

# CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

August 22, 2006

**CLS Work Order #: CPF0001**  
**COC #: 71797**

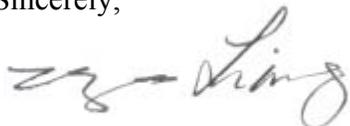
Steve Rosenbaum  
CRWQCB - Sacramento  
11020 Sun Center Drive, Ste. 200  
Rancho Cordova, CA 95670-6114

**Project Name: Walker Mine**

Enclosed are the results of analyses for samples received by the laboratory on 06/01/06 07:30. 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,

A handwritten signature in cursive script, appearing to read "James Liang".

James Liang, Ph.D.  
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

# CALIFORNIA LABORATORY SERVICES

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 #: CPF0001 COC #: 71797
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CLS - Labs		CHAIN OF CUSTODY			ANALYSIS REQUESTED		GEOTRACKER:		
REPORT TO: NAME AND ADDRESS <i>Leticia Valadez</i> 11020 Sun Center Drive, Suite 200 Rancho Cordova, CA 95670		CLIENT JOB NUMBER			PRESERVATIVES		EDF REPORT <input type="checkbox"/> YES <input type="checkbox"/> NO		
PROJECT MANAGER <i>Steve Rosenbaum</i> 916-464-4631		DESTINATION LABORATORY <input checked="" type="checkbox"/> CLS (916) 638-7301 3249 FITZGERALD RD. RANCHO CORDOVA, CA 95742			<i>Bio Group 7</i> <i>= TOTAL METALS</i> <i>+ DISSOLVED METALS</i> <i>+ GENERAL MINERALS</i>		GLOBAL ID: _____		
PROJECT NAME <i>Walker Mine - PCA 13180</i>		<input type="checkbox"/> OTHER					COMPOSITE:		
SAMPLED BY <i>Jeff Huggins/Steve Rosenbaum</i>		SITE LOCATION <i>Plumas, Co. CA</i>			FIELD CONDITIONS:		TURN AROUND TIME		
JOB DESCRIPTION		DATE			TIME		SPECIAL INSTRUCTIONS		
SAMPLE IDENTIFICATION		MATRIX		CONTAINER NO. TYPE		1 DAY		OR	
5-31 10:45 WM-5 LGC u/s		W		3 Plastic 3/2 X		2 DAY		ALT. ID:	
5-31 11:10 WM-3 DC D/S						5 DAY		<i>NEED LOW</i> <i>DETECTION LIMITS</i> <i>FOR METALS</i>	
11:35 WM-1 PORTAL						10 DAY			
11:50 WM-2 DC U/S									
13:20 WM-19 POND									
13:30 WM-20 DUMP									
* 17:10 WM-9 LGC AT BROWN'S CABIN									
* Note: These two samples likely have elevated Copper (Cu) levels									
SUSPECTED CONSTITUENTS		PRESERVATIVES:		(1) HCL (2) HNO <sub>3</sub>		(3) = COLD (4) = NaOH		(5) = H <sub>2</sub> SO <sub>4</sub> (6) = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (7) =	
RELINQUISHED BY (SIGN)		PRINT NAME / COMPANY		DATE / TIME		RECEIVED BY (SIGN)		PRINT NAME / COMPANY	
<i>J.H. Huggins</i>		Jeff Huggins/CRWQCB		6-1-06/7:30am					
REC'D AT LAB BY		DATE / TIME		CONDITIONS / COMMENTS					
<i>[Signature]</i>		6/1/06 0930		38					
SHIPPED BY:		<input type="checkbox"/> FED X		<input type="checkbox"/> UPS		<input type="checkbox"/> OTHER		AIR BILL #	

