

1 STATE OF CALIFORNIA
2 WATER RESOURCES CONTROL BOARD
3 DIVISION OF DRINKING WATER
4

5 **IN RE:** City of Arcadia Water System
6 Public Works Services Department
7 11800 Goldring Road
8 Arcadia, CA 91066-6021

9 **TO:** Mr. Tom Tait
10 Public Works Services Director
11 City of Arcadia

12 **CITATION FOR NONCOMPLIANCE - WATER SYSTEM NO. 1910003**

13 **CITATION NO. 04_22_16C_001**

14 **Issued on March 10, 2016**

15 Section 116650 of the California Health and Safety Code authorizes the issuance of a
16 citation to a public water system for violation of the California Safe Drinking Water Act
17 (Health and Safety Code, Division 104, Part 12, Chapter 4, commencing with Section
18 116270) (hereinafter "California SDWA"), or any regulation, standard, permit or order
19 issued or adopted thereunder.

20
21 The State Water Resources Control Board, acting by and through its Division of
22 Drinking Water (hereinafter "Division") and the Deputy Director for the Division
23 (hereinafter "Deputy Director"), hereby issues a citation to the City of Arcadia
24 (hereinafter, City) (mailing address: 11800 Goldring Road, Arcadia, CA 91066) for
25 failure to comply with Sections 64421, 64423.1(c)(3), and 64426 of Title 22, California
26 Code of Regulations.
27

1 **APPLICABLE AUTHORITIES**

2
3 Section 116271 of the Health and Safety Code states in relevant part:

4
5 (a) *The State Water Resources Control Board succeeds to and is vested with all of*
6 *the authority, duties, powers, purposes, functions, responsibilities, and*
7 *jurisdiction of the State Department of Public Health, its predecessors, and its*
8 *director for purposes of all of the following:*

9 (1) *The Environmental Laboratory Accreditation Act (Article 3 (commencing with*
10 *Section 100825) of Chapter 4 of Part 1 of Division 101).*

11 (2) *Article 3 (commencing with Section 106875) of Chapter 4 of Part 1.*

12 (3) *Article 1 (commencing with Section 115825) of Chapter 5 of Part 10.*

13 (4) *This chapter and the Safe Drinking Water State Revolving Fund Law of 1997*
14 *(Chapter 4.5 (commencing with Section 116760)).*

15 (5) *Article 2 (commencing with Section 116800), Article 3 (commencing with*
16 *Section 116825), and Article 4 (commencing with Section 116875) of Chapter*
17 *5.*

18 (6) *Chapter 7 (commencing with Section 116975).*

19 (7) *The Safe Drinking Water, Water Quality and Supply, Flood Control, River and*
20 *Coastal Protection Bond Act of 2006 (Division 43 (commencing with Section*
21 *75001) of the Public Resources Code).*

22 (8) *The Water Recycling Law (Chapter 7 (commencing with Section 13500) of*
23 *Division 7 of the Water Code).*

24 (9) *Chapter 7.3 (commencing with Section 13560) of Division 7 of the Water*
25 *Code.*

26 (10) *The California Safe Drinking Water Bond Law of 1976 (Chapter 10.5*
27 *(commencing with Section 13850) of Division 7 of the Water Code).*

1 (11) *Wholesale Regional Water System Security and Reliability Act (Division 20.5*
2 *(commencing with Section 73500) of the Water Code).*

3 (12) *Water Security, Clean Drinking Water, Coastal and Beach Protection Act of*
4 *2002 (Division 26.5 (commencing with Section 79500) of the Water Code).*

5
6 (b) *The State Water Resources Control Board shall maintain a drinking water*
7 *program and carry out the duties, responsibilities, and functions described in this*
8 *section. Statutory reference to "department," "state department," or "director"*
9 *regarding a function transferred to the State Water Resources Control Board*
10 *shall refer to the State Water Resources Control Board. This section does not*
11 *impair the authority of a local health officer to enforce this chapter or a county's*
12 *election not to enforce this chapter, as provided in Section 116500...*

13
14 (k) (1) *The State Water Resources Control Board shall appoint a deputy director*
15 *who reports to the executive director to oversee the issuance and*
16 *enforcement of public water system permits and other duties as appropriate.*
17 *The deputy director shall have public health expertise.*

18 (2) *The deputy director is delegated the State Water Resources Control Board's*
19 *authority to provide notice, approve notice content, approve emergency*
20 *notification plans, and take other action pursuant to Article 5 (commencing*
21 *with Section 116450), to issue, renew, reissue, revise, amend, or deny any*
22 *public water system permits pursuant to Article 7 (commencing with Section*
23 *116525), to suspend or revoke any public water system permit pursuant to*
24 *Article 8 (commencing with Section 116625), and to issue citations, assess*
25 *penalties, or issue orders pursuant to Article 9 (commencing with Section*
26 *116650). Decisions and actions of the deputy director taken pursuant to*
27 *Article 5 (commencing with Section 116450) or Article 7 (commencing with*

1 Section 116525) are deemed decisions and actions taken, but are not subject
2 to reconsideration, by the State Water Resources Control Board. Decisions
3 and actions of the deputy director taken pursuant to Article 8 (commencing
4 with Section 116625) and Article 9 (commencing with Section 116650) are
5 deemed decisions and actions taken by the State Water Resources Control
6 Board, but any aggrieved person may petition the State Water Resources
7 Control Board for reconsideration of the decision or action. This subdivision is
8 not a limitation on the State Water Resources Control Board's authority to
9 delegate any other powers and duties.

10
11 Section 116650 of Health and Safety Code states in relevant part:

12
13 (a) *If the Department determines that a public water system is in violation of this*
14 *chapter or any regulation, permit, standard, citation, or order issued or adopted*
15 *thereunder, the Department may issue a citation to the public water system. The*
16 *citation shall be served upon the public water system personally or by certified*
17 *mail. Service shall be deemed effective as of the date of personal service or the*
18 *date of receipt of the certified mail. If a person to whom a citation is directed*
19 *refuses to accept delivery of the certified mail, the date of service shall be deemed*
20 *to be the date of mailing.*

21 (b) *Each citation shall be in writing and shall describe the nature of the violation or*
22 *violations, including a reference to the statutory provision, standard, order, citation,*
23 *permit, or regulation alleged to have been violated.*

24 (c) *A citation may specify a date for elimination or correction of the condition*
25 *constituting the violation.*

26 (d) *A citation may include the assessment of a penalty as specified in subdivision (e).*
27

1 (e) *The Department may assess a penalty in an amount not to exceed one thousand*
2 *dollars (\$1,000) per day for each day that a violation occurred, and for each day*
3 *that a violation continues to occur. A separate penalty may be assessed for each*
4 *violation.*

5
6 Title 22, California Code of Regulations, Article 3. Primary Standard – Bacteriological
7 Quality, Sections 64424, 64423.1 and 64426 state in relevant parts:

8
9 64421. General Requirements

10
11 (a) *Each water supplier shall:*

12 (1) *Develop a routine sample siting plan as required in section 64422;*

13 (2) *Collect routine, repeat and replacement samples as required in Sections*
14 *64423, 64424, and 64425;*

15 (3) *Have all samples analyzed by laboratories approved to perform those analyses*
16 *by the State Board and report results as required in section 64423.1;*

17 (4) *Notify the State Board when there is an increase in coliform bacteria in*
18 *bacteriological samples as required in section 64426; and*

19 (5) *Comply with the Maximum Contaminant Level as required in section 64426.1.*
20

21 64423.1. Sample Analysis and Reporting of Results

22
23 (c) *Analytical results of all required samples collected for a system in a calendar month*
24 *shall be reported to the State Board not later than the tenth day of the following*
25 *month, as follows:*

26 (1) *The water supplier shall submit a monthly summary of the bacteriological*
27 *monitoring results to the State Board.*

1 (2) For systems serving fewer than 10,000 service connections or 33,000 persons,
2 the water supplier shall require the laboratory to submit copies of all required
3 bacteriological monitoring results directly to the State Board.

4 (3) For systems serving more than 10,000 service connections, or 33,000 persons,
5 the water supplier shall require the laboratory to submit copies of
6 bacteriological monitoring results for all positive routine samples and all repeat
7 samples directly to the State Board.

8
9 64426. Significant Rise in Bacterial Count

10
11 (a) Any of the following criteria shall indicate a possible significant rise in bacterial
12 count:

13 (1) A system collecting at least 40 samples per month has a total coliform-positive
14 routine sample followed by two total coliform-positive repeat samples in the
15 repeat sample set;

16 (2) A system has a sample which is positive for fecal coliform or *E. coli*; or

17 (3) A system fails the total coliform Maximum Contaminant Level (MCL) as defined
18 in Section 64426.1.

19
20 (b) When the coliform levels specified in subsection (a) are reached or exceeded, the
21 water supplier shall:

22 (1) Contact the State Board by the end of the day on which the system is notified of
23 the test result or the system determines that it has exceeded the MCL, unless
24 the notification or determination occurs after the State Board office is closed, in
25 which case the supplier shall notify the State Board within 24 hours; and

26 (2) Submit to the State Board information on the current status of physical works
27 and operating procedures which may have caused the elevated bacteriological

1 findings, or any information on community illness suspected of being
2 waterborne. This shall include, but not be limited to:

3 (A) Current operating procedures that are or could potentially be related to the
4 increase in bacterial count;

5 (B) Any interruptions in the treatment process;

6 (C) System pressure loss to less than 5 psi;

7 (D) Vandalism and/or unauthorized access to facilities;

8 (E) Physical evidence indicating bacteriological contamination of facilities;

9 (F) Analytical results of any additional samples collected, including source
10 samples;

11 (G) Community illness suspected of being waterborne; and

12 (H) Records of the investigation and any action taken.

13
14 (c) Upon receiving notification from the State Board of a significant rise in bacterial
15 count, the water supplier shall implement the emergency notification plan required
16 by Section 116460, Health and Safety Code.

17
18 Title 22, California Code of Regulations, Article 20, Consumer Confidence Report,
19 Section 64481 states in relevant part:

20
21 64481. Content of the Consumer Confidence Report

22
23 (g) For the year covered by the report, the Consumer Confidence Report shall note
24 any violations of paragraphs (1) through (7) and give related information,
25 including any potential adverse health effects, and the steps the system has
26 taken to correct the violation.

27 (1) Monitoring and reporting of compliance data...

1 **STATEMENT OF FACTS**

2
3 **Background**

4 The City is located in the eastern portion of Los Angeles County, about 17 miles east-
5 northeast from the downtown Los Angeles. Its service area, covering most of the
6 city's boundary, is predominantly residential with some commercial establishments
7 and light industries. The City also serves a few customers outside the city boundaries,
8 in the unincorporated areas of Los Angeles County. According to the City's 2014
9 Annual Report to the Division, the City supplies drinking water to approximately 57,639
10 residents through 14,264 active service connections. Out of the 14,264 connections,
11 13,046 are residential connections, 984 are commercial connections and 234 are
12 irrigation connections.

13
14 The City operates its water system under the authority of a domestic water supply
15 permit issued by the Division on February 4, 1974 and 13 amendments issued on May
16 8, 1978, October 15, 1982, January 27, 1987, April 25, 1989, November 26, 1990,
17 December 10, 2001, June 15, 2002, November 12, 2003, July 29, 2009, September 1,
18 2009, October 18, 2010, April 20, 2011 and April 25, 2011.

19
20 The City's water supply system consists of 14 active wells, 1 active connection with
21 the Metropolitan Water District of Southern California, 16 active storage
22 tanks/reservoirs and 1 forebay that provide about 46.4 MG of water storage for the 9
23 pressure zones, 3 active pressure reducing stations, and 12 booster stations. The
24 City has six emergency interconnections, one each with the City of Sierra Madre, East
25 Pasadena Water Company, San Gabriel Valley Water Company, and Sunnyslope
26 Water Company, and two connections with the Golden State Water Company.

27

1 The City collects 20 routine bacteriological samples from the distribution system
2 weekly. The City's Bacteriological Sample Siting Plan was updated in September
3 2014. The designated sampler is Mr. Michael Thai, the City's Water Quality Specialist
4 and a certified T3 treatment and D5 distribution operator. He is the City's main
5 contact person for all water quality issues.

