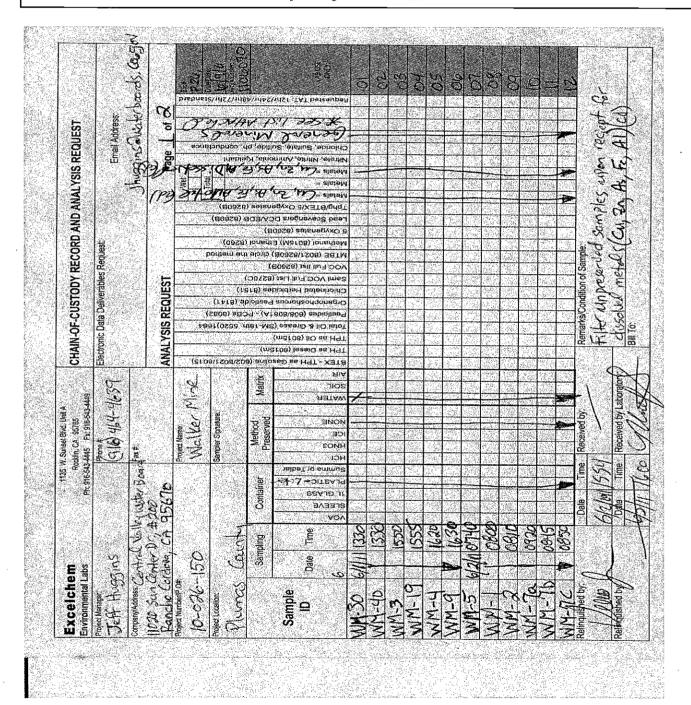
Project Number:

10-026-150

Project Manager:

Jeff Huggins

Date Reported: 07/25/11 11:47

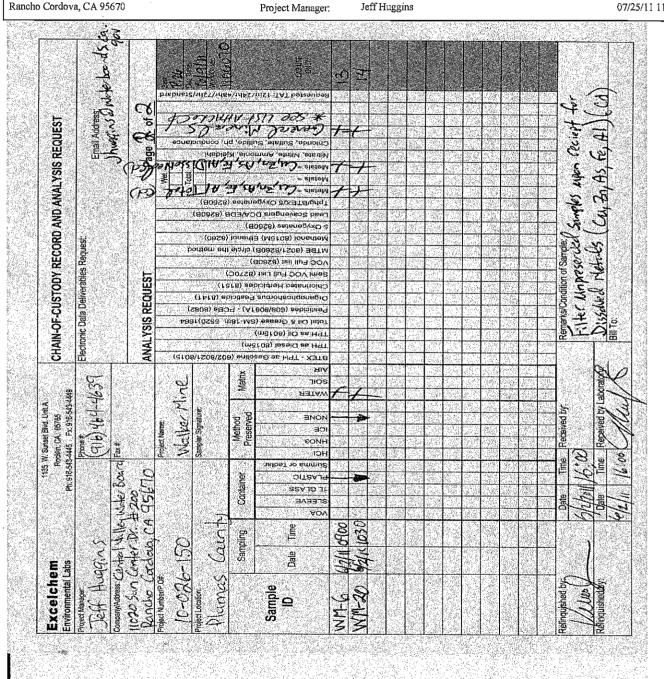


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RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670 Project: Project Number: Walker Mine 10-026-150 Jeff Huggins

Date Reported: 07/25/11 11:47



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RWQC Central Valley 11020 Sun Center Dr. #200	Project: Project Number:	Walker Mine 10-026-150	Date Reported:
Rancho Cordova, CA 95670	Project Manager;	Jeff Huggins	07/25/11 11:47

Sample Integrity	Y 10 milion (Control of Control	WOR	K ORDER	1106070
Date Received: 💪	12/2011 ·			naeussum en de liste (1905) Partin van Station (1905)
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Transported In Ice	Chest Box Hand	3 The State of the		eg Suserioris III
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Has chilling process b	egun? 🕢 N	Samples Received Ch	7 maga ang atrawasi 7.7 Sulasi sa atrawasi 7.7	Ambient /CO
A CONTRACTOR OF THE CONTRACTOR OF THE	and the second second	The Control of the Co	and the second of the second	
Temperature of Sam	iples (°C):	Ice Chest Tempera	ture(s) (°C):	<u>. 3</u>
and the second of the second o				
Section 2 — Bottle/Analy				
Section 2 = Bottle/Analy	SIS LUIO.	Yes No	N/A	and and the second
Did all bottles arrive unb			in after the sign of a sign of the sign	Comments
Did all bottle labels agree Were correct containers u				med de rechtement gegente
Were correct preservation				
Was a sufficient amount o	of sample sent for tes	its indicated?		
Were bubbles present in VC)A Vials?: (Volatile M	ethods Only)		e est primario de la companio de la companio de la companio de la companio de la companio de la companio de la La companio de la companio de la companio de la companio de la companio de la companio de la companio de la co
Section 3 – COC Info.	Completed Info From	and the second second second second second		
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Was COC Received Date Sampled	X	Analysis Requested Samples arrived within holding time		Page 1 to 1 to 1 to 1 to 1 to 1 to 1 to 1 t
	√ 2011-200 200 200	Any hold times less than 72 hrs	Committee of the Control of the All Chieffers and the control of the Control of t	15PC
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Was Client notified of dis		No (N/A) Not	7.25 (2.26) 45 49 45 to	500 (1987) 1988 (1988) 2 P
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