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## Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-5 LGC U/S (CPF0001-01) Water</b> <b>Sampled: 05/31/06 10:45</b> <b>Received: 06/01/06 07:30</b>									
<b>Total Alkalinity</b>	<b>21</b>	5.0	mg/L	1	CP04112	06/02/06	06/02/06	EPA 310.1	
<b>Bicarbonate as CaCO3</b>	<b>21</b>	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
<b>Chloride</b>	<b>0.69</b>	0.50	"	"	CP04174	06/06/06	06/06/06	EPA 300.0	
<b>Specific Conductance (EC)</b>	<b>56</b>	1.0	µmhos/cm	"	CP04078	06/01/06	06/01/06	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CP04061	06/01/06	06/01/06	EPA 425.1	
<b>Calcium</b>	<b>7.1</b>	1.0	"	"	CP04232	06/07/06	06/07/06	200.7/2340B	
<b>Magnesium</b>	<b>2.3</b>	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
<b>Sodium</b>	<b>2.9</b>	1.0	"	"	"	"	"	"	
<b>Hardness as CaCO3</b>	<b>27</b>	1.0	"	"	"	"	"	"	
<b>pH</b>	<b>7.22</b>		pH Units	"	CP04052	06/01/06	06/01/06	EPA 150.1	
Sulfate as SO4	ND	0.50	mg/L	"	CP04174	06/06/06	06/06/06	EPA 300.0	
<b>Total Dissolved Solids</b>	<b>52</b>	10	"	"	CP04108	06/02/06	06/02/06	EPA 160.1	
<b>WM-3 DC D/S (CPF0001-02) Water</b> <b>Sampled: 05/31/06 11:10</b> <b>Received: 06/01/06 07:30</b>									
<b>Total Alkalinity</b>	<b>44</b>	5.0	mg/L	1	CP04112	06/02/06	06/02/06	EPA 310.1	
<b>Bicarbonate as CaCO3</b>	<b>44</b>	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
<b>Chloride</b>	<b>0.72</b>	0.50	"	"	CP04174	06/06/06	06/06/06	EPA 300.0	
<b>Specific Conductance (EC)</b>	<b>76</b>	1.0	µmhos/cm	"	CP04078	06/01/06	06/01/06	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CP04061	06/01/06	06/01/06	EPA 425.1	
<b>Calcium</b>	<b>9.8</b>	1.0	"	"	CP04232	06/07/06	06/07/06	200.7/2340B	
<b>Magnesium</b>	<b>4.4</b>	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
<b>Sodium</b>	<b>2.2</b>	1.0	"	"	"	"	"	"	
<b>Hardness as CaCO3</b>	<b>43</b>	1.0	"	"	"	"	"	"	
<b>pH</b>	<b>7.56</b>		pH Units	"	CP04052	06/01/06	06/01/06	EPA 150.1	
Sulfate as SO4	<b>1.4</b>	0.50	mg/L	"	CP04174	06/06/06	06/06/06	EPA 300.0	
<b>Total Dissolved Solids</b>	<b>78</b>	10	"	"	CP04108	06/02/06	06/02/06	EPA 160.1	

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## Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-1 Portal (CPF0001-03) Water    Sampled: 05/31/06 11:35    Received: 06/01/06 07:30</b>									
<b>Total Alkalinity</b>	<b>62</b>	5.0	mg/L	1	CP04112	06/02/06	06/02/06	EPA 310.1	
<b>Bicarbonate as CaCO3</b>	<b>62</b>	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
<b>Chloride</b>	<b>0.85</b>	0.50	"	"	CP04174	06/06/06	06/06/06	EPA 300.0	
<b>Specific Conductance (EC)</b>	<b>110</b>	1.0	µmhos/cm	"	CP04078	06/01/06	06/01/06	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CP04061	06/01/06	06/01/06	EPA 425.1	
<b>Calcium</b>	<b>15</b>	1.0	"	"	CP04232	06/07/06	06/07/06	200.7/2340B	
<b>Magnesium</b>	<b>5.4</b>	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
<b>Sodium</b>	<b>4.9</b>	1.0	"	"	"	"	"	"	
<b>Hardness as CaCO3</b>	<b>60</b>	1.0	"	"	"	"	"	"	
<b>pH</b>	<b>6.88</b>		pH Units	"	CP04052	06/01/06	06/01/06	EPA 150.1	
<b>Sulfate as SO4</b>	<b>1.5</b>	0.50	mg/L	"	CP04174	06/06/06	06/06/06	EPA 300.0	
<b>Total Dissolved Solids</b>	<b>100</b>	10	"	"	CP04108	06/02/06	06/02/06	EPA 160.1	
<b>WM-2 DC U/S (CPF0001-04) Water    Sampled: 05/31/06 11:50    Received: 06/01/06 07:30</b>									
<b>Total Alkalinity</b>	<b>69</b>	5.0	mg/L	1	CP04112	06/02/06	06/02/06	EPA 310.1	
<b>Bicarbonate as CaCO3</b>	<b>69</b>	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
<b>Chloride</b>	<b>0.77</b>	0.50	"	"	CP04174	06/06/06	06/06/06	EPA 300.0	
<b>Specific Conductance (EC)</b>	<b>120</b>	1.0	µmhos/cm	"	CP04078	06/01/06	06/01/06	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CP04061	06/01/06	06/01/06	EPA 425.1	
<b>Calcium</b>	<b>16</b>	1.0	"	"	CP04232	06/07/06	06/07/06	200.7/2340B	
<b>Magnesium</b>	<b>7.5</b>	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
<b>Sodium</b>	<b>2.8</b>	1.0	"	"	"	"	"	"	
<b>Hardness as CaCO3</b>	<b>71</b>	1.0	"	"	"	"	"	"	
<b>pH</b>	<b>7.76</b>		pH Units	"	CP04052	06/01/06	06/01/06	EPA 150.1	
<b>Sulfate as SO4</b>	<b>ND</b>	0.50	mg/L	"	CP04174	06/06/06	06/06/06	EPA 300.0	
<b>Total Dissolved Solids</b>	<b>98</b>	10	"	"	CP04108	06/02/06	06/02/06	EPA 160.1	

