

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

15 February 2016

CLS Work Order #: CZB0450

COC #: GREEN

Greg Stanton
El Dorado County Environmental

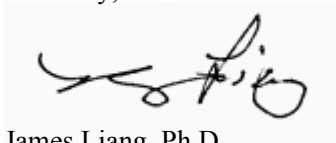
2850 Fairlane Court, Building C
Placerville, CA 95667

Project Name: Former Lime Plant

Enclosed are the results of analyses for samples received by the laboratory on 02/09/16 12:25. 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. Any comments and exceptions are addressed below as well as under the Notes and Definitions section.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'James Liang', is written over a light gray rectangular background.

James Liang, Ph.D.
Laboratory Director

CALIFORNIA LABORATORY SERVICES

02/15/16 13:30

El Dorado County Environmental
2850 Fairlane Court, Building C
Placerville CA, 95667

Project: Former Lime Plant
Project Number: 037-C-0607-BOS
Project Manager: Greg Stanton

CLS Work Order #: CZB0450
COC #: GREEN

CAM 17 Metals

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lime-2-S (CZB0450-10) Soil Sampled: 02/01/16 11:46 Received: 02/09/16 12:25										
Antimony	ND	2.0	2.5	mg/kg	1	CZ00996	02/10/16	02/10/16	EPA 6010B	
Arsenic	0.55	0.39	1.0	"	5	"	"	02/11/16	EPA 6020	J
Barium	20	0.57	1.0	"	1	"	"	02/10/16	EPA 6010B	
Beryllium	ND	0.10	1.0	"	1	"	"	"	"	
Cadmium	ND	0.25	1.0	"	1	"	"	"	"	
Chromium	0.80	0.31	1.0	"	1	"	"	"	"	J
Cobalt	ND	0.20	1.0	"	1	"	"	"	"	
Copper	1.2	0.82	1.0	"	1	"	"	"	"	
Lead	ND	1.1	2.5	"	1	"	"	"	"	
Mercury	0.063	0.0072	0.10	"	1	CZ01108	02/15/16	02/15/16	EPA 7471A	J
Molybdenum	ND	0.40	1.0	"	1	CZ00996	02/10/16	02/10/16	EPA 6010B	
Nickel	1.6	0.49	1.0	"	1	"	"	"	"	
Selenium	0.39	0.11	2.5	"	5	"	"	02/11/16	EPA 6020	J
Silver	ND	0.080	1.0	"	5	"	"	"	"	
Thallium	0.39	0.022	1.0	"	5	"	"	"	"	J
Vanadium	1.1	0.78	1.0	"	1	"	"	02/10/16	EPA 6010B	
Zinc	2.7	0.39	1.0	"	1	"	"	"	"	
Lime-7-S (CZB0450-11) Soil Sampled: 02/01/16 13:05 Received: 02/09/16 12:25										
Antimony	ND	2.0	2.5	mg/kg	1	CZ00996	02/10/16	02/10/16	EPA 6010B	
Arsenic	1.5	0.39	1.0	"	5	"	"	02/11/16	EPA 6020	
Barium	19	0.57	1.0	"	1	"	"	02/10/16	EPA 6010B	
Beryllium	ND	0.10	1.0	"	1	"	"	"	"	
Cadmium	ND	0.25	1.0	"	1	"	"	"	"	
Chromium	1.5	0.31	1.0	"	1	"	"	"	"	
Cobalt	0.28	0.20	1.0	"	1	"	"	"	"	J
Copper	3.3	0.82	1.0	"	1	"	"	"	"	
Lead	17	1.1	2.5	"	1	"	"	"	"	
Mercury	0.082	0.0072	0.10	"	1	CZ01108	02/15/16	02/15/16	EPA 7471A	J
Molybdenum	ND	0.40	1.0	"	1	CZ00996	02/10/16	02/10/16	EPA 6010B	
Nickel	3.7	0.49	1.0	"	1	"	"	"	"	
Selenium	0.22	0.11	2.5	"	5	"	"	02/11/16	EPA 6020	J
Silver	ND	0.080	1.0	"	5	"	"	"	"	
Thallium	0.47	0.022	1.0	"	5	"	"	"	"	J
Vanadium	6.6	0.78	1.0	"	1	"	"	02/10/16	EPA 6010B	
Zinc	5.8	0.39	1.0	"	1	"	"	"	"	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