6
7 **Summary of Events**

8
9 Tuesday, January 19, 2016

10 The City collected the bacteriological samples from the 20 approved routine sample
11 sites. The samples were collected between 7:50 am and 12:27 pm, relinquished by
12 Mr. Thai, and received by Weck Laboratories, Inc. at 2:15 pm.

13
14 Wednesday, January 20, 2016

15 At around 10:25 am, Weck Laboratories, Inc. completed the bacteriological analysis of
16 routine samples collected by the City on January 19, 2016. According to the
17 laboratory report, the sample collected at 200 Virginia Drive tested positive for total
18 coliform and *E. Coli* (Attachment 1).

19
20 Between 2:00 pm and 3:38 pm, the City collected the repeat samples from 200
21 Virginia Drive (Routine Sample Site #20), 73 Virginia Drive (Upstream Repeat Sample
22 Site #20A) and 10 Virginia Drive (Downstream Repeat Sample Site #20B). In
23 addition, triggered source samples were collected from Peck Well, Liveoak Well,
24 Longley Well 3 and Camino Real Well 3. The samples were relinquished by Mr. Thai,
25 and received by Weck Laboratories, Inc. at 4:40 pm.

26

27

1 Thursday, January 21, 2016

2 At around 12:02 pm, Weck Laboratories, Inc. completed the bacteriological analysis of
3 samples collected by the City on January 20, 2016. According to the laboratory
4 report, all samples tested negative for bacteriological contamination (Attachment 2).

5
6 Wednesday, February 10, 2016

7 The Division received the City's January 2016 Compliance Reports. The submittal
8 included the Monthly Summary of Distribution System Coliform Monitoring, Raw Water
9 Coliform Monitoring, General Physical Monitoring Summary, Monthly Distribution
10 System Chlorine Residual, St. Joseph Plant, Orange Grove Plant and Longden Plant
11 Volatile Organic Chemicals and Nitrate Blending Reports, Quarterly Report for
12 Disinfectant Residuals Compliance, Stage 2 Disinfectants/Disinfection Byproduct Rule
13 Reports and laboratory reports prepared by Weck Laboratories, Inc. Mr. Thai
14 prepared the City's Compliance Reports.

15
16 Tuesday, February 16, 2016

17 Between 8:20 am and 12:56 pm, the City collected the bacteriological samples from
18 the 20 approved routine sample sites. The samples were relinquished by Mr. Thai,
19 and received by Weck Laboratories, Inc. at 2:15 pm. (Attachment 3).

20
21 Ms. Naira Ghukasyan, an Environmental Scientist with the Division, reviewed the
22 City's January 2016 Compliance Reports. The Monthly Summary of Distribution
23 System Coliform Monitoring indicated that the City had one total coliform positive
24 sample and one *E. Coli* positive sample in January 2016. The Coliform Monitoring
25 Worksheet indicated that the total coliform and *E. Coli* positive sample was collected
26 on January 19, 2016 from 200 Virginia Drive. The Worksheet also showed three
27 repeat samples and four triggered source monitoring samples were collected on

1 January 20, 2016 (Attachment 4). The repeat samples and triggered source
2 monitoring samples tested negative for total coliform and *E. Coli*. However, the
3 laboratory reports that were included in the package contained only the reports for the
4 weeks of January 4, 2016 and January 11, 2016. The laboratory reports for the weeks
5 of January 18, 2016 and January 25, 2016, were missing.

6
7 At 2:16 pm, Ms. Ghukasyan sent an email to Mr. Thai to follow-up on the missing
8 laboratory reports (Attachment 5). She also asked if the City had notified the Division
9 of the *E. Coli* positive result. In addition, Ms. Ghukasyan informed Ms. Ofelia Oracion,
10 a Sanitary Engineer with the Division of the *E. Coli* positive result of the sample
11 collected on January 19, 2016. That's when Ms. Oracion learned of the incident. Ms.
12 Oracion had not received any notification from the City nor copies of laboratory reports
13 from the laboratory. Around 4:16 pm, Mr. Thai submitted the laboratory reports via
14 email.

15
16 Wednesday, February 17, 2016

17 At around 11:07 am, Weck Laboratories, Inc. completed the bacteriological analysis of
18 the routine samples collected by the City on February 16, 2016. According to the
19 Laboratory Report, samples collected from 240 West Huntington Drive and 710 South
20 Santa Anita Avenue tested positives for total coliform but negative for *E. Coli*
21 (Attachment 6).

22
23 Between 1:40 pm and 2:14 pm, the City collected the repeat samples from 240 West
24 Huntington Drive (Routine Sample Site #6), 240 West Huntington Drive East
25 (Upstream Repeat Sample Site #6A), 388 W. Huntington Drive (Downstream Repeat
26 Sample Site #6B), 710 South Santa Anita Avenue (Routine Sample Site #17), 612
27 South Santa Anita Avenue (Upstream Repeat Sample Site #17A), and 21 Genoa

1 Street (Downstream Repeat Sample Site #17B). In addition, triggered source samples
2 were collected from Peck Well, Longley Well 3, Camino Real Well 3, Live Oak Well,
3 Orange Grove Well 1A, Orange Grove Well 2A, Orange Grove Well 5, Orange Grove
4 Well 6, and St. Joseph Well 2. The samples were relinquished by Mr. Thai, and
5 received by Weck Laboratories, Inc. at 4:57 pm. (Attachment 7).

6
7 Thursday, February 18, 2016

8 Around 11:40 am, Weck Laboratories, Inc. completed the bacteriological analysis of
9 samples collected by the City on February 17, 2016. According to the Laboratory
10 Report dated February 24, 2016, all samples were free of coliform bacteria
11 (Attachment 8).

12
13 Around 1:00 pm, Mr. Thai contacted Ms. Oracion by phone. He reported that two
14 samples collected on February 16, 2016 tested total coliform positive but negative for
15 *E. Coli*. However, the repeat samples and triggered source samples collected on
16 February 17, 2016 tested negative for coliform bacteria.

17
18 Ms. Oracion asked Mr. Thai about the January 2016 incident. Mr. Thai said that he
19 had forgotten to contact the Division to report the incident. He had the impression that
20 the laboratory should be the one to report the positive result to the Division. He was
21 calling to report the February 16, 2016 incident, to make sure the Division was aware
22 of the total coliform positive results, just in case the laboratory failed to contact the
23 Division again. Ms. Oracion explained to Mr. Thai that it was the City's responsibility
24 to notify the Division. The laboratory should be directed to contact the Division
25 directly, if they cannot make direct contact with the City's designated contact person
26 within 24 hours. It appeared that the laboratory was able to contact the City within the
27 24 hour time period on January 20, 2016. Ms. Oracion also reminded Mr. Thai that

1 whenever a possible significant rise in bacterial count is indicated, such as a sample is
2 positive for fecal coliform or *E. Coli*, the City must notify the Division by the end of the
3 day on which the City has received notification from the laboratory. Ms. Oracion
4 reiterated to Mr. Thai that the City should also have required the laboratory to submit
5 copies of bacteriological monitoring results for all positive routine samples and all
6 repeat samples directly to the Division. The Division did not receive the reports for
7 positive samples for the week of January 18, 2016 directly from the laboratory.

8
9 Monday, February 22, 2016

10 Mr. Thai emailed to the Division the Chain of Custody for samples collected on
11 February 16 and 17, 2016 and the revised Monthly Distribution Chlorine Residual
12 Report (Attachments 3 and 7).

13
14 Tuesday, February 23, 2016

15 Around 3:00 pm, Mr. Craig Clark and Mr. Thai contacted Ms. Oracion by phone. Mr.
16 Craig reported that City's operators had attended the online RCAC training on Revised
17 Total Coliform Rule at around 2 o'clock in the afternoon.

18
19 Wednesday, February 24, 2016

20 Mr. Thai emailed to the Division copies of laboratory reports for all positive samples
21 collected during the week of February 16, 2016, as well as the reports for the repeat
22 samples and triggered source samples collected on February 17, 2016 (Attachments 6
23 and 8).

1 **DETERMINATIONS**

2
3 The Division has determined that the City has violated subsection (a)(4) of Section
4 64421, *General Requirements*, subsection (c)(3) of Section 64423.1, *Sample Analysis*
5 *and Reporting Results*, and subsections (a)(2), and (b) of Section 64426, *Significant*
6 *Rise in Bacterial Count*, of Title 22, California Code of Regulations due to: (1) the
7 failure to contact the Division by the end of January 20, 2016 on which the City was
8 notified by the laboratory of a sample collected on January 19, 2014 was positive for
9 *E. Coli*; (2) the failure to submit to the Division information on the status of physical
10 works and operating procedures which may have caused the elevated bacteriological
11 findings, or any information on community illness suspected of being waterborne; and,
12 (3) the failure to require the laboratory to submit all copies of bacteriological
13 monitoring results for all positive samples directly to the Division by February 10,
14 2016.

15
16 **DIRECTIVES**

- 17
18 1. The City shall conduct a detailed investigation of the cause of *E. Coli* positive result
19 in January 2016 and total coliform positive results in February 2016 and correct
20 any deficiencies found during the investigation. The investigation report shall
21 include the information required in Section 64426(b)(2) of Title 22, California Code
22 of Regulations. The report shall be submitted to the Division no later than **April 7,**
23 **2016.**
- 24
25 2. The City shall require the laboratory to submit copies of bacteriological monitoring
26 results for all positive routine samples and all repeat samples directly to the
27

1 Division. By **March 31, 2016**, the City shall submit to the Division a copy of the
2 letter sent to the laboratory.

3
4 3. The City shall revise the Bacteriological Sample Siting Plan updated on September
5 25, 2014. The plan shall clearly states the requirements of Section 64423.1 (a)(3).
6 The revised plan shall be submitted to the Division by **April 7, 2016**.

7
8 4. The City shall provide an on-going training to staff responsible for overseeing the
9 compliance with monitoring, reporting and notification requirements and staff
10 responsible for sample collection duties. By **June 30, 2016**, the City shall submit a
11 letter listing the names of the trainees, contents of the training sections (courses),
12 and dates and locations of these training sections provided. If in-house training is
13 used, information regarding the experiences and qualifications of the instructors
14 shall also be provided. The training courses must be related to water quality
15 monitoring, reporting and notification regulations

16
17 5. The City shall notify all persons served by the City of the reporting and notification
18 violations in conformance with Section 64481(g)(1), Title 22, California Code of
19 Regulations. The City shall note in the Consumer Confidence Report the violations
20 and give related information, including any potential adverse health effects, and
21 the steps the City has taken to correct the violation. The City shall submit to the
22 Division a copy of the Consumer Confidence Report for review and approval prior
23 to dissemination.

24
25 The Division reserves the right to make modifications to this Citation, as it may deem
26 necessary to protect public health and safety. Such modifications may be issued as
27 amendments to this Citation and shall be effective upon issuance.

1 Nothing in this Citation relieves the City of its obligation to meet the requirements of
2 H&S Code, Division 104, Part 12, Chapter 4 (California Safe Drinking Water Act), or
3 any regulation, permit, standard or order issued or adopted thereunder.

4
5 All submittals required by this Citation shall be submitted to the Division at the
6 following address:

7
8 Shu-Fang Orr, P.E.
9 District Engineer, Angeles District
10 Southern California Drinking Water Field Operations Branch
11 Division of Drinking Water, State Water Resources Control Board
12 500 North Central Avenue, Suite 500
13 Glendale, CA 91203

14
15 **PARTIES BOUND**

16
17 This Citation shall apply to and be binding upon the City, its officers, managers,
18 agents, employees, contractors, successors and assignees.

19
20 **SEVERABILITY**

21
22 The directives of this Citation are severable, and the City shall comply with each and
23 every provision thereof notwithstanding the effectiveness of any provision.

24
25
26
27

1 **FURTHER ENFORCEMENT ACTION**

2

3 Division 104, Part 12, Chapter 4, (commencing with Section 116270) of the H&S Code

4 authorizes the Division to issue additional citations with assessment of penalties if a

5 public water system continues to fail to correct a violation identified in a citation; take

6 action to suspend or revoke a permit that has been issued to a public water system if

7 the system has violated applicable law or regulations or has failed to comply with

8 orders of the Division; and petition the superior court to take various enforcement

9 measures against a public water system that has failed to comply with orders of the

10 Division. By issuance of this citation, the Division does not waive any right to take

11 further enforcement action against the City including but not limited to the assessment

12 of civil penalties as authorized by law.