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## Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-19 Pond (CPF0001-05) Water    Sampled: 05/31/06 13:20    Received: 06/01/06 07:30</b>									
Total Alkalinity	25	5.0	mg/L	1	CP04112	06/02/06	06/02/06	EPA 310.1	
Bicarbonate as CaCO3	25	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.74	0.50	"	"	CP04174	06/06/06	06/06/06	EPA 300.0	
Specific Conductance (EC)	130	1.0	µmhos/cm	"	CP04078	06/01/06	06/01/06	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CP04061	06/01/06	06/01/06	EPA 425.1	
Calcium	18	1.0	"	"	CP04232	06/07/06	06/07/06	200.7/2340B	
Magnesium	3.6	1.0	"	"	"	"	"	"	
Potassium	1.6	1.0	"	"	"	"	"	"	
Sodium	2.7	1.0	"	"	"	"	"	"	
Hardness as CaCO3	61	1.0	"	"	"	"	"	"	
pH	6.72		pH Units	"	CP04052	06/01/06	06/01/06	EPA 150.1	
Sulfate as SO4	52	1.0	mg/L	2	CP04174	06/06/06	06/06/06	EPA 300.0	
Total Dissolved Solids	120	10	"	1	CP04108	06/02/06	06/02/06	EPA 160.1	
<b>WM-20 Dump (CPF0001-06) Water    Sampled: 05/31/06 13:30    Received: 06/01/06 07:30</b>									
Total Alkalinity	38	5.0	mg/L	1	CP04113	06/02/06	06/02/06	EPA 310.1	
Bicarbonate as CaCO3	38	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.75	0.50	"	"	CP04174	06/06/06	06/06/06	EPA 300.0	
Specific Conductance (EC)	94	1.0	µmhos/cm	"	CP04078	06/01/06	06/01/06	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CP04061	06/01/06	06/01/06	EPA 425.1	
Calcium	12	1.0	"	"	CP04232	06/07/06	06/07/06	200.7/2340B	
Magnesium	4.3	1.0	"	"	"	"	"	"	
Potassium	1.1	1.0	"	"	"	"	"	"	
Sodium	3.6	1.0	"	"	"	"	"	"	
Hardness as CaCO3	49	1.0	"	"	"	"	"	"	
pH	7.35		pH Units	"	CP04052	06/01/06	06/01/06	EPA 150.1	
Sulfate as SO4	11	0.50	mg/L	"	CP04174	06/06/06	06/06/06	EPA 300.0	
Total Dissolved Solids	90	10	"	"	CP04108	06/02/06	06/02/06	EPA 160.1	