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El Dorado County Environmental 2850 Fairlane Court, Building C Placerville CA, 95667	Project: Former Lime Plant Project Number: 037-C-0607-BOS Project Manager: Greg Stanton	CLS Work Order #: CZB0450 COC #: GREEN
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CAM 17 Metals - Quality Control

CLS Labs

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CZ00996 - EPA 3050B

Blank (CZ00996-BLK1)

Prepared & Analyzed: 02/10/16

Antimony	ND	2.0	2.5	mg/kg							
Arsenic	ND	0.077	0.20	"							
Barium	ND	0.57	1.0	"							
Beryllium	ND	0.10	1.0	"							
Cadmium	ND	0.25	1.0	"							
Chromium	0.375	0.31	1.0	"							
Cobalt	ND	0.20	1.0	"							
Copper	ND	0.82	1.0	"							
Lead	ND	1.1	2.5	"							
Molybdenum	ND	0.40	1.0	"							
Nickel	ND	0.49	1.0	"							
Selenium	ND	0.021	0.50	"							
Silver	ND	0.016	0.20	"							
Thallium	ND	3.2	4.0	"							
Thallium	ND	0.0044	0.20	"							
Vanadium	ND	0.78	1.0	"							
Zinc	ND	0.39	1.0	"							

LCS (CZ00996-BS1)

Prepared & Analyzed: 02/10/16

Antimony	93.2	2.0	2.5	mg/kg	100		93	75-125			
Arsenic	87.7	0.077	0.20	"	100		88	75-125			
Barium	107	0.57	1.0	"	100		107	75-125			
Beryllium	98.1	0.10	1.0	"	100		98	75-125			
Cadmium	103	0.25	1.0	"	100		103	75-125			
Chromium	104	0.31	1.0	"	100		104	75-125			
Cobalt	97.9	0.20	1.0	"	100		98	75-125			
Copper	101	0.82	1.0	"	100		101	75-125			
Lead	99.1	1.1	2.5	"	100		99	75-125			
Molybdenum	99.9	0.40	1.0	"	100		100	75-125			
Nickel	97.8	0.49	1.0	"	100		98	75-125			
Selenium	85.8	0.021	0.50	"	100		86	75-125			
Silver	89.0	0.016	0.20	"	100		89	75-125			
Thallium	104	0.0044	0.20	"	100		104	75-125			
Thallium	107	3.2	4.0	"	100		107	75-125			
Vanadium	103	0.78	1.0	"	100		103	75-125			
Zinc	95.0	0.39	1.0	"	100		95	75-125			

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CAM 17 Metals - Quality Control

CLS Labs

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CZ00996 - EPA 3050B

Matrix Spike (CZ00996-MS1)	Source: CZB0400-01			Prepared & Analyzed: 02/10/16							
Antimony	36.1	2.0	2.5	mg/kg	100	ND	36	75-125			QM-7
Arsenic	81.1	0.39	1.0	"	100	5.80	75	75-125			
Barium	171	0.57	1.0	"	100	75.7	96	75-125			
Beryllium	87.1	0.10	1.0	"	100	ND	87	75-125			
Cadmium	90.4	0.25	1.0	"	100	1.50	89	75-125			
Chromium	121	0.31	1.0	"	100	26.6	95	75-125			
Cobalt	104	0.20	1.0	"	100	27.0	77	75-125			
Copper	241	0.82	1.0	"	100	118	122	75-125			
Lead	81.4	1.1	2.5	"	100	ND	81	75-125			
Molybdenum	78.4	0.40	1.0	"	100	ND	78	75-125			
Nickel	111	0.49	1.0	"	100	28.2	83	75-125			
Selenium	74.7	0.11	2.5	"	100	ND	75	75-125			
Silver	87.5	0.080	1.0	"	100	0.385	87	75-125			
Thallium	104	0.022	1.0	"	100	1.35	103	75-125			
Thallium	79.7	3.2	4.0	"	100	ND	80	75-125			
Vanadium	210	0.78	1.0	"	100	99.9	110	75-125			
Zinc	150	0.39	1.0	"	100	59.9	90	75-125			

