



04 May 2012

Cynthia Gano
Cal Trans - District 8
464 W. 4th St., 6th Floor
San Bernardino, CA 92401-1400

RE:CV Kane

Work Order No.: 1205043

Attached are the results of the analyses for samples received by the laboratory on 05/02/12 16:30.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report.
If you require any additional retaining time, please advise us.

Sincerely,

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS),
Environmental Laboratory Accreditation Program (ELAP) No. 2320.



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Reported:
05/04/12 09:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Northbound In Pump House #1	1205043-01	Water	05/02/12 06:30	05/02/12 16:30
Southbound Hose Bib #4	1205043-02	Water	05/02/12 06:40	05/02/12 16:30
Northbound Raw Water	1205043-03	Water	05/02/12 06:35	05/02/12 16:30
Treated Water	1205043-04	Water	05/02/12 06:30	05/02/12 16:30

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4°C, and accompanied by chain of custody documentation.
PRESERVATION: Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES: All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA: All quality objective criteria were met, except as noted in the report with data qualifiers.

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Microbiological Parameters by APHA Standard Methods
Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Northbound In Pump House #1 (1205043-01) Water Sampled: 05/02/12 06:30 Received: 05/02/12 16:30									
Total Coliforms	Absent		P/A	1	B2E0211	05/02/12	05/02/12 17:15	SM 9223B	
Southbound Hose Bib #4 (1205043-02) Water Sampled: 05/02/12 06:40 Received: 05/02/12 16:30									
Total Coliforms	Absent		P/A	1	B2E0211	05/02/12	05/02/12 17:15	SM 9223B	
Northbound Raw Water (1205043-03) Water Sampled: 05/02/12 06:35 Received: 05/02/12 16:30									
Total Coliforms	Absent		P/A	1	B2E0211	05/02/12	05/02/12 17:15	SM 9223B	

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Physical/Conventional Chemistry Parameters by Field Test Kits
Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Northbound In Pump House #1 (1205043-01) Water Sampled: 05/02/12 06:30 Received: 05/02/12 16:30									
Chlorine Residual	1.61	0.100	mg/L	1	B2E0211	05/02/12	05/02/12 17:15	Test Kit	
Southbound Hose Bib #4 (1205043-02) Water Sampled: 05/02/12 06:40 Received: 05/02/12 16:30									
Chlorine Residual	0.860	0.100	mg/L	1	B2E0211	05/02/12	05/02/12 17:15	Test Kit	

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Metals by EPA 200 Series Methods
Sierra Analytical Labs, Inc.

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Northbound Raw Water (1205043-03) Water Sampled: 05/02/12 06:35 Received: 05/02/12 16:30									
Arsenic	ND	6.0	µg/L	1	B2E0309	05/03/12	05/03/12 15:01	EPA 200.8	
Treated Water (1205043-04) Water Sampled: 05/02/12 06:30 Received: 05/02/12 16:30									
Arsenic	ND	6.0	µg/L	1	B2E0309	05/03/12	05/03/12 15:01	EPA 200.8	

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Metals by EPA 200 Series Methods - Quality Control
Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2E0309 - EPA 200 Series										
Blank (B2E0309-BLK1) Prepared & Analyzed: 05/03/12										
Arsenic	ND	6.0	µg/L							
LCS (B2E0309-BS1) Prepared & Analyzed: 05/03/12										
Arsenic	48.9	6.0	µg/L	50.0		97.8	85-115			
Matrix Spike (B2E0309-MS1) Source: 1204332-03 Prepared & Analyzed: 05/03/12										
Arsenic	54.1	6.0	µg/L	50.0	3.9	100	70-130			
Matrix Spike Dup (B2E0309-MSD1) Source: 1204332-03 Prepared & Analyzed: 05/03/12										
Arsenic	54.8	6.0	µg/L	50.0	3.9	102	70-130	1.29	30	

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Notes and Definitions

_A Absent
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

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