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## Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-9 LGC At Browns Cabin (CPF0001-07) Water    Sampled: 05/31/06 17:10    Received: 06/01/06 07:30</b>									
<b>Total Alkalinity</b>	<b>35</b>	5.0	mg/L	1	CP04113	06/02/06	06/02/06	EPA 310.1	
<b>Bicarbonate as CaCO3</b>	<b>35</b>	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
<b>Chloride</b>	<b>0.68</b>	0.50	"	"	CP04174	06/06/06	06/06/06	EPA 300.0	
<b>Specific Conductance (EC)</b>	<b>58</b>	1.0	µmhos/cm	"	CP04078	06/01/06	06/01/06	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CP04061	06/01/06	06/01/06	EPA 425.1	
<b>Calcium</b>	<b>8.1</b>	1.0	"	"	CP04232	06/07/06	06/07/06	200.7/2340B	
<b>Magnesium</b>	<b>2.5</b>	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
<b>Sodium</b>	<b>2.9</b>	1.0	"	"	"	"	"	"	
<b>Hardness as CaCO3</b>	<b>31</b>	1.0	"	"	"	"	"	"	
<b>pH</b>	<b>7.68</b>		pH Units	"	CP04052	06/01/06	06/01/06	EPA 150.1	
<b>Sulfate as SO4</b>	<b>1.4</b>	0.50	mg/L	"	CP04174	06/06/06	06/06/06	EPA 300.0	
<b>Total Dissolved Solids</b>	<b>62</b>	10	"	"	CP04108	06/02/06	06/02/06	EPA 160.1	

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## Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-5 LGC U/S (CPF0001-01) Water    Sampled: 05/31/06 10:45    Received: 06/01/06 07:30</b>									
Aluminum	90	20	µg/L	1	CP04060	06/01/06	06/01/06	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	ND	1.0	"	"	"	"	"	"	
Iron	120	50	"	"	"	"	"	"	
Zinc	3.1	2.0	"	"	"	"	"	"	
<b>WM-3 DC D/S (CPF0001-02) Water    Sampled: 05/31/06 11:10    Received: 06/01/06 07:30</b>									
Aluminum	100	20	µg/L	1	CP04060	06/01/06	06/01/06	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	33	1.0	"	"	"	"	"	"	
Iron	180	50	"	"	"	"	"	"	
Zinc	5.4	2.0	"	"	"	"	"	"	
<b>WM-1 Portal (CPF0001-03) Water    Sampled: 05/31/06 11:35    Received: 06/01/06 07:30</b>									
Aluminum	ND	20	µg/L	1	CP04060	06/01/06	06/01/06	EPA 200.8	
Arsenic	21	2.0	"	"	"	"	"	"	
Copper	140	1.0	"	"	"	"	"	"	
Iron	55	50	"	"	"	"	"	"	
Zinc	84	2.0	"	"	"	"	"	"	
<b>WM-2 DC U/S (CPF0001-04) Water    Sampled: 05/31/06 11:50    Received: 06/01/06 07:30</b>									
Aluminum	91	20	µg/L	1	CP04060	06/01/06	06/01/06	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	ND	1.0	"	"	"	"	"	"	
Iron	66	50	"	"	"	"	"	"	
Zinc	2.3	2.0	"	"	"	"	"	"	

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## Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-19 Pond (CPF0001-05) Water    Sampled: 05/31/06 13:20    Received: 06/01/06 07:30</b>									
Aluminum	270	40	µg/L	2	CP04060	06/01/06	06/01/06	EPA 200.8	
Arsenic	ND	2.0	"	1	"	"	"	"	
Copper	2300	100	"	100	"	"	"	"	
Iron	170	50	"	1	"	"	"	"	
Zinc	180	2.0	"	"	"	"	"	"	
<b>WM-20 Dump (CPF0001-06) Water    Sampled: 05/31/06 13:30    Received: 06/01/06 07:30</b>									
Aluminum	47	20	µg/L	1	CP04060	06/01/06	06/01/06	EPA 200.8	
Arsenic	2.2	2.0	"	"	"	"	"	"	
Copper	450	5.0	"	5	"	"	"	"	
Iron	90	50	"	1	"	"	"	"	
Zinc	35	2.0	"	"	"	"	"	"	
<b>WM-9 LGC At Browns Cabin (CPF0001-07) Water    Sampled: 05/31/06 17:10    Received: 06/01/06 07:30</b>									
Aluminum	77	20	µg/L	1	CP04060	06/01/06	06/01/06	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	35	1.0	"	"	"	"	"	"	
Iron	180	50	"	"	"	"	"	"	
Zinc	5.6	2.0	"	"	"	"	"	"	