Matrix Spike Dup (CZ00996-MSD1)	Source: CZB0400-01			Prepared & Analyzed: 02/10/16							
Antimony	34.4	2.0	2.5	mg/kg	100	ND	34	75-125	5	30	QM-7
Arsenic	79.3	0.39	1.0	"	100	5.80	74	75-125	2	30	QM-5
Barium	172	0.57	1.0	"	100	75.7	96	75-125	0.4	30	
Beryllium	86.1	0.10	1.0	"	100	ND	86	75-125	1	30	
Cadmium	88.5	0.25	1.0	"	100	1.50	87	75-125	2	30	
Chromium	120	0.31	1.0	"	100	26.6	93	75-125	1	30	
Cobalt	106	0.20	1.0	"	100	27.0	79	75-125	2	30	
Copper	224	0.82	1.0	"	100	118	106	75-125	7	30	
Lead	79.8	1.1	2.5	"	100	ND	80	75-125	2	30	
Molybdenum	76.1	0.40	1.0	"	100	ND	76	75-125	3	30	
Nickel	109	0.49	1.0	"	100	28.2	81	75-125	2	30	
Selenium	73.6	0.11	2.5	"	100	ND	74	75-125	1	30	QM-5
Silver	87.2	0.080	1.0	"	100	0.385	87	75-125	0.3	30	
Thallium	103	0.022	1.0	"	100	1.35	102	75-125	1	30	
Thallium	78.5	3.2	4.0	"	100	ND	78	75-125	2	30	
Vanadium	203	0.78	1.0	"	100	99.9	104	75-125	3	30	
Zinc	147	0.39	1.0	"	100	59.9	87	75-125	2	30	

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Project Number: 037-C-0607-BOS
Project Manager: Greg Stanton

CLS Work Order #: CZB0450
COC #: GREEN

CAM 17 Metals - Quality Control

CLS Labs

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CZ01108 - EPA 7471A											
Blank (CZ01108-BLK1)											
						Prepared & Analyzed: 02/15/16					
Mercury	ND	0.0072	0.10	mg/kg							
LCS (CZ01108-BS1)											
						Prepared & Analyzed: 02/15/16					
Mercury	0.233	0.0072	0.10	mg/kg	0.250		93	75-125			
Matrix Spike (CZ01108-MS1)											
						Source: CZB0598-01					
						Prepared & Analyzed: 02/15/16					
Mercury	0.310	0.0072	0.10	mg/kg	0.250	0.202	43	75-125	QM-5		
Matrix Spike Dup (CZ01108-MSD1)											
						Source: CZB0598-01					
						Prepared & Analyzed: 02/15/16					
Mercury	0.424	0.0072	0.10	mg/kg	0.250	0.202	89	75-125	31	25	QR-1

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Project Number: 037-C-0607-BOS
Project Manager: Greg Stanton

CLS Work Order #: CZB0450
COC #: GREEN

Notes and Definitions

- QR-1 The RPD value for the sample duplicate or MS/MSD was outside of the QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery.
- 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-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.
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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.

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02/15/16 13:30

El Dorado County Environmental
2850 Fairlane Court, Building C
Placerville CA, 95667

Project: Former Lime Plant
Project Number: 037-C-0607-BOS
Project Manager: Greg Stanton

CLS Work Order #: CZB0450
COC #: GREEN

CHANGE OF STATUS

CZB0450

CLS Labs Job # CZB0058

Project Name: Former Lime Plant

Date Sample(s) Were Received: 2/1/16 Original Date _____

Robert (Client Contacted) of El Dorado County (Company) called email

on 2/9/16 (Date) at 10:30 (Time)

... and requested the following:

Please perform Can 17 metals
analysis on samples "lime-2-S" (CLS-10)
and "lime-7-S" (CLS-11)
5 day pricing

Turnaround time requested for additional work: 3 day
Will Orellana (Signature) 2/9/16 (Date)

Updated lab job database and file folder by: _____

Cc: _____

H:\WillOrellana\ChangeOfStatus.Doc

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