13

14

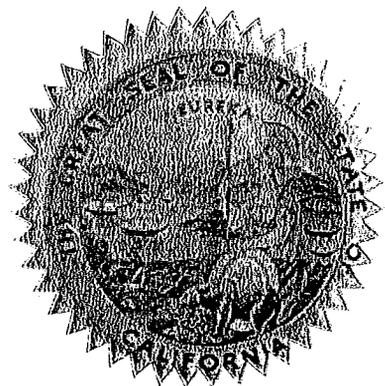
15

16 March 10, 2016

17 Date

18 Shu-Fang Orr

19 Shu-Fang Orr, P.E.
20 District Engineer
21 Angeles District



25 BY CERTIFIED MAIL NO. 7014 2870 0001 2130 1571

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Attachments (8):

1. Weck Laboratories, Inc. Reports for Routine Bacteriological Samples Collected on January 19, 2016
2. Weck Laboratories, Inc. Reports for Repeat and Triggered Source Samples Collected on January 20, 2016
3. Chain of Custody Report for Routine Bacteriological Samples Collected on February 16, 2016
4. Monthly Summary of Distribution System Coliform Monitoring and Coliform Monitoring Worksheet Reports for January 2016
5. The Division's Email of February 16, 2016
6. Weck Laboratories, Inc. Reports for Routine Bacteriological Samples Collected on February 16, 2016
7. Chain of Custody Reports for Repeat Bacteriological and Triggered Source Samples Collected on February 17, 2016
8. Weck Laboratories, Inc. Reports for Repeat Bacteriological and Triggered Source Samples Collected on February 17, 2016

**Weck Laboratories, Inc. Reports for Routine Bacteriological Samples
Collected on January 19, 2016**



Certificate of Analysis

Report Date: 02/03/16 10:25
Received Date: 01/19/16 14:15

Client: City of Arcadia
11800 Goldring Road
Arcadia, CA 91066-6021

Turnaround Time: Normal

Phone: (626) 256-6592

Attn: Michael Thai

Fax: (626) 359-7028

Project: Distribution 1910003

P.O.#:

Dear Michael Thai :

Enclosed are the results of analyses for samples received 1/19/2016 with the Chain of Custody document. The samples were received in good condition, at 17.6 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 6A19064-01 Sample ID: 11800 Goldring Road Matrix: Water
Sampled by: Michael Thai Sampled: 01/19/16 07:50

Table with 11 columns: Analyte, Result, Qualifier, Units, RL, Dil, Method, Prepared, Analyzed, Analyst, Batch. Rows include E. coli, Total Coliform, Color, Chlorine Residual, Free, Threshold Odor Number, and Turbidity.

Lab Sample ID: 6A19064-02 Sample ID: 2401 El Monte Ave Matrix: Water
Sampled by: Michael Thai Sampled: 01/19/16 12:19

Table with 11 columns: Analyte, Result, Qualifier, Units, RL, Dil, Method, Prepared, Analyzed, Analyst, Batch. Rows include E. coli, Total Coliform, Color, Chlorine Residual, Free, Threshold Odor Number, and Turbidity.

Lab Sample ID: 6A19064-03 Sample ID: 491 West Longden Ave Matrix: Water
Sampled by: Michael Thai Sampled: 01/19/16 12:12

Table with 11 columns: Analyte, Result, Qualifier, Units, RL, Dil, Method, Prepared, Analyzed, Analyst, Batch. Rows include E. coli, Total Coliform, Color, Chlorine Residual, Free, Threshold Odor Number, and Turbidity.

Lab Sample ID: 6A19064-04 Sample ID: 1230 South 10th Ave Matrix: Water
Sampled by: Michael Thai Sampled: 01/19/16 08:13

Table with 11 columns: Analyte, Result, Qualifier, Units, RL, Dil, Method, Prepared, Analyzed, Analyst, Batch. Rows include E. coli and Total Coliform.



Certificate of Analysis

Lab Sample ID: 6A19064-04 Sample ID: 1230 South 10th Ave Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 08:13

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
Color.....	ND		Color Units	3.0	1	SM 2120B	01/19/16 17:47	01/19/16 18:10	kss	W6A1028
Chlorine Residual, Free.....	0.84		mg/l	0.01	1	Field	01/19/16 08:13	01/19/16 08:13	_clnt	W6A1025
Threshold Odor Number.....	1.0		T.O.N.	1.0	1	EPA 140.1	01/19/16 18:08	01/19/16 19:00	kss	W6A1034
Turbidity.....	0.27		NTU	0.10	1	EPA 180.1	01/20/16 18:53	01/20/16 19:39	dmn	W6A1119

Lab Sample ID: 6A19064-05 Sample ID: 67 East Arthur Ave Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 12:27

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	lil	W6A1246
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	lil	W6A1246
Color.....	ND		Color Units	3.0	1	SM 2120B	01/19/16 17:47	01/19/16 18:10	kss	W6A1028
Chlorine Residual, Free.....	1.00		mg/l	0.01	1	Field	01/19/16 12:27	01/19/16 12:27	_clnt	W6A1025
Threshold Odor Number.....	1.0		T.O.N.	1.0	1	EPA 140.1	01/19/16 18:08	01/19/16 19:00	kss	W6A1034
Turbidity.....	ND		NTU	0.10	1	EPA 180.1	01/20/16 18:57	01/20/16 19:52	dmn	W6A1126

Lab Sample ID: 6A19064-06 Sample ID: 240 West Huntington Dr Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 08:42

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	lil	W6A1246
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	lil	W6A1246
Chlorine Residual, Free.....	0.73		mg/l	0.01	1	Field	01/19/16 08:42	01/19/16 08:42	_clnt	W6A1025

Lab Sample ID: 6A19064-07 Sample ID: 1001 South Goldenwest Ave Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 12:02

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	lil	W6A1246
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	lil	W6A1246
Chlorine Residual, Free.....	0.69		mg/l	0.01	1	Field	01/19/16 12:02	01/19/16 12:02	_clnt	W6A1025

Lab Sample ID: 6A19064-08 Sample ID: 401 North Baldwin Ave Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 11:40

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	lil	W6A1246
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	lil	W6A1246
Chlorine Residual, Free.....	0.78		mg/l	0.01	1	Field	01/19/16 11:40	01/19/16 11:40	_clnt	W6A1025

Lab Sample ID: 6A19064-09 Sample ID: 216 Colorado Blvd Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 08:47

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	lil	W6A1246
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	lil	W6A1246
Chlorine Residual, Free.....	0.79		mg/l	0.01	1	Field	01/19/16 08:47	01/19/16 08:47	_clnt	W6A1025

Lab Sample ID: 6A19064-10 Sample ID: 1135 North Second Ave Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 09:22

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	lil	W6A1246
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	lil	W6A1246
Chlorine Residual, Free.....	0.57		mg/l	0.01	1	Field	01/19/16 09:22	01/19/16 09:22	_clnt	W6A1025



Certificate of Analysis

Lab Sample ID: 6A19064-11 Sample ID: 398 Torrey Pines Drive Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 09:40

Sample Note:

Table with 11 columns: Analyte, Result, Qualifier, Units, RL, Dil, Method, Prepared, Analyzed, Analyst, Batch. Rows include E. coli (Absent), Total Coliform (Absent), and Chlorine Residual, Free (0.42 mg/l).

Lab Sample ID: 6A19064-12 Sample ID: 2240 Highland Oaks Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 10:00

Sample Note:

Table with 11 columns: Analyte, Result, Qualifier, Units, RL, Dil, Method, Prepared, Analyzed, Analyst, Batch. Rows include E. coli (Absent), Total Coliform (Absent), and Chlorine Residual, Free (0.21 mg/l).

Lab Sample ID: 6A19064-13 Sample ID: 2220 Canyon Road Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 10:06

Sample Note:

Table with 11 columns: Analyte, Result, Qualifier, Units, RL, Dil, Method, Prepared, Analyzed, Analyst, Batch. Rows include E. coli (Absent), Total Coliform (Absent), and Chlorine Residual, Free (0.35 mg/l).

Lab Sample ID: 6A19064-14 Sample ID: 250 Hacienda Drive Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 10:47

Sample Note:

Table with 11 columns: Analyte, Result, Qualifier, Units, RL, Dil, Method, Prepared, Analyzed, Analyst, Batch. Rows include E. coli (Absent), Total Coliform (Absent), and Chlorine Residual, Free (0.45 mg/l).

Lab Sample ID: 6A19064-15 Sample ID: 815 Hampton Road Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 11:46

Sample Note:

Table with 11 columns: Analyte, Result, Qualifier, Units, RL, Dil, Method, Prepared, Analyzed, Analyst, Batch. Rows include E. coli (Absent), Total Coliform (Absent), and Chlorine Residual, Free (0.44 mg/l).

Lab Sample ID: 6A19064-16 Sample ID: Campus Drive Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 08:38

Sample Note:

Table with 11 columns: Analyte, Result, Qualifier, Units, RL, Dil, Method, Prepared, Analyzed, Analyst, Batch. Rows include E. coli (Absent), Total Coliform (Absent), and Chlorine Residual, Free (0.70 mg/l).

Lab Sample ID: 6A19064-17 Sample ID: 710 South Santa Anita Ave Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 08:33

Sample Note:

Table with 11 columns: Analyte, Result, Qualifier, Units, RL, Dil, Method, Prepared, Analyzed, Analyst, Batch. Rows include E. coli (Absent), Total Coliform (Absent), and Chlorine Residual, Free (0.71 mg/l).

Lab Sample ID: 6A19064-18 Sample ID: 2nd Ave & Alta Street Matrix: Water

Sampled by: Michael Thai

Sampled: 01/19/16 08:28

Sample Note:

Table with 11 columns: Analyte, Result, Qualifier, Units, RL, Dil, Method, Prepared, Analyzed, Analyst, Batch. Rows include E. coli (Absent) and Total Coliform (Absent).



Certificate of Analysis

Lab Sample ID: 6A19064-18 Sample ID: 2nd Ave & Alta Street Matrix: Water

Sampled by: Michael Thai Sampled: 01/19/16 08:28 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
Chlorine Residual, Free.....	0.78		mg/l	0.01	1	Field	01/19/16 08:28	01/19/16 08:28	_clnt	W6A1025

Lab Sample ID: 6A19064-19 Sample ID: 5 Corto Road Matrix: Water

Sampled by: Michael Thai Sampled: 01/19/16 11:54 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	iii	W6A1246
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	iii	W6A1246
Chlorine Residual, Free.....	0.70		mg/l	0.01	1	Field	01/19/16 11:54	01/19/16 11:54	_clnt	W6A1025

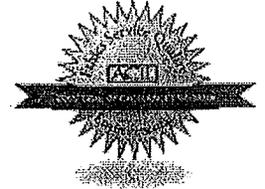
Lab Sample ID: 6A19064-20 Sample ID: 200 Virginia Drive Matrix: Water

Sampled by: Michael Thai Sampled: 01/19/16 09:45 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Present		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	iii	W6A1246
Total Coliform.....	Present		N/A	1.0	1	SM 9223B	01/19/16 15:15	01/20/16 10:25	iii	W6A1246
Chlorine Residual, Free.....	0.54		mg/l	0.01	1	Field	01/19/16 09:45	01/19/16 09:45	_clnt	W6A1025

Case Narrative:

Authorized Signature



Contact: Chris Samatmanakit
(Project Manager)

ELAP # 1132
LACSD # 10143
NELAC #4047-002 ORELAP

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Notes:

The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless otherwise specified.