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## Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-5 LGC U/S (CPF0001-01) Water    Sampled: 05/31/06 10:45    Received: 06/01/06 07:30</b>									
Aluminum	66	20	µg/L	1	CP04247	06/07/06	06/07/06	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	77	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
<b>WM-3 DC D/S (CPF0001-02) Water    Sampled: 05/31/06 11:10    Received: 06/01/06 07:30</b>									
Aluminum	88	20	µg/L	1	CP04247	06/07/06	06/07/06	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	24	2.0	"	"	"	"	"	"	
Iron	89	50	"	"	"	"	"	"	
Zinc	4.8	2.0	"	"	"	"	"	"	
<b>WM-1 Portal (CPF0001-03) Water    Sampled: 05/31/06 11:35    Received: 06/01/06 07:30</b>									
Aluminum	ND	20	µg/L	1	CP04247	06/07/06	06/07/06	EPA 200.8	
Arsenic	23	5.0	"	"	"	"	"	"	
Copper	130	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	76	2.0	"	"	"	"	"	"	
<b>WM-2 DC U/S (CPF0001-04) Water    Sampled: 05/31/06 11:50    Received: 06/01/06 07:30</b>									
Aluminum	83	20	µg/L	1	CP04247	06/07/06	06/07/06	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	

# CALIFORNIA LABORATORY SERVICES

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 #: CPF0001 COC #: 71797
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## Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-19 Pond (CPF0001-05) Water    Sampled: 05/31/06 13:20    Received: 06/01/06 07:30</b>									
Aluminum	120	20	µg/L	1	CP04247	06/07/06	06/07/06	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	2400	200	"	100	"	"	"	"	
Iron	81	50	"	1	"	"	"	"	
Zinc	160	2.0	"	"	"	"	"	"	
<b>WM-20 Dump (CPF0001-06) Water    Sampled: 05/31/06 13:30    Received: 06/01/06 07:30</b>									
Aluminum	38	20	µg/L	1	CP04247	06/07/06	06/07/06	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	480	10	"	5	"	"	"	"	
Iron	65	50	"	1	"	"	"	"	
Zinc	33	2.0	"	"	"	"	"	"	
<b>WM-9 LGC At Browns Cabin (CPF0001-07) Water    Sampled: 05/31/06 17:10    Received: 06/01/06 07:30</b>									
Aluminum	58	20	µg/L	1	CP04247	06/07/06	06/07/06	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	30	2.0	"	"	"	"	"	"	
Iron	140	50	"	"	"	"	"	"	
Zinc	3.9	2.0	"	"	"	"	"	"	

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## 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
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### Batch CP04061 - General Preparation

**Blank (CP04061-BLK1)** Prepared & Analyzed: 06/01/06

Methylene Blue Active Substances	ND	0.10	mg/L							
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**LCS (CP04061-BS1)** Prepared & Analyzed: 06/01/06

Methylene Blue Active Substances	0.528	0.10	mg/L	0.500		106	80-120			
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**LCS Dup (CP04061-BSD1)** Prepared & Analyzed: 06/01/06

Methylene Blue Active Substances	0.501	0.10	mg/L	0.500		100	80-120	5.25	20	
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**Matrix Spike (CP04061-MS1)** Source: CPE0912-02 Prepared & Analyzed: 06/01/06

Methylene Blue Active Substances	0.566	0.10	mg/L	0.500	0.12	89.2	75-125			
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**Matrix Spike Dup (CP04061-MSD1)** Source: CPE0912-02 Prepared & Analyzed: 06/01/06

Methylene Blue Active Substances	0.599	0.10	mg/L	0.500	0.12	95.8	75-125	5.67	25	
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### Batch CP04078 - General Preparation

**Blank (CP04078-BLK1)** Prepared & Analyzed: 06/01/06

Specific Conductance (EC)	ND	1.0	µmhos/cm							
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### Batch CP04108 - General Preparation

**Blank (CP04108-BLK1)** Prepared & Analyzed: 06/02/06

Total Dissolved Solids	ND	10	mg/L							
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### Batch CP04112 - General Preparation

**Blank (CP04112-BLK1)** Prepared & Analyzed: 06/02/06

Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	"							
Carbonate as CaCO3	ND	5.0	"							
Hydroxide as CaCO3	ND	5.0	"							

# CALIFORNIA LABORATORY SERVICES

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## 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
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### Batch CP04113 - General Preparation

#### Blank (CP04113-BLK1)

Prepared & Analyzed: 06/02/06

Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	"							
Carbonate as CaCO3	ND	5.0	"							
Hydroxide as CaCO3	ND	5.0	"							

### Batch CP04174 - General Prep

#### Blank (CP04174-BLK1)

Prepared & Analyzed: 06/06/06

Sulfate as SO4	ND	0.50	mg/L							
Chloride	ND	0.50	"							

#### LCS (CP04174-BS1)

Prepared & Analyzed: 06/06/06

Chloride	1.98	0.50	mg/L	2.00		99.0	80-120			
Sulfate as SO4	4.75	0.50	"	5.00		95.0	80-120			

#### LCS Dup (CP04174-BSD1)

Prepared & Analyzed: 06/06/06

Chloride	1.98	0.50	mg/L	2.00		99.0	80-120	0.00	20	
Sulfate as SO4	4.73	0.50	"	5.00		94.6	80-120	0.422	20	

#### Matrix Spike (CP04174-MS1)

Source: CPF0001-01

Prepared & Analyzed: 06/06/06

Sulfate as SO4	4.81	0.50	mg/L	5.00	ND	96.2	75-125			
Chloride	2.24	0.50	"	2.00	0.69	77.5	75-125			

#### Matrix Spike Dup (CP04174-MSD1)

Source: CPF0001-01

Prepared & Analyzed: 06/06/06

Sulfate as SO4	4.82	0.50	mg/L	5.00	ND	96.4	75-125	0.208	25	
Chloride	2.24	0.50	"	2.00	0.69	77.5	75-125	0.00	25	

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## 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
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### Batch CP04232 - 6010A/No Digestion

#### Blank (CP04232-BLK1)

Prepared & Analyzed: 06/07/06

Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
Hardness as CaCO3	ND	1.0	"							

#### LCS (CP04232-BS1)

Prepared & Analyzed: 06/07/06

Calcium	ND	1.0	mg/L				80-120			A-COM
Magnesium	ND	1.0	"				80-120			A-COM
Potassium	ND	1.0	"				80-120			A-COM
Sodium	0.0439	1.0	"				80-120			A-COM

#### LCS Dup (CP04232-BSD1)

Prepared & Analyzed: 06/07/06

Calcium	ND	1.0	mg/L				80-120		20	A-COM
Magnesium	ND	1.0	"				80-120		20	A-COM
Potassium	ND	1.0	"				80-120		20	A-COM
Sodium	0.0476	1.0	"				80-120	8.09	20	A-COM

#### Matrix Spike (CP04232-MS1)

Source: CPF0001-01

Prepared & Analyzed: 06/07/06

Calcium	28.1	1.0	mg/L	20.0	7.1	105	75-125			
Magnesium	21.6	1.0	"	20.0	2.3	96.5	75-125			
Potassium	17.8	1.0	"	20.0	ND	89.0	75-125			
Sodium	20.7	1.0	"	20.0	2.9	89.0	75-125			

#### Matrix Spike Dup (CP04232-MSD1)

Source: CPF0001-01

Prepared & Analyzed: 06/07/06

Calcium	27.8	1.0	mg/L	20.0	7.1	104	75-125	1.07	25	
Magnesium	21.3	1.0	"	20.0	2.3	95.0	75-125	1.40	25	
Potassium	17.1	1.0	"	20.0	ND	85.5	75-125	4.01	25	
Sodium	20.2	1.0	"	20.0	2.9	86.5	75-125	2.44	25	

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## Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch CP04060 - EPA 3020A

#### Blank (CP04060-BLK1)

Prepared & Analyzed: 06/01/06

Aluminum	ND	20	µg/L							
Arsenic	ND	2.0	"							
Copper	ND	1.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							