ND = NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL)
NR = Not Reportable
Sub = Subcontracted analysis, original report enclosed.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services .
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

**Weck Laboratories, Inc. Reports for Repeat Bacteriological and
Triggered Source Samples Collected on January 20, 2016**



Certificate of Analysis

Report Date: 02/03/16 10:33
Received Date: 01/20/16 16:40

Client: City of Arcadia
11800 Goldring Road
Arcadia, CA 91066-6021

Turnaround Time: Normal

Phone: (626) 256-6592

Attn: Michael Thai

Fax: (626) 359-7028

Project: Resample

P.O.#:

Dear Michael Thai:

Enclosed are the results of analyses for samples received 1/20/2016 with the Chain of Custody document. The samples were received in good condition, at 16.3 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

*Repeats
Source*

Lab Sample ID: 6A20065-01 Sample ID: 200 Virginia Drive Matrix: Water
Sampled by: Michael Thai/ Carlos C. Sampled: 01/20/16 14:00

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	lii	W6A1246
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	lii	W6A1246
Chlorine Residual, Free.....	0.64		mg/l	0.01	1	Field	01/20/16 14:00	01/20/16 14:00	_clnt	W6B0212

Lab Sample ID: 6A20065-02 Sample ID: 10 Virginia Drive Matrix: Water
Sampled by: Michael Thai/ Carlos C. Sampled: 01/20/16 14:19

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	lii	W6A1246
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	lii	W6A1246
Chlorine Residual, Free.....	0.54		mg/l	0.01	1	Field	01/20/16 14:19	01/20/16 14:19	_clnt	W6B0212

Lab Sample ID: 6A20065-03 Sample ID: 73 Virginia Drive Matrix: Water
Sampled by: Michael Thai/ Carlos C. Sampled: 01/20/16 14:05

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	lii	W6A1246
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	lii	W6A1246
Chlorine Residual, Free.....	0.63		mg/l	0.01	1	Field	01/20/16 14:05	01/20/16 14:05	_clnt	W6B0212

Lab Sample ID: 6A20065-04 Sample ID: Peck Well Matrix: Water
Sampled by: Michael Thai/ Carlos C. Sampled: 01/20/16 15:48

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	lii	W6A1246
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	lii	W6A1246

Lab Sample ID: 6A20065-05 Sample ID: Liveoak Well Matrix: Water
Sampled by: Michael Thai/ Carlos C. Sampled: 01/20/16 15:38

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	lii	W6A1246
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	lii	W6A1246

Lab Sample ID: 6A20065-06 Sample ID: Longley Well 3 Matrix: Water
Sampled by: Michael Thai/ Carlos C. Sampled: 01/20/16 15:06

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	lii	W6A1246



Certificate of Analysis

Lab Sample ID: 6A20065-06 Sample ID: Longley Well 3 Matrix: Water

Sampled by: Michael Thai/ Carlos C.

Sampled: 01/20/16 15:06

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	iii	W6A1246

Lab Sample ID: 6A20065-07 Sample ID: Camino Real Well 3 Matrix: Water

Sampled by: Michael Thai/ Carlos C.

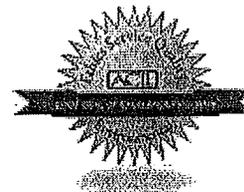
Sampled: 01/20/16 14:50

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coll.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	iii	W6A1246
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	01/20/16 17:32	01/21/16 12:02	iii	W6A1246

Case Narrative:

Authorized Signature



Contact: Chris Samatmanakit
(Project Manager)

ELAP # 1132
LACSD # 10143
NELAC #4047-002 ORELAP

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Notes:

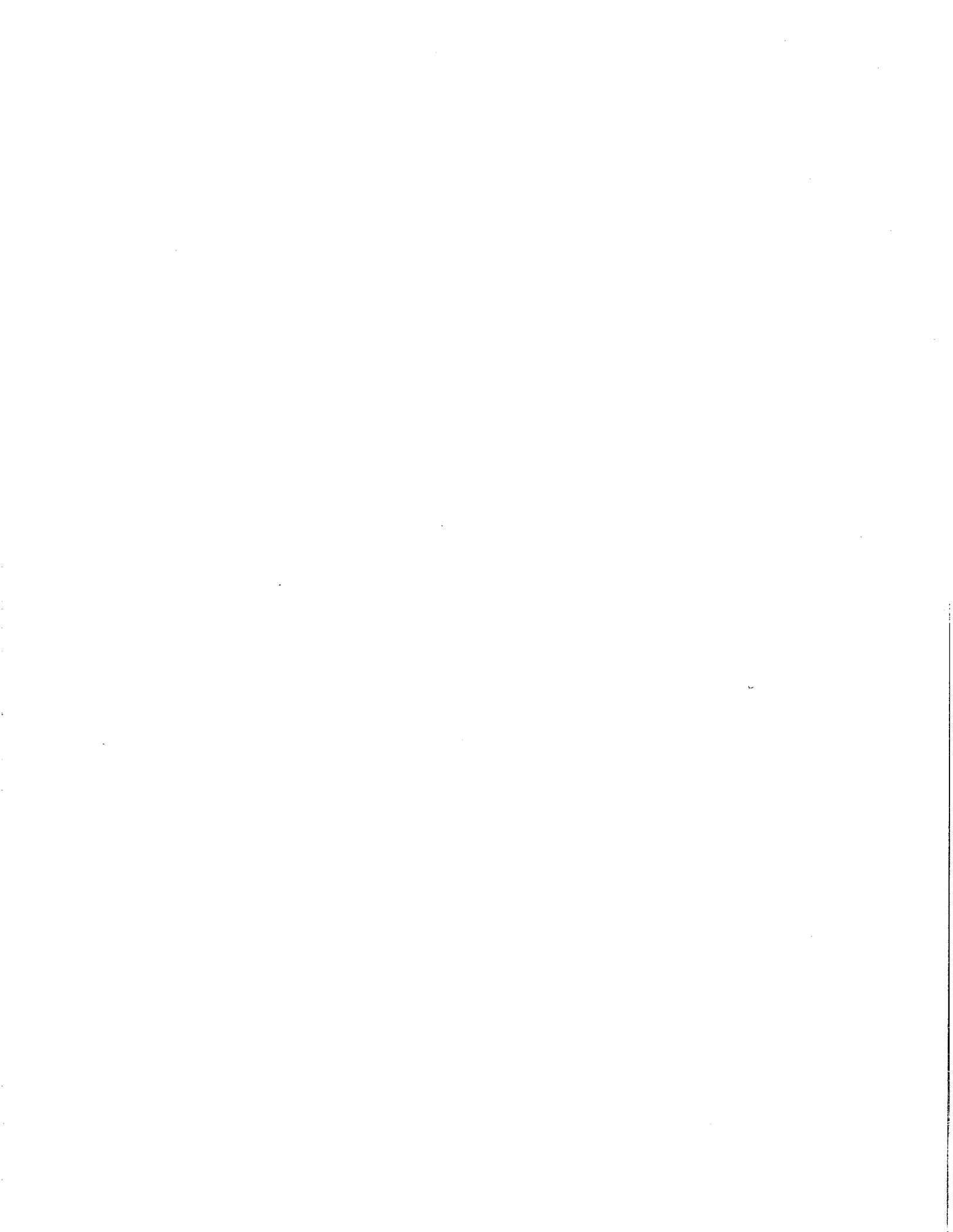
The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless otherwise specified.

ND = NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL)
NR = Not Reportable
Sub = Subcontracted analysis, original report enclosed.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services .
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

**Chain of Custody Reports for Routine Bacteriological Samples
Collected on February 16, 2016**





Weck Laboratories, Inc.
Analytical Laboratory Services - Since 1964

14859 East Clark Avenue : Industry : CA 91745
Tel 626-336-2139 ♦ Fax 626-336-2634 ♦ www.wecklabs.com

CLIENT NAME:

681077

PROJECT: Distribution

CITY OF ARCADIA
ADDRESS:
11800 GOLDRING ROAD
ARCADIA, CA 91006

PWS ID: 1910003
CITY OF ARCADIA
PWS Name:
PHONE: 626-256-6592
FAX: 626-359-7028
EMAIL: mthai@ci.arcadia.ca.us

PROJECT MANAGER

SAMPLER

MICHAEL THAI

LAB ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE POINT I.D. / NAME	Bottle #
	2-16-16	8:20		11800 GOLDRING ROAD	1
		12:49		2401 EL MONTE AVE	2
		12:43		491 WEST LONGDEN AVE	3
		8:40		1230 SOUTH 10TH AVE	4
		12:56		67 EAST ARTHUR AVE	5
		9:07		240 WEST HUNTINGTON DR	6
		12:34		1001 SOUTH GOLDENWEST AVE	7
		12:15		401 NORTH BALDWIN AVE	8
		9:26		216 COLORADO BLVD	9
		10:05		1135 NORTH SECOND AVE	10
		10:23		398 TORREY PINES DRIVE	11
		10:40		2240 HIGHLAND OAKS	12

RELINQUISHED BY *[Signature]* DATE / TIME 2/16/16 1:30pm RECEIVED BY *Hector Sanchez*

RELINQUISHED BY *[Signature]* DATE / TIME 2/16/16 14:15 RECEIVED BY *[Signature]*

RELINQUISHED BY *[Signature]* DATE / TIME 2/16/16 RECEIVED BY

PRESCHEDULED RUSH ANALYSES WILL TAKE PRIORITY
OVER UNSCHEDULED RUSH REQUESTS
Client agrees to Terms & Conditions at: www.wecklabs.com

SPECIAL REQUIREMENTS / BILLING INFORMATION

eck box if EDT is required

CHAIN OF CUSTODY RECORD

DRINKING WATER

Page 1 Of 2

ANALYSES REQUESTED

Chlorine Residual (FIELD) mg/L	X
Coliform P/A	X
General Physical	X
Temperature	X

PH (FIELD)

7.58
7.97
7.67
7.61
7.95

COMMENTS

Charges will apply for weekends/holidays
Method of Shipment:
COMMENTS

SPECIAL HANDLING

- Same Day Rush 150%
- 24 Hour Rush 100%
- 48-72 Hour Rush 75%
- 4 - 5 Day Rush 30%
- Rush Extractions 50%
- 10 - 15 Business Days
- QA/QC Data Package

SAMPLE TYPE CODE:

- DW - Drinking Water
- SW - Surface Water
- RW - Raw Water
- GW - Groundwater
- URW - Recreational Water
- TW - Treated Water

SAMPLE CONDITION:

- Actual Temperature: 9.1°C
- Received On Ice
- Preserved
- Evidence Seals Present
- Container Attached
- Preserved at Lab



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 Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

DRINKING WATER

COB10077

COB10077-35
 2/16/16

PROJECT: Distribution

CITY OF ARCADIA
 ADDRESS:
 11800 GOLDRING ROAD
 ARCADIA, CA 91006

PWS ID: 1910003
 PWS Name: CITY OF ARCADIA
 PHONE: 626-256-6592
 FAX: 626-359-7028
 EMAIL: mthai@ci.arcadia.ca.us

PROJECT MANAGER

SAMPLER
 MICHAEL THAI

LAB ID# (For Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE POINT I.D. / NAME	Bottle #
	2/16/16	10:46		2220 CANYON ROAD	13
		12:08		250 HACIENDA DRIVE	14
		12:18		815 HAMPTON ROAD	15
		9:03		CAMPUS DRIVE	16
		8:58		710 SOUTH SANTA ANITA AVE	17
		8:53		2ND AVE & ALTA STREET	18
		12:26		5 CORTO ROAD	19
		10:32		200 VIRGINIA DRIVE	20

ANALYSES REQUESTED

COLIFORM PA	CHLORINE RESIDUAL (FIELD) mg/L	GENERAL PHYSICAL	TEMPERATURE (F)	PH (FIELD)
X	.41			
X	.60			
X	.59			
X	.66			
X	.62			
X	.79			
X	.28			
X	.66			

SPECIAL HANDLING

- Same Day Rush 150%
- 24 Hour Rush 100%
- 48-72 Hour Rush 75%
- 4 - 5 Day Rush 30%
- Rush Extractions 50%
- 10 - 15 Business Days
- QA/QC Data Package

Charges will apply for weekends/holidays
 Method of Shipment:
 COMMENTS

RELINQUISHED BY	DATE / TIME	RECEIVED BY	DATE / TIME	SAMPLE TYPE CODE:
<i>McL...</i>	2/16/16 1:30pm	Hector Sanchez	2/16/16 1:30pm	DW - Drinking Water SW - Surface Water RW - Raw Water GW - Groundwater RW - Recreational Water TW - Treated Water
Hector Sanchez	2/16/16 14:15	Jamshan Zilobhe 1415	2/16/16 14:15	

SAMPLE CONDITION:
 Actual Temperature: 9.1°C
 Received On Ice
 Preserved
 Evidence Seals Present
 Container Attached
 Preserved at Lab

PRESCHEDULED RUSH ANALYSES WILL TAKE PRIORITY
 OVER UNSCHEDULED RUSH REQUESTS
 Client agrees to Terms & Conditions at: www.wecklabs.com

SPECIAL REQUIREMENTS / BILLING INFORMATION check box if EDT is required

**Monthly Summary of Distribution System Coliform Monitoring
And Coliform Monitoring Worksheet Reports for January 2016**



MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING
(including triggered source monitoring for systems subject to the Groundwater Rule)

System Name <p align="center">CITY OF ARCADIA</p>	System Number <p align="center">1910003</p>
Sampling Period <p align="center">JANUARY</p>	Year <p align="center">2016</p>

	Number Required	Number Collected	Number Total Coliform Positives	Number Fecal/ E.coli Positives
1. Routine Samples (see note 1)	<u>80</u>	<u>80</u>	<u>1</u>	<u>1</u>
2. Repeat Samples following Samples that are Total Coliform Positive and Fecal/E.coli <i>Negative</i> (see notes 5 and 6)		<u>3</u>	<u>0</u>	0
3. Repeat Samples following Routine Samples that are Total Coliform <i>Positive</i> and Fecal/E.coli Positive (see notes 5 and 6)		<u>0</u>	0	0
4. MCL Computation for Total Coliform Positive Samples				
a. Totals (sum of columns)		<u>83</u>	<u>1</u>	
b. If 40 or more samples collected in month, determine percent of samples that are total coliform positive [(total number positive/total number collected) x 100] =	<u>1.2</u>	%		
c. Is system in compliance... with fecal/E. coli MCL? (see notes 2 and 3)	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No	
...with monthly MCL? (see note 4)	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No	
5. Source Samples Triggered by Routine Samples that are Total Coliform Positive (This applies only to systems subject to the Groundwater Rule - see notes 7 and 8)		<u>4</u>	<u>0</u>	0
6. Invalidated Samples (Note what samples, if any, were invalidated; who authorized the invalidation; and when replacement samples were collected. Attach additional sheets, if necessary.)				
7. Summary Completed By: Michael Thai				

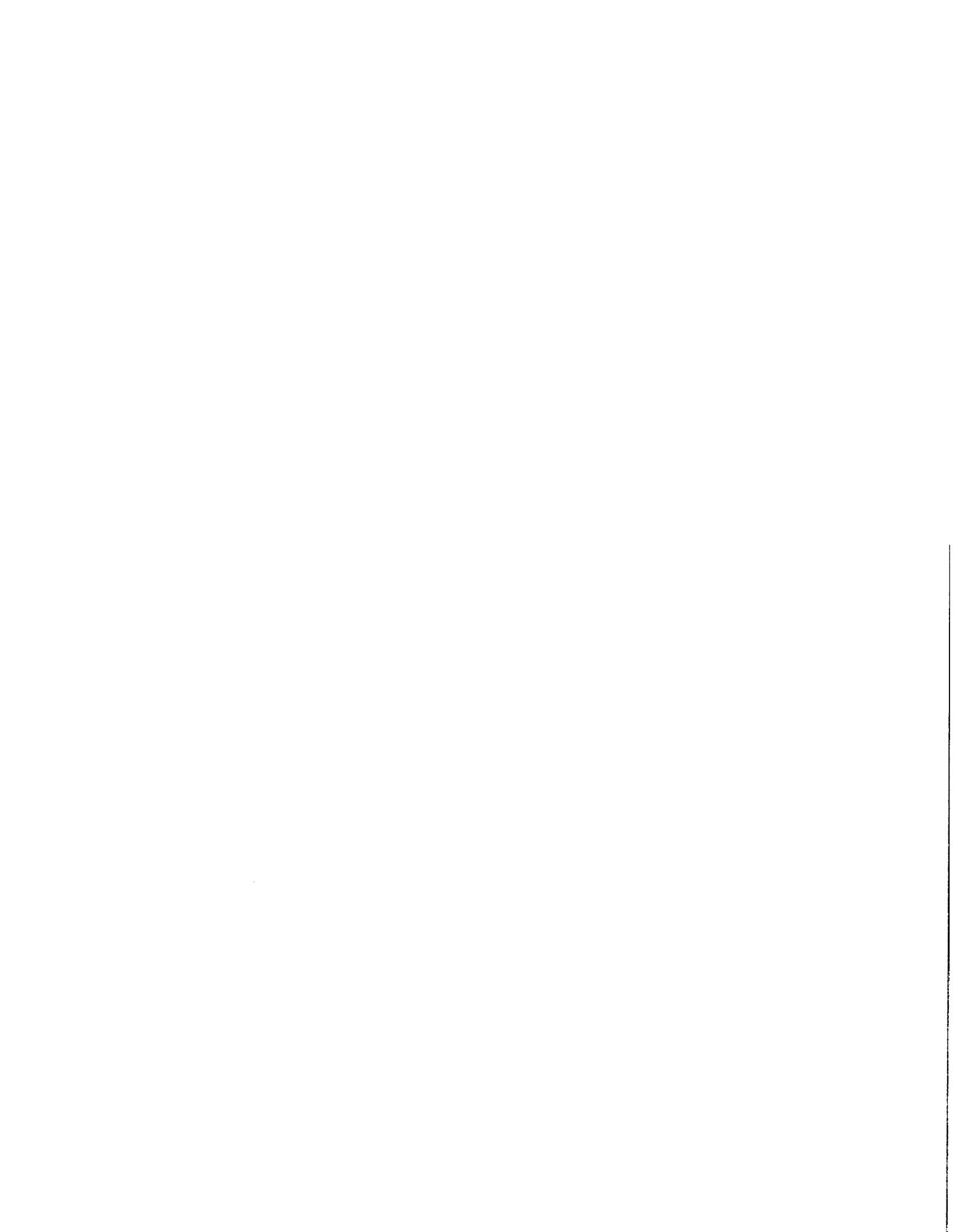
FEB 10 2016

Signature 	Title <p align="center">Water Quality/Backflow Inspector</p>	Date <p align="center">2/4/2016</p>
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NOTES AND INSTRUCTIONS:

1. Routine samples include:
 - a. Samples required pursuant to 22 CCR Section 64423 and any additional samples required by an approved routine sample siting plan established pursuant to 22 CCR Section 64422.
 - b. Extra samples are required for systems collecting less than five routine samples per month that had one or more total coliform positives in previous month;
 - c. Extra samples for systems with high source water turbidities that are using surface water or groundwater under direct influence of surface water and do not practice filtration in compliance with regulations;
2. Note: For a repeat sample following a total coliform positive sample, any fecal/E.coli positive repeat (boxed entry) constitutes an MCL violation and requires immediate notification to the Department (22, CCR, Section 64426.1).
3. Note: For repeat sample following a fecal/E.coli positive sample, any total coliform positive repeat (boxed entry) constitutes an MCL violation and requires immediate notification to the Department (22, CCR, Section 64426.1).
4. Total coliform MCL (Notify Department within 24 hours of MCL violation):
 - a. For systems collecting less than 40 samples, if two or more samples are total coliform positive, then the MCL is violated.
 - b. For systems collecting 40 or more samples, if more than 5.0 percent of samples collected are total coliform positive, then the MCL is violated.
5. Positive results and their associated repeat samples are to be tracked on the Coliform Monitoring Worksheet.
6. Repeat samples must be collected within 24 hours of being notified of the positive results. For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. For systems collecting one or fewer routine samples per month, four repeat samples must be collected for each total coliform positive sample.
7. For systems subject to the Groundwater Rule: Positive results and the associated triggered source samples are to be tracked on the Coliform Monitoring Worksheet.
8. For triggered sample(s) required as a result of a total coliform routine positive sample, an *E.coli*, enterococci, or coliphage positive triggered sample (boxed entry) requires immediate notification to the Department, Tier 1 public notification, and corrective action.

K



COLIFORM MONITORING WORKSHEET

(COMPLETED FOR POSITIVE ROUTINE SAMPLES, ALL REPEAT SAMPLES, AND ALL TRIGGERED SOURCE SAMPLES)

Report Month JANUARY Year 2016

Routine Samples ⁹			Repeat Samples ⁶				Triggered Source Samples ⁸					
TC+ Sample Date	TC+ Sample Site ID	¹² EC/FC Results	Repeat Collection Date	Repeat Sample Site ¹⁰	IDs	Coliform Results (Check one box)			Source Sample Date	Groundwater Source(s) Sampled	¹² TC Results	^{11,12} E. coli Results
						TC-	TC+BUT FC/EC-	TC+AND FC/EC+				
January 19, 2016	SAMPLE STATION #20 200 VIRGINIA DRIVE	Positive	1/20/2016	200 Virginia Dr.		x			1/20/2016	Peck Well	Neg.	Neg.
			1/20/2016	10 Virginia Dr.		x			1/20/2016	Liveoak Well	Neg.	Neg.
			1/20/2016	73 Virginia Dr.		x			1/20/2016	Longley Well 3	Neg.	Neg.
				4					1/20/2016	Camino Well 3	Neg.	Neg.
				5							(+ / -)	(+ / -)
				6							(+ / -)	(+ / -)
				7							(+ / -)	(+ / -)
				8							(+ / -)	(+ / -)
		(+ / -)								(+ / -)	(+ / -)	
		(+ / -)								(+ / -)	(+ / -)	
		(+ / -)								(+ / -)	(+ / -)	
		(+ / -)								(+ / -)	(+ / -)	
		(+ / -)								(+ / -)	(+ / -)	
		(+ / -)								(+ / -)	(+ / -)	
		(+ / -)								(+ / -)	(+ / -)	
		(+ / -)								(+ / -)	(+ / -)	
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		(+ / -)								(+ / -)	(+ / -)	
		(+ / -)								(+ / -)	(+ / -)	
		(+ / -)								(+ / -)	(+ / -)	
		(+ / -)								(+ / -)	(+ / -)	

Comments: Longden Well 1, Longden Well 2, Orange Grove Well 1A, Orange Grove Well 2, Orange Grove Well 5, and Orange Grove Well 6 did not run since it last sampling date results were total coliform negative.

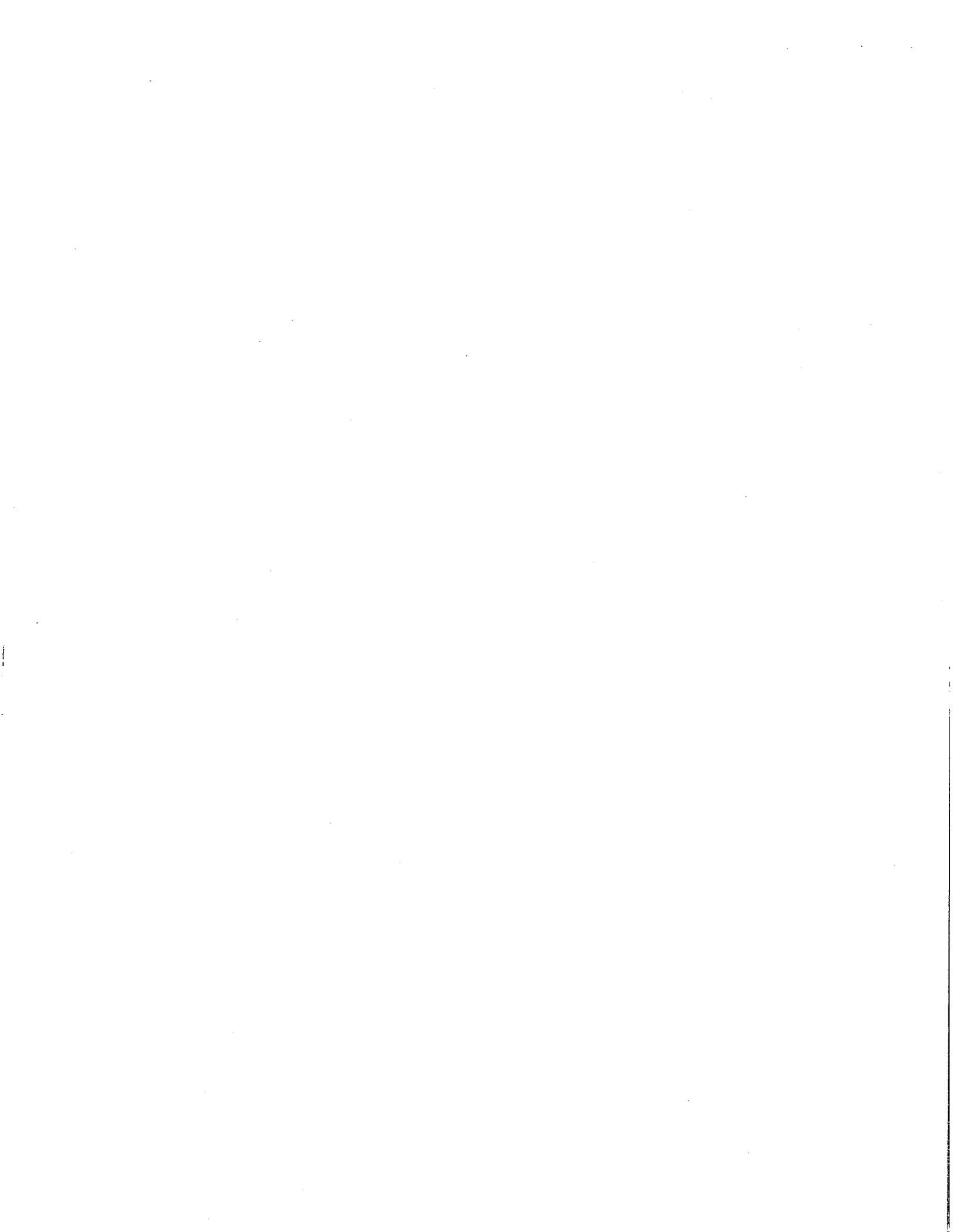
FEB 10 2016

- NOTES AND INSTRUCTIONS:**
6. Repeat samples must be collected within 24 hours of being notified of the positive results. For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. For systems collecting one or fewer routine samples per month, four repeat samples must be collected for each total coliform positive sample.
 8. For triggered sample(s) required as a result of a total coliform routine positive sample, an *E.coli*, enterococci, or coliphage positive triggered sample (boxed entry) requires immediate notification to the Department, Tier 1 public notification, and corrective action.
 9. Also include any data for positive samples that occurred in the previous month that led to repeat monitoring occurring in the reporting month. Include location and indicate if the routine sample was either positive or negative for *E.coli* or Fecal Coliforms.
 10. For systems serving ≤ 1000 persons that collect one or fewer routine samples per month, a triggered source water sample may be used as the fourth repeat, as noted in an approved plan, if *E. coli* was the indicator used. Show result in GW source column too.
 11. The Department recommends using *E. coli* (see note 8). If enterococci or coliphage is used, note which in the comment box below.
 12. Circle the appropriate result.

Abbreviations: TC = Total Coliform, FC = Fecal Coliform, EC = *E. coli*



The Division's Email of February 16, 2016



Oracion, Ofelia@Waterboards

From: Ghukasyan, Naira@Waterboards
Sent: Thursday, February 25, 2016 3:24 PM
To: Oracion, Ofelia@Waterboards
Subject: FW: January monthly report for Arcadia
Attachments: City of Arcadia BacT 1-5-16.pdf; City of Arcadia BacT 1-11-16.pdf; City of Arcadia BacT 1-12-16 (Wells & Reservoirs).pdf; City of Arcadia BacT 1-19-16.pdf; City of Arcadia BacT 1-20-16(Resample).pdf; City of Arcadia BacT 1-26-16.pdf

FYI

From: Michael Thai [<mailto:mthai@arcadiaca.gov>]
Sent: Tuesday, February 16, 2016 4:16 PM
To: Ghukasyan, Naira@Waterboards
Subject: RE: January monthly report for Arcadia

Hi Ms. Ghukasyan,

Attached is the City of Arcadia January/2016 Bac-T sampling reports.

Thank you,
Michael Thai
City of Arcadia, Water Department

From: Ghukasyan, Naira@Waterboards [<mailto:Naira.Ghukasyan@waterboards.ca.gov>]
Sent: Tuesday, February 16, 2016 2:16 PM
To: Michael Thai
Subject: January monthly report for Arcadia
Importance: High

Hi Michael,

We have received January monthly water quality report from Arcadia on February 10th. According to the TCR form, the city had a coliform and E.coli positive sample on January 19th, 2016 with negative repeat samples.

However, the Lab reports, that have been included in the package, contain only results for two weeks of January (1/05/16 and 1/11/2016).

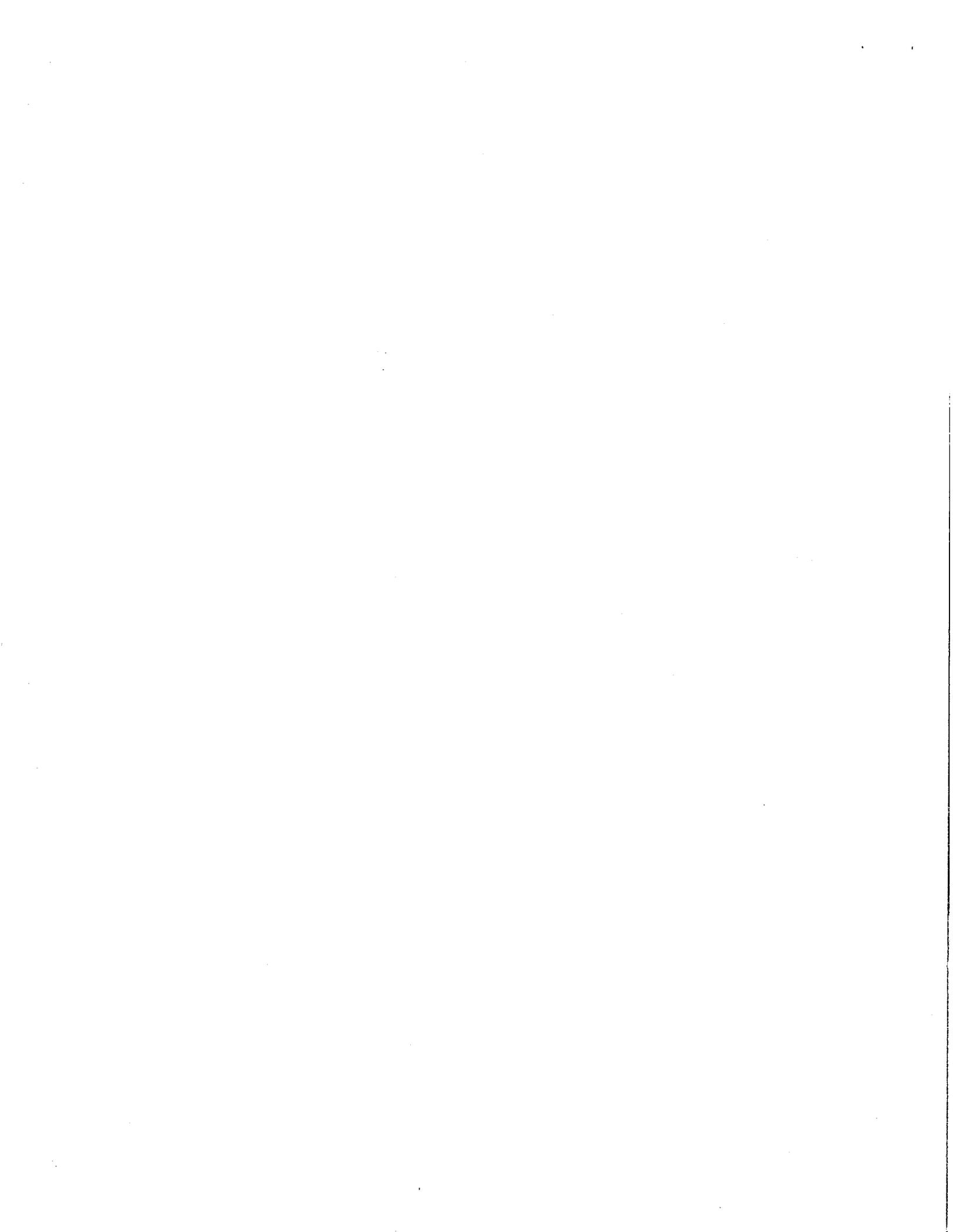
Please, send us all missing Lab reports for routine and repeat samples ASAP.

Have anyone tried to notify us about this E.coli positive sample?
Thank you,

Naira Ghukasyan
Environmental Scientist
State Water Resources Control Board | Division of Drinking Water
500 N. Central Avenue, Suite 500, Glendale, CA 91203
Phone (818) 551-2021 | Fax (818) 551-2054
Email: Naira.Ghukasyan@waterboards.ca.gov



**Weck Laboratories, Inc. Reports for Routine Bacteriological Samples
Collected on February 16, 2016**





Certificate of Analysis

Report Date: 02/24/16 11:25
Received Date: 02/16/16 14:15

Client: City of Arcadia
11800 Goldring Road
Arcadia, CA 91066-6021

Turnaround Time: Normal

Attn: Michael Thai

Phone: (626) 256-6592

Project: Distribution 1910003

Fax: (626) 359-7028

P.O.#:

Dear Michael Thai :

Enclosed are the results of analyses for samples received 2/16/2016 with the Chain of Custody document. The samples were received in good condition, at 9.1 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 6B16077-01 Sample ID: 11800 Goldring Road Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 08:20 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Chlorine Residual, Free.....	0.53		mg/l	0.01	1	Field	02/16/16 08:20	02/16/16 08:20	_clnt	W6B0973

Lab Sample ID: 6B16077-02 Sample ID: 2401 El Monte Ave Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 12:49 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Chlorine Residual, Free.....	1.01		mg/l	0.01	1	Field	02/16/16 12:49	02/16/16 12:49	_clnt	W6B0973

Lab Sample ID: 6B16077-03 Sample ID: 491 West Longden Ave Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 12:43 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Chlorine Residual, Free.....	0.76		mg/l	0.01	1	Field	02/16/16 12:43	02/16/16 12:43	_clnt	W6B0973

Lab Sample ID: 6B16077-04 Sample ID: 1230 South 10th Ave Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 08:40 Sample Note:

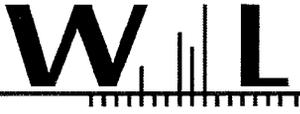
Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Chlorine Residual, Free.....	0.57		mg/l	0.01	1	Field	02/16/16 08:40	02/16/16 08:40	_clnt	W6B0973

Lab Sample ID: 6B16077-05 Sample ID: 67 East Arthur Ave Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 12:56 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Chlorine Residual, Free.....	0.99		mg/l	0.01	1	Field	02/16/16 12:56	02/16/16 12:56	_clnt	W6B0973

Lab Sample ID: 6B16077-06 Sample ID: 240 West Huntington Dr Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 09:07 Sample Note:

Lab#: 6B16077-20



Certificate of Analysis

Lab Sample ID: 6B16077-06 Sample ID: 240 West Huntington Dr Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 09:07 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Total Coliform.....	Present		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Chlorine Residual, Free.....	0.68		mg/l	0.01	1	Field	02/16/16 09:07	02/16/16 09:07	_clnt	W6B0973

Lab Sample ID: 6B16077-07 Sample ID: 1001 South Goldenwest Ave Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 12:34 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Chlorine Residual, Free.....	0.60		mg/l	0.01	1	Field	02/16/16 12:34	02/16/16 12:34	_clnt	W6B0973

Lab Sample ID: 6B16077-08 Sample ID: 401 North Baldwin Ave Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 12:15 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Chlorine Residual, Free.....	0.67		mg/l	0.01	1	Field	02/16/16 12:15	02/16/16 12:15	_clnt	W6B0973

Lab Sample ID: 6B16077-09 Sample ID: 216 Colorado Blvd Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 09:26 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Chlorine Residual, Free.....	0.34		mg/l	0.01	1	Field	02/16/16 09:26	02/16/16 09:26	_clnt	W6B0973

Lab Sample ID: 6B16077-10 Sample ID: 1135 North Second Ave Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 10:05 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Chlorine Residual, Free.....	0.58		mg/l	0.01	1	Field	02/16/16 10:05	02/16/16 10:05	_clnt	W6B0973

Lab Sample ID: 6B16077-11 Sample ID: 398 Torrey Pines Drive Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 10:23 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Chlorine Residual, Free.....	0.55		mg/l	0.01	1	Field	02/16/16 10:23	02/16/16 10:23	_clnt	W6B0973

Lab Sample ID: 6B16077-12 Sample ID: 2240 Highland Oaks Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 10:40 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Chlorine Residual, Free.....	0.46		mg/l	0.01	1	Field	02/16/16 10:40	02/16/16 10:40	_clnt	W6B0973

Lab Sample ID: 6B16077-13 Sample ID: 2220 Canyon Road Matrix: Water
 Sampled by: Michael Thai Sampled: 02/16/16 10:46 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lii	W6B1427



Certificate of Analysis

Lab Sample ID: 6B16077-13 Sample ID: 2220 Canyon Road Matrix: Water

Sampled by: Michael Thai

Sampled: 02/16/16 10:46

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
Chlorine Residual, Free.....	0.41		mg/l	0.01	1	Field	02/16/16 10:46	02/16/16 10:46	_clnt	W6B0973

Lab Sample ID: 6B16077-14 Sample ID: 250 Hacienda Drive Matrix: Water

Sampled by: Michael Thai

Sampled: 02/16/16 12:08

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Chlorine Residual, Free.....	0.60		mg/l	0.01	1	Field	02/16/16 12:08	02/16/16 12:08	_clnt	W6B0973

Lab Sample ID: 6B16077-15 Sample ID: 815 Hampton Road Matrix: Water

Sampled by: Michael Thai

Sampled: 02/16/16 12:18

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Chlorine Residual, Free.....	0.59		mg/l	0.01	1	Field	02/16/16 12:18	02/16/16 12:18	_clnt	W6B0973

Lab Sample ID: 6B16077-16 Sample ID: Campus Drive Matrix: Water

Sampled by: Michael Thai

Sampled: 02/16/16 09:03

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Chlorine Residual, Free.....	0.66		mg/l	0.01	1	Field	02/16/16 09:03	02/16/16 09:03	_clnt	W6B0973

Lab Sample ID: 6B16077-17 Sample ID: 710 South Santa Anita Ave Matrix: Water

Sampled by: Michael Thai

Sampled: 02/16/16 08:58

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Total Coliform.....	Present		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Chlorine Residual, Free.....	0.62		mg/l	0.01	1	Field	02/16/16 08:58	02/16/16 08:58	_clnt	W6B0973

Lab Sample ID: 6B16077-18 Sample ID: 2nd Ave & Alta Street Matrix: Water

Sampled by: Michael Thai

Sampled: 02/16/16 08:53

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Chlorine Residual, Free.....	0.79		mg/l	0.01	1	Field	02/16/16 08:53	02/16/16 08:53	_clnt	W6B0973

Lab Sample ID: 6B16077-19 Sample ID: 5 Corto Road Matrix: Water

Sampled by: Michael Thai

Sampled: 02/16/16 12:26

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Chlorine Residual, Free.....	0.28		mg/l	0.01	1	Field	02/16/16 12:26	02/16/16 12:26	_clnt	W6B0973

Lab Sample ID: 6B16077-20 Sample ID: 200 Virginia Drive Matrix: Water

Sampled by: Michael Thai

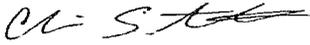
Sampled: 02/16/16 10:32

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/16/16 16:40	02/17/16 11:07	lil	W6B1427
Chlorine Residual, Free.....	0.66		mg/l	0.01	1	Field	02/16/16 10:32	02/16/16 10:32	_clnt	W6B0973

Certificate of Analysis

Case Narrative:



Authorized Signature



Contact: Chris Samatmanakit
(Project Manager)

ELAP # 1132

LACSD # 10143

NELAC #4047-002 ORELAP

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Notes:

The Chain of Custody document is part of the analytical report.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

ND = NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL)

NR = Not Reportable

Sub = Subcontracted analysis, original report enclosed.

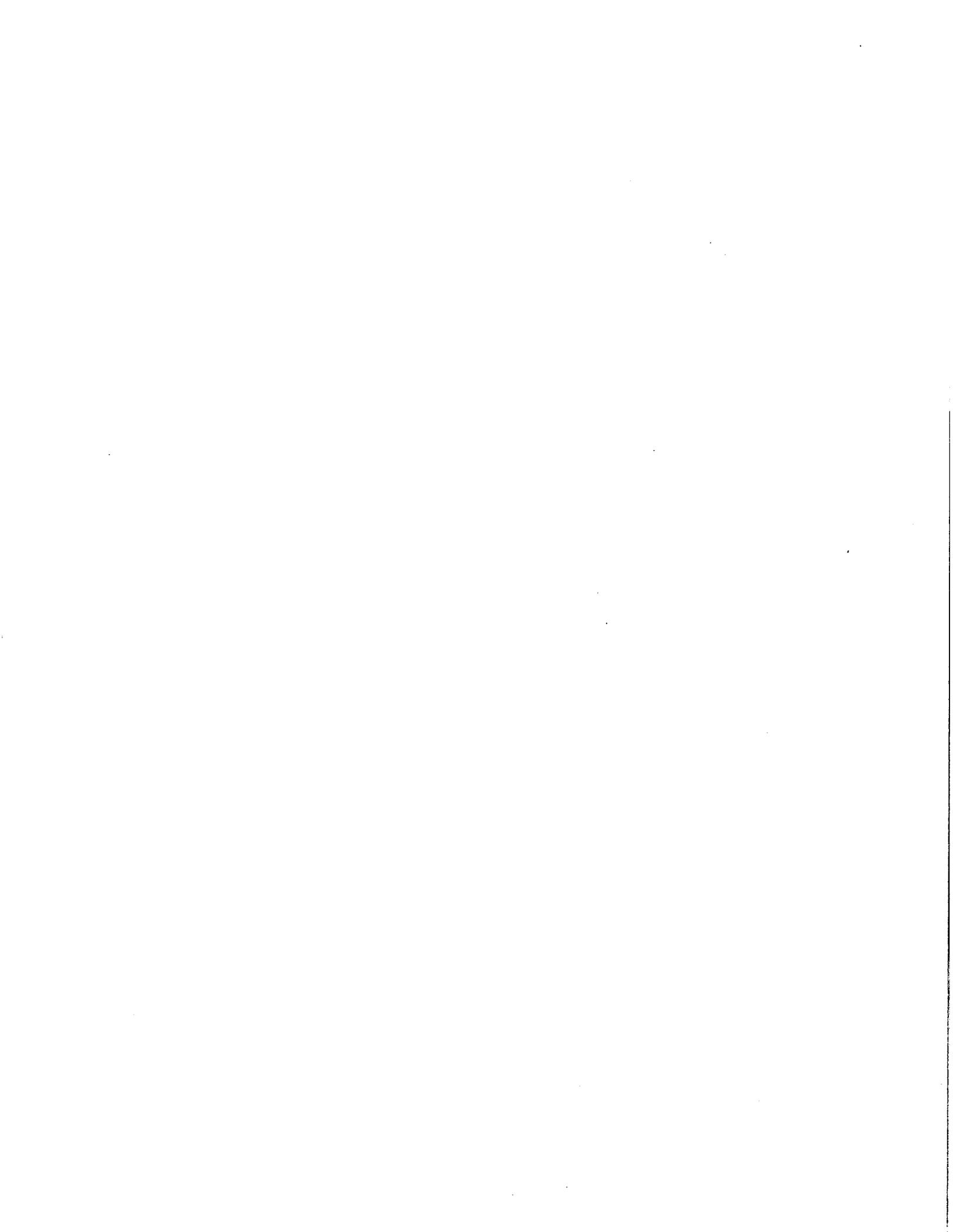
An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services .

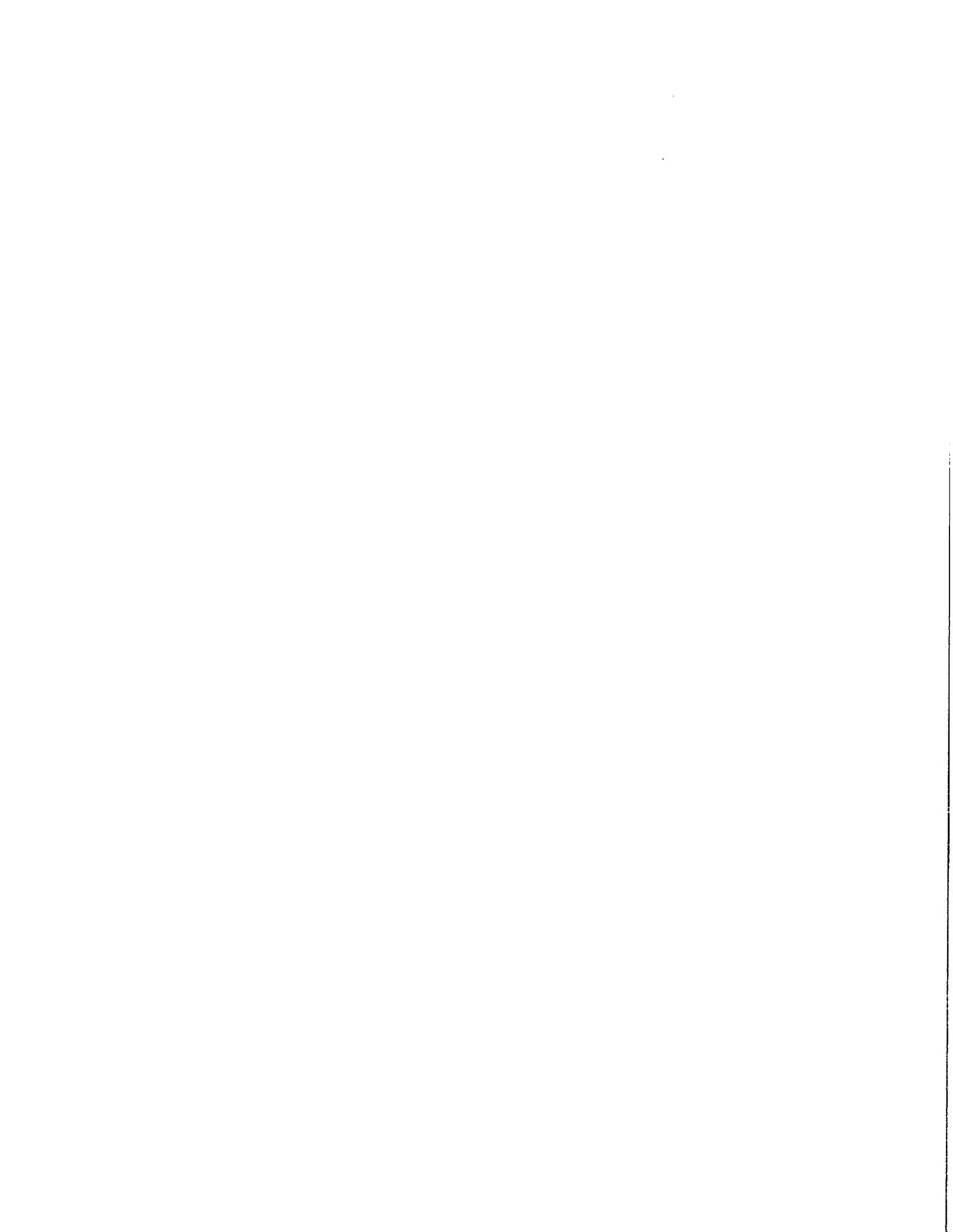
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).

For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

**Chain of Custody Reports for Repeat and Triggered Source Samples
Collected on February 17, 2016**







Weck Laboratories, Inc.
Analytical Laboratory Services - Since 1964

14859 East Clark Avenue : Industry : CA 91745
Tel 626-336-2139 ♦ Fax 626-336-2634 ♦ www.wecklabs.com

CHAIN OF CUSTODY RECORD

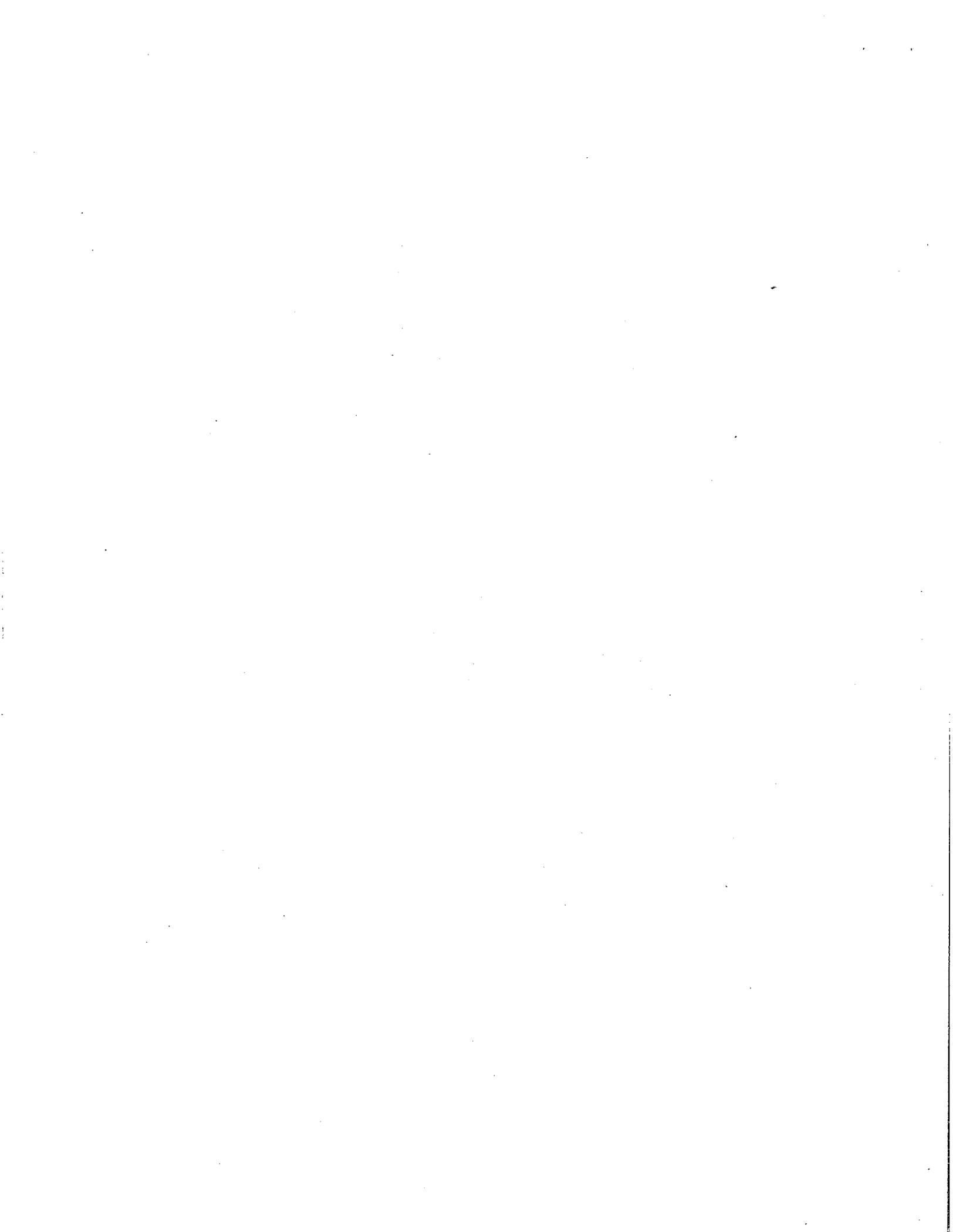
DRINKING WATER

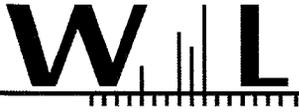
Page 1 Of 1

CLIENT NAME:		PROJECT:		RESAMPLE		ANALYSES REQUESTED		SPECIAL HANDLING	
CITY OF ARCADIA		PWS ID:		PWS Name:		Same Day Rush 150%		24 Hour Rush 100%	
ADDRESS:		PHONE:		FAX:		48-72 Hour Rush 75%		4 - 5 Day Rush 30%	
11800 GOLDRING ROAD		EMAIL:		SAMPLER		Rush Extractions 50%		10 - 15 Business Days	
ARCADIA, CA 91006		MICHAEL THAI		SAMPLE POINT ID. / NAME		QA/QC Data Package		Charges will apply for weekends/holidays	
PROJECT MANAGER		# OF CONT.		DATE SAMPLED		TIME SAMPLED		SMPL TYPE	
LAB ID# (For Lab Use Only)		DATE SAMPLED		TIME SAMPLED		SMPL TYPE		BC 1	
02/17/16		4:12		PECK WELL		2		X	
		3:38		LONGLEY WELL 3		2		X	
		3:08		CAMINO REAL WELL 3		2		X	
		3:59		LIVE OAK WELL		2		X	
		---		LONGDEN WELL 1		2		X	
		---		LONGDEN WELL 2		2		X	
		2:33		ORANGE GROVE WELL 1A		2		X	
		2:30		ORANGE GROVE WELL 2A		2		X	
		2:25		ORANGE GROVE WELL 5		2		X	
		2:28		ORANGE GROVE WELL 6		2		X	
		2:51		ST JOSEPH WELL 2		2		X	
RELINQUISHED BY		DATE / TIME		RECEIVED BY		SAMPLE CONDITION:		SAMPLE TYPE CODE:	
<i>[Signature]</i>		2/17/16 4:20PM				Actual Temperature: 16.1°C		DW - Drinking Water SW - Surface Water RW - Raw Water GRW - Groundwater NRW - Recreational Water YRW - Treated Water	
RELINQUISHED BY		DATE / TIME		RECEIVED BY		Received On Ice Preserved		Evidence Seals Present	
<i>[Signature]</i>		2/17/16 10:57		Jandama		Container Attacked		Preserved at Lab	
RELINQUISHED BY		DATE / TIME		RECEIVED BY		SPECIAL REQUIREMENTS / BILLING INFORMATION		check box if EDT is required	



**Weck Laboratories, Inc. Reports for Repeat Bacteriological and
Triggered Source Samples Collected on February 17, 2016**





Certificate of Analysis

Report Date: 02/24/16 11:27
Received Date: 02/17/16 16:57

Client: City of Arcadia
11800 Goldring Road
Arcadia, CA 91066-6021

Turnaround Time: Normal

Attn: Michael Thai

Phone: (626) 256-6592

Fax: (626) 359-7028

Project: Resample

P.O.#:

Dear Michael Thai :

Enclosed are the results of analyses for samples received 2/17/2016 with the Chain of Custody document. The samples were received in good condition, at 16.1 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 6B17105-01 Sample ID: 240 W. Huntington Dr. (6) Matrix: Water

Sampled by: Michael Thai/ Carlos C. Sampled: 02/17/16 14:06 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427
Chlorine Residual, Free.....	0.60		mg/l	0.01	1	Field	02/17/16 14:06	02/17/16 14:06	_clnt	W6B1060

Lab Sample ID: 6B17105-02 Sample ID: 240 W. Huntington Dr. (6A) Matrix: Water

Sampled by: Michael Thai/ Carlos C. Sampled: 02/17/16 14:14 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427
Chlorine Residual, Free.....	0.32		mg/l	0.01	1	Field	02/17/16 14:14	02/17/16 14:14	_clnt	W6B1060

Lab Sample ID: 6B17105-03 Sample ID: 388 W. Huntington Dr. (6B) Matrix: Water

Sampled by: Michael Thai/ Carlos C. Sampled: 02/17/16 14:02 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427
Chlorine Residual, Free.....	0.47		mg/l	0.01	1	Field	02/17/16 14:02	02/17/16 14:02	_clnt	W6B1060

Lab Sample ID: 6B17105-04 Sample ID: 710 S. Santa Anita Ave. (17) Matrix: Water

Sampled by: Michael Thai/ Carlos C. Sampled: 02/17/16 13:40 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427
Chlorine Residual, Free.....	0.55		mg/l	0.01	1	Field	02/17/16 13:40	02/17/16 13:40	_clnt	W6B1060

Lab Sample ID: 6B17105-05 Sample ID: 612 S. Santa Anita Ave. (17A) Matrix: Water

Sampled by: Michael Thai/ Carlos C. Sampled: 02/17/16 13:53 Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427
Chlorine Residual, Free.....	0.48		mg/l	0.01	1	Field	02/17/16 13:53	02/17/16 13:53	_clnt	W6B1060

Lab Sample ID: 6B17105-06 Sample ID: 21 Genoa Street (17B) Matrix: Water

Sampled by: Michael Thai/ Carlos C. Sampled: 02/17/16 13:49 Sample Note:

Lab#: 6B17105-06



Certificate of Analysis

Lab Sample ID: 6B17105-06 Sample ID: 21 Genoa Street (17B) Matrix: Water

Sampled by: Michael Thai/ Carlos C.

Sampled: 02/17/16 13:49

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	iii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	iii	W6B1427
Chlorine Residual, Free.....	0.48		mg/l	0.01	1	Field	02/17/16 13:49	02/17/16 13:49	_clnt	W6B1060

Case Narrative:

Authorized Signature



Contact: Chris Samatmanakit
(Project Manager)

ELAP # 1132
LACSD # 10143
NELAC #4047-002 ORELAP

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Notes:

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NR = Not Reportable
Sub = Subcontracted analysis, original report enclosed.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services .
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002



Certificate of Analysis

Report Date: 02/24/16 11:33
Received Date: 02/17/16 16:57

Client: City of Arcadia
11800 Goldring Road
Arcadia, CA 91066-6021

Turnaround Time: Normal

Attn: Michael Thai

Phone: (626) 256-6592

Fax: (626) 359-7028

Project: Resample

P.O.#:

Dear Michael Thai :

Enclosed are the results of analyses for samples received 2/17/2016 with the Chain of Custody document. The samples were received in good condition, at 16.1 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 6B17108-01 Sample ID: Peck Well Matrix: Water
Sampled by: Michael Thai/ Carlos C. Sampled: 02/17/16 16:12

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lil	W6B1427

Lab Sample ID: 6B17108-02 Sample ID: Longley Well 3 Matrix: Water
Sampled by: Michael Thai/ Carlos C. Sampled: 02/17/16 15:38

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lil	W6B1427

Lab Sample ID: 6B17108-03 Sample ID: Camino Real Well 3 Matrix: Water
Sampled by: Michael Thai/ Carlos C. Sampled: 02/17/16 15:08

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lil	W6B1427

Lab Sample ID: 6B17108-04 Sample ID: Live Oak Well Matrix: Water
Sampled by: Michael Thai/ Carlos C. Sampled: 02/17/16 15:59

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lil	W6B1427

Lab Sample ID: 6B17108-05 Sample ID: Orange Grove Well 1A Matrix: Water
Sampled by: Michael Thai/ Carlos C. Sampled: 02/17/16 14:33

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lil	W6B1427

Lab Sample ID: 6B17108-06 Sample ID: Orange Grove Well 2A Matrix: Water
Sampled by: Michael Thai/ Carlos C. Sampled: 02/17/16 14:30

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lil	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lil	W6B1427

Lab Sample ID: 6B17108-07 Sample ID: Orange Grove Well 5 Matrix: Water
Sampled by: Michael Thai/ Carlos C. Sampled: 02/17/16 14:25

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
Lab#: 6B17108-09										



Certificate of Analysis

Lab Sample ID: 6B17108-07 Sample ID: Orange Grove Well 5 Matrix: Water

Sampled by: Michael Thai/ Carlos C.

Sampled: 02/17/16 14:25

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427

Lab Sample ID: 6B17108-08 Sample ID: Orange Grove Well 6 Matrix: Water

Sampled by: Michael Thai/ Carlos C.

Sampled: 02/17/16 14:28

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427

Lab Sample ID: 6B17108-09 Sample ID: St Joseph Well 2 Matrix: Water

Sampled by: Michael Thai/ Carlos C.

Sampled: 02/17/16 14:51

Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
E. coli.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427
Total Coliform.....	Absent		N/A	1.0	1	SM 9223B	02/17/16 17:34	02/18/16 11:40	lii	W6B1427

Case Narrative:

Authorized Signature

Contact: Chris Samatmanakit
(Project Manager)



ELAP # 1132
LACSD # 10143
NELAC #4047-002 ORELAP

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NR = Not Reportable
Sub = Subcontracted analysis, original report enclosed.

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The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002