#### LCS (CP04060-BS1)

Prepared & Analyzed: 06/01/06

Aluminum	99.8	20	µg/L	100		99.8	80-120			
Arsenic	94.2	2.0	"	100		94.2	80-120			
Copper	94.6	1.0	"	100		94.6	80-120			
Iron	104	50	"	100		104	80-120			
Zinc	93.2	2.0	"	100		93.2	80-120			

#### LCS Dup (CP04060-BSD1)

Prepared & Analyzed: 06/01/06

Aluminum	95.8	20	µg/L	100		95.8	80-120	4.09	20	
Arsenic	90.1	2.0	"	100		90.1	80-120	4.45	20	
Copper	88.7	1.0	"	100		88.7	80-120	6.44	20	
Iron	97.4	50	"	100		97.4	80-120	6.55	20	
Zinc	91.8	2.0	"	100		91.8	80-120	1.51	20	

#### Matrix Spike (CP04060-MS1)

Source: CPF0001-01

Prepared & Analyzed: 06/01/06

Aluminum	173	20	µg/L	100	90	83.0	75-125			
Arsenic	89.3	2.0	"	100	ND	89.3	75-125			
Copper	87.6	1.0	"	100	0.66	86.9	75-125			
Iron	199	50	"	100	120	79.0	75-125			
Zinc	92.3	2.0	"	100	3.1	89.2	75-125			

#### Matrix Spike Dup (CP04060-MSD1)

Source: CPF0001-01

Prepared & Analyzed: 06/01/06

Aluminum	175	20	µg/L	100	90	85.0	75-125	1.15	25	
Arsenic	89.4	2.0	"	100	ND	89.4	75-125	0.112	25	
Copper	88.5	1.0	"	100	0.66	87.8	75-125	1.02	25	
Iron	201	50	"	100	120	81.0	75-125	1.00	25	
Zinc	90.6	2.0	"	100	3.1	87.5	75-125	1.86	25	

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## Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch CP04060 - EPA 3020A**

# CALIFORNIA LABORATORY SERVICES

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
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### Batch CP04247 - EPA 3020A

#### Blank (CP04247-BLK1)

Prepared & Analyzed: 06/07/06

Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							

#### LCS (CP04247-BS1)

Prepared & Analyzed: 06/07/06

Aluminum	103	20	µg/L	100		103	80-120			
Arsenic	107	5.0	"	100		107	80-120			
Copper	95.7	2.0	"	100		95.7	80-120			
Iron	104	50	"	100		104	80-120			
Zinc	95.7	2.0	"	100		95.7	80-120			

#### LCS Dup (CP04247-BSD1)

Prepared & Analyzed: 06/07/06

Aluminum	101	20	µg/L	100		101	80-120	1.96	20	
Arsenic	104	5.0	"	100		104	80-120	2.84	20	
Copper	94.4	2.0	"	100		94.4	80-120	1.37	20	
Iron	104	50	"	100		104	80-120	0.00	20	
Zinc	91.5	2.0	"	100		91.5	80-120	4.49	20	

#### Matrix Spike (CP04247-MS1)

Source: CPF0147-01

Prepared & Analyzed: 06/07/06

Aluminum	104	20	µg/L	100	ND	104	75-125			
Arsenic	118	5.0	"	100	1.6	116	75-125			
Copper	94.4	2.0	"	100	ND	94.4	75-125			
Iron	115	50	"	100	16	99.0	75-125			
Zinc	98.7	2.0	"	100	1.4	97.3	75-125			

#### Matrix Spike Dup (CP04247-MSD1)

Source: CPF0147-01

Prepared & Analyzed: 06/07/06

Aluminum	101	20	µg/L	100	ND	101	75-125	2.93	25	
Arsenic	114	5.0	"	100	1.6	112	75-125	3.45	25	
Copper	89.9	2.0	"	100	ND	89.9	75-125	4.88	25	
Iron	115	50	"	100	16	99.0	75-125	0.00	25	
Zinc	95.2	2.0	"	100	1.4	93.8	75-125	3.61	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 #: CPF0001 COC #: 71797
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## 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
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**Batch CP04247 - EPA 3020A**

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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 #: CPF0001**  
COC #: 71797

## Notes and Definitions

A-COM LCS and LCSD were not spiked. Batch was accepted based on acceptable MS/MSD recoveries and RPD's.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference