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STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

IN RE: California Rehabilitation Center - Norco
P.O. Box 1841
Norco, CA 92860-0991

TO: Cynthia Y. Tampkins, Warden
California Rehabilitation Center - Norco

CITATION FOR NONCOMPLIANCE - WATER SYSTEM NO. 3310800
CITATION NO. 05-20-13C-006
Issued on October 29, 2013

Section 116650, Article 9, Chapter 4, Part 12, Division 104 of the California Health and Safety Code (H & S Code), authorizes the issuance of a citation for failure to comply with the requirements of the California Safe Drinking Water Act, or any regulation, standard, permit or order issued thereunder.

VIOLATION

The California Department of Public Health, Drinking Water Field Operations Branch (hereinafter Department), hereby issues a citation to the California Rehabilitation Center – Norco (hereinafter, CRC) (P.O. Box 1841, Norco, CA 92860-0991) for the following violations:

1. California Code of Regulations (CCR), Title 22, Section 64533(a): Specifically, CRC failed to comply with the Primary Maximum Contaminant Level (MCL) for

1 total trihalomethanes (TTHM) at the Warehouse and Unit IV sample sites. For a
2 public water system monitoring quarterly, each locational running annual average
3 (LRAA), computed quarterly, shall not exceed the MCL of 0.080 mg/L (80 µg/L) for
4 total trihalomethanes, consisting of chloroform, bromodichloromethane,
5 dibromochloromethane, and bromoform. The TTHM LRAA computed after the
6 third quarter of 2013 for the Warehouse and Unit IV sample sites were 90.4 µg/L
7 and 92.0 µg/L, respectively.

8

9 **BACKGROUND**

10 The CRC water system is operated under Water Supply Permit No. 05-20-07P-004,
11 issued by the Department on January 29, 2007. CRC serves water to approximately
12 5,400 staff and inmates at the Rehabilitation Center in Norco, CA. Water is also
13 supplied to the Center Force (Hospitality House), and the Department of Forestry
14 (Camp Norco). CRC is located within the City of Norco in the northwestern portion of
15 Riverside County, and receives all of its potable water from two service connections
16 with the City of Norco (City). CRC has two reservoirs, one booster station at
17 Reservoir No. 1, and a chlorination station also located at Reservoir No. 1. The water
18 supplied by the City consists primarily of groundwater produced by the City's wells
19 and, depending on system demand and availability, treated groundwater purchased
20 from Western Municipal Water District (WMWD). The water supplied by the City
21 generally contains a disinfectant residual ranging from 0.02 – 2.2 mg/L, measured
22 daily by CRC at the two connections with the City.

23

24 CRC experiences significant chlorine demand in the system, which may be attributed
25 to aging pipes, faulty valves, and high temperature water provided by the City. During
26 the 2011 calendar year, CRC failed the total coliform MCL four times, and continues
27 to struggle with maintaining a detectable disinfectant residual in the distribution

1 system. CRC's operational and infrastructural deficiencies are identified in the
2 January 2000 Water Engineering Report and Master Plan (Master Plan) prepared by
3 Robert Bein, William Frost and Associates, and in the Hydraulic Modeling Report
4 prepared by Winzler & Kelly, dated March 8, 2011.

5

6 Pursuant to Stage 2 of the Disinfectants/Disinfection Byproducts Rule (DBPR), CRC
7 collects two distribution system samples per quarter for TTHM and HAA5 analyses in
8 accordance with their Department-approved Stage 2 DBPR Monitoring Plan, dated
9 February 24, 2012. Under the Stage 2 DBPR, compliance with the TTHM MCL of
10 0.080 mg/L and the HAA5 MCL of 0.060 mg/L is based on a running annual average,
11 calculated quarterly, for each monitoring location. Under the Stage 2 DBPR, CRC is
12 also required to comply with operational evaluation levels (OELs) for TTHM and HAA5
13 at each monitoring location. The OELs act as an early warning for a possible Stage 2
14 DBPR violation in the following quarter, and when exceeded, triggers comprehensive
15 review of system operations to identify the cause(s) of the exceedance to allow CRC
16 to take proactive steps to prevent the violation.

17

18 **PREVIOUS ENFORCEMENT ACTIONS**

19 The following enforcement action was previously issued to this system for a similar
20 violation:

21

22 September 12, 2013: The Department issued Citation No. 05-20-13C-005 for
23 exceedance of the TTHM MCL at the Warehouse sample site at the end of the
24 second quarter of 2013, and failure to report the results to the Department within 10
25 days of the end of the second quarter.

26

1 February 1, 2007: The Department issued Citation No. 05-20-07C-002 for
2 exceedance of the TTHM MCL at the end of the third quarter of 2006, and failure to
3 notify the Department and the public of the violation within the required timeframe.
4

5 **CHRONOLOGY OF EVENTS**

6 The following is a chronology of events that occurred leading up to the TTHM MCL
7 failure. The laboratory reports are included as [Attachment No. 1](#).
8

9 **2nd Quarter 2012:** A dual-sample set was collected on June 2, 2012, at the Unit IV
10 and Warehouse sample sites for the analyses of TTHM and HAA5. The TTHM and
11 HAA5 levels in the Unit IV sample were 35.0 µg/L and 17.0 µg/L, respectively. The
12 TTHM and HAA5 levels in the Warehouse samples were 1.0 µg/L and 1.8 µg/L,
13 respectively.
14

15 **3rd Quarter 2012:** A dual sample set was collected on September 19, 2012, at the
16 Unit IV and Warehouse sample sites. The TTHM and HAA5 levels in the Unit IV
17 sample were 110.6 µg/L and 13.6 µg/L, respectively. The TTHM and HAA5 levels in
18 the Warehouse sample were 116.0 µg/L and 10.6 µg/L, respectively. CRC-Norco is in
19 compliance with the TTHM MCL with a two-quarter average of 72.8 µg/L for the Unit
20 IV site and 58.5 µg/L average for the Warehouse site.
21

22 **4th Quarter 2012:** A dual sample set was collected on December 17, 2012, at the
23 Unit IV sample site. The TTHM and HAA5 levels were 80.1 µg/L and 5.0 µg/L,
24 respectively. The Warehouse site was not sampled because the operator did not
25 have access to the facility at the time of sample collection. The Department issued
26 CRC a notice of violation for the missed sample and instructed them to collect a
27 replacement sample at the Warehouse site. The three-quarter TTHM and HAA5

1 averages for the Unit IV site were 75.2 µg/L and 11.9 µg/L, respectively. The
2 calculated TTHM and HAA5 operational evaluation levels (OELs) were 76.5 µg/L and
3 10.2 µg/L, respectively.

4
5 **January 23, 2013:** A dual sample set was collected at the Warehouse sample site to
6 replace the fourth quarter 2012 sample that was missed. The TTHM and HAA5 levels
7 were 44.6 µg/L and 5.9 µg/L, respectively. After three quarters of sampling, the
8 TTHM and HAA5 averages at the Warehouse site were 53.9 µg/L and 6.1 µg/L,
9 respectively. The TTHM and HAA5 OELs were 51.5 µg/L and 6.0 µg/L, respectively.

10
11 **1st Quarter 2013:** A dual sample set was collected on March 11, 2013, at the Unit IV
12 and Warehouse sample sites. The TTHM and HAA5 levels in the Unit IV sample
13 were 87.3 µg/L and 15.1 µg/L, respectively. The TTHM and HAA5 levels in the
14 Warehouse sample were 89.3 µg/L and 10.4 µg/L, respectively. After four quarters of
15 sampling, the TTHM locational running annual averages (LRAAs) for the Unit IV and
16 Warehouse sample sites were 78.3 µg/L and 62.8 µg/L, respectively. The TTHM
17 OELs for the Unit IV and Warehouse sites were 91.3 µg/L and 85.0 µg/L, respectively.
18 Both sites were determined to have exceeded the TTHM OEL of 80 µg/L, triggering
19 an operational evaluation of the system and operations to identify the cause of the
20 OEL exceedances. The Department received a copy of the OEL report on June 13,
21 2013.

22
23 **2nd Quarter 2013:** A dual sample set was collected on June 10, 2013, at the Unit IV
24 and Warehouse sample sites. The TTHM and HAA5 levels in the Unit IV sample
25 were 32.5 µg/L and 2.7 µg/L, respectively. The resultant TTHM LRAA and OEL were
26 77.6 µg/L and 58.1 µg/L, respectively. TTHM and HAA5 levels in the Warehouse
27 sample were 112.0 µg/L and 3.6 µg/L, respectively, resulting in a TTHM LRAA of 90.6

1 µg/L and a TTHM OEL of 89.6 µg/L. CRC was issued a citation for failing the TTHM
2 MCL and directed to provide Tier 2 public notification and conduct a more in-depth
3 evaluation to determine the cause of the elevated TTHM levels.
4

5 **3rd Quarter 2013:** A dual sample set was collected on September 11, 2013, at the
6 Unit IV and Warehouse sample sites. The TTHM and HAA5 levels in the Unit IV
7 sample were 168 µg/L and 16.6 µg/L, respectively. The resultant TTHM LRAA and
8 OEL were 92.0 µg/L and 114.0 µg/L, respectively. The TTHM and HAA5 levels in the
9 Warehouse sample site were 115 µg/L and 4.6 µg/L, respectively, resulting in a TTHM
10 LRAA of 90.4 µg/L, and a TTHM OEL of 108.0 µg/L. The preliminary results were
11 reported to the Department by CRC via email on September 30, 2013. The final
12 laboratory results were received by the Department in hard copy on October 11, 2013.
13

14 **DISCUSSION OF CONTRIBUTING PROBLEMS, SANITARY HAZARDS AND** 15 **PUBLIC HEALTH SAFEGUARDS**

16 CRC attributes the high TTHM results to insufficient disinfectant residual levels in the
17 water supplied by the City. During the summer months and other periods of high
18 water demand, the water provided by the City consists primarily of well water that is
19 generally high in temperature. Temperatures ranging from 74.5 °F – 101.5 °F were
20 recorded in the daily samples collected by CRC from June through September 2013
21 at the two connections with the City. The average temperature of the water received
22 through the 5th St. connection and the Western Ave. connection during this period was
23 88.1 °F and 94.4 °F, respectively. Because high temperatures promote the
24 accelerated depletion of residual chlorine in the water, CRC has to provide additional
25 chlorination at Reservoir No. 1 in order to maintain a detectable residual throughout
26 the distribution system. CRC is required to maintain an adequate disinfectant residual
27 level throughout the distribution system at all times (Provision No. 12 of CRC's Water



1 Supply Permit No. 05-20-07P-004) due to its aging distribution system and history of
2 distribution system coliform detections. Compliance with this provision is based on
3 maintaining a chlorine residual of at least 0.2 mg/L in at least 95 percent of the
4 samples collected monthly. According to available historical monitoring data, chlorine
5 residuals in the distribution system vary significantly, and have ranged from 0.14 to
6 1.03 mg/L as measured at different routine bacteriological sampling sites within the
7 same hour. Summary tables provided as [Attachment No. 2](#) comparing the residual
8 measurements taken at the 5th St. and Western Ave. connections with residual
9 measurements taken at routine bacteriological sample sites show the extent of
10 chlorine demand in the system.

11

12 The difference in chlorine residual levels between routine bacteriological sample sites
13 is a result of chlorine demand in the distribution system, which may be attributed to
14 the condition of the infrastructure and high temperature water. Although the
15 distribution system is looped in general, there appears to be low-use areas that
16 contribute to the occurrence of stagnant water, providing prolonged contact times for
17 DBP formation. CRC is tasked with trying to maintain a balance between providing
18 enough disinfectant residual to control bacteriological growth in the distribution system
19 without increasing DBP formation.

20

21 Following the TTHM MCL exceedance at the Warehouse sample site at the end of the
22 second quarter of 2013, CRC consulted with City operators to conduct an in-depth
23 examination of system treatment and distribution system operational practices to
24 identify possible factors that may be contributing to increased DBP formation. The
25 findings of CRC's investigation shall be documented in an operational evaluation
26 report to the Department to include proposed corrective actions to be taken to
27 minimize future exceedances. The deadline for submittal of the operational

1 evaluation has been extended from the deadline prescribed in the previous citation to
2 November 29, 2013.

3

4 **DIRECTIVES**

5 CRC is hereby directed to take the following actions:

6

7 1. Forthwith, CRC shall cease and desist from failing to comply with the Primary
8 Drinking Water Standard for total trihalomethanes (TTHM).

9

10 2. Forthwith, CRC shall maintain a minimum chlorine residual of 0.2 mg/L throughout
11 the distribution system pursuant to Provision No. 12 of Domestic Water Supply
12 Permit No. 05-20-07P-004. Chlorine residual samples shall be collected at
13 Reservoir No. 1 and at each coliform sample site monitored under the Total
14 Coliform Rule. Compliance with this Provision shall be based upon meeting the 0.2
15 mg/L residual in at least 95 percent of the samples collected each month.

16

17 3. Within 30 days of receipt of this Citation, CRC shall provide proof of public
18 notification using the enclosed form ([Attachment No. 3](#)). Include in the certification
19 of notification the number of notices posted, and the locations where the notices
20 were posted, and how long the notices were posted.

21

22 4. CRC shall include information regarding the TTHM MCL violation in its next
23 Consumer Confidence Report, which must be completed and distributed to staff
24 and inmates by July 1, 2014. A draft of the Consumer Confidence Report shall be
25 submitted to the Department for review and approval prior to distribution and/or
26 posting.

27

1 5. By November 29, 2013, CRC shall provide an operational evaluation report
2 documenting the findings of CRC's in-depth examination of system treatment and
3 distribution system operational practices that may contribute to DBP formation, to
4 include proposed corrective actions and schedule to minimize future exceedances.
5

6 All submittals required by this Citation shall be sent to:

7
8 J. Steven Williams, P.E.
9 District Engineer
10 Department of Public Health
11 Division of Drinking Water and Environmental Management
12 1350 Front Street, Room 2050
13 San Diego, CA 92101
14

15 **CIVIL PENALTY**

16 Section 116650 (e) of the H&S Code allows for the assessment of a civil penalty for
17 violation of a primary drinking water standard, or failure to comply with a Department
18 issued citation or order. Failure to comply with any provision of this Citation will result
19 in the Department imposing an administrative penalty of up to \$1,000.00 (One
20 thousand dollars) per day as of the date of violation of any provision of this Citation.
21
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25
26 10-29-2013

27 Date

28 

29 J. Steven Williams, P.E.,
30 District Engineer
31 Drinking Water Field Operations Branch
Department of Public Health

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Attachments:

- 1. Quarterly DBP Monitoring Results (2nd Quarter 2012 – 3rd Quarter 2013)
- 2. Chlorine Residual and Temperature Summary Tables (June 2012 – September 2013)
- 3. Proof of Notification Form

cc: County of Riverside, Department of Environmental Health

Deanna Rogers, Capital Outlay Analyst, Department of Corrections and Rehabilitation, Facilities Management Division, Capital Outlay Section, P.O. Box 942883, Sacramento, CA 94283-0001

Kimberly Hughes, Associate Warden – Business Services, California Rehabilitation Center - Norco, P.O. Box 1841, Norco, CA 92860-0991

David Huskey, Correctional Plant Manager A, California Rehabilitation Center - Norco, P.O. Box 1841, Norco, CA 92860-0991

Attachment No. 1

Stage 2 DDBPR Quarterly TTHM Report for Disinfection Byproducts Compliance (in ug/L or ppb)

System Name: California Rehabilitation Center - Norco System No.: 3310800 Year: 2013 Quarter: 3 TTHM MCL = 0.080 mg/L or 80 ug/L

Year		2012												2013											
Quarter		1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	OEL (a)				LRAA (b)				1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	OEL (a)				LRAA (b)			
Sample Date (month/day)			6/12	9/17	12/17	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	3/11	6/10	9/11		1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
#	Monitoring Location																								
1	Unit IV		35.0	110.6	80.1				76.5		35.0	72.8	75.2	87.3	32.5	168.0		91.3	58.1	114.0		78.3	77.6	92.0	
2	Warehouse		1.0	116.0	44.6				51.5		1.0	58.5	53.9	89.8	112.0	115.0		85.0	89.6	108.0		62.8	90.6	90.4	
3																									
4																									
Number of Samples Taken			2	2	2									2	2	2									
Meets MCL for all monitoring locations? (c)						<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No						
If no, list monitoring location # where MCL not met																									
Will the LRAA calc based on < 4 qtrs of data exceed the MCL regardless of the monitoring results of subsequent qtrs? (d)						<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No														
If yes, list monitoring location # where MCL not met																									

CDPH-corrected version

Stage 2 DDBPR Quarterly HAA5 Report for Disinfection Byproducts Compliance (in ug/L or ppb)

HAA5 MCL = 0.060 mg/L or 60 ug/L

Year		2012												2013											
Quarter		1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	OEL (a)				LRAA (b)				1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	OEL (a)				LRAA (b)			
Sample Date (month/day)			6/12	9/17	12/17	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	3/11	6/10	9/11		1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
#	Monitoring Location																								
1	Unit IV		17.0	13.6	5.0				10.2		17.0	15.3	11.9	15.1	2.7	16.6		12.2	6.4	12.8		12.7	9.1	9.9	
2	Warehouse		1.8	10.6	5.9				6.0		1.8	6.2	6.1	10.4	3.6	4.6		9.3	5.8	5.8		7.2	7.6	6.1	
3																									
4																									
Number of Samples Taken			2	2	2									2	2	2									
Meets MCL for all monitoring locations? (c)						<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No															
If no, list monitoring location # where MCL not met																									
Will the LRAA calc based on < 4 qtrs of data exceed the MCL regardless of the monitoring results of subsequent qtrs? (d)						<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No																
If yes, list monitoring location # where MCL not met																									

(a) **Operational Evaluation Level (OEL)** means the sum of the 2 previous quarter's results plus twice the current quarter's result, divided by 4 to determine an average.

Example: 4th Qtr OEL =
$$\frac{(2nd\ Qtr\ TTHM\ result) + (3rd\ Qtr\ TTHM\ result) + [2 \times (4th\ Qtr\ TTHM\ result)]}{4}$$

(b) **Location Running Annual Average (LRAA)** means the average of results for samples taken at a particular monitoring location during the previous four calendar quarters.

Example: 4th Qtr LRAA =
$$\frac{(1st\ Qtr\ TTHM\ result) + (2nd\ Qtr\ TTHM\ result) + (3rd\ Qtr\ TTHM\ result) + (4th\ Qtr\ TTHM\ result)}{4}$$

(c) If OEL exceeds the MCL, system must conduct an operational evaluation and submit a report to CDPH no later than 90 days after being notified of the analytical result that caused the OEL exceedance. If LRAA exceeds the MCL, systems on annual or less frequent monitoring must begin monitoring quarterly, and system on quarterly monitoring must conduct public notification. For the initial 3 quarters of monitoring under Stage 2 DBPR only, compliance is based on meeting the following (1) First Quarter - 4X MCL; (2) Second Quarter Average - 2X MCL; (3) Third Quarter Average - 1.33X MCL. This is the method used in Title 22, Section 64535.2, to determine compliance with criteria (d) below for the first year of monitoring.

(d) If any individual quarter's result will cause the LRAA to exceed the MCL, the system is out of compliance at the end of that quarter.

Comments: 4Q-2012 Warehouse sample collected 1/23/13

Signature _____

Date _____

02 2012

Client Sample Results

Client: CDCR California Rehabilitation Center
 Project/Site: CA Rehab Center (CRC)-Weekly DW

TestAmerica Job ID: 440-14331-1

Client Sample ID: Visitor Processing

Lab Sample ID: 440-14331-1

Date Collected: 06/12/12 08:20

Matrix: Water

Date Received: 06/12/12 10:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		1.0		Color Units			06/13/12 07:29	1
pH at time of analysis	8.5		0.10		SU			06/13/12 07:29	1
Turbidity	ND		0.10		NTU			06/13/12 13:03	1
Odor	1.0		1.0		T.O.N.			06/13/12 14:46	1

Method: SimPlate - Heterotrophic Plate Count (HPC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heterotrophic Plate Count	ND		2.0		MPN/mL			06/12/12 14:10	1

Method: SM 9223B - Coliforms, Total, and E.Coli (Presence/Absence)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Total	absent				NONE			06/12/12 14:49	1
Escherichia coli	absent				NONE			06/12/12 14:49	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorine, Total Residual	0.25				mg/L			06/12/12 08:20	1

Client Sample ID: Unit IV

Lab Sample ID: 440-14331-2

Date Collected: 06/12/12 08:25

Matrix: Water

Date Received: 06/12/12 10:50

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	3.9		1.0		ug/L			06/13/12 14:54	1
Bromoform	19		1.0		ug/L			06/13/12 14:54	1
Chloroform	1.9		1.0		ug/L			06/13/12 14:54	1
Dibromochloromethane	9.4		1.0		ug/L			06/13/12 14:54	1
Trihalomethanes, Total	35		1.0		ug/L			06/13/12 14:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130					06/13/12 14:54	1
1,2-Dichlorobenzene-d4	95		70 - 130					06/13/12 14:54	1

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloroacetic acid	1.7		1.0		ug/L		06/14/12 08:41	06/14/12 20:31	1
Dibromoacetic acid	8.8		1.0		ug/L		06/14/12 08:41	06/14/12 20:31	1
Dichloroacetic acid	1.3		1.0		ug/L		06/14/12 08:41	06/14/12 20:31	1
Monobromoacetic acid	ND		1.0		ug/L		06/14/12 08:41	06/14/12 20:31	1
Monochloroacetic acid	6.6	p	2.0		ug/L		06/14/12 08:41	06/14/12 20:31	1
Trichloroacetic acid	ND		1.0		ug/L		06/14/12 08:41	06/14/12 20:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,3-Dibromopropionic acid	105		70 - 130				06/14/12 08:41	06/14/12 20:31	1

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Haloacetic Acids 5	17		1.0		ug/L			06/15/12 07:49	1

02 2012

Client Sample Results

Client: CDCR California Rehabilitation Center
 Project/Site: CA Rehab Center (CRC)-Weekly DW

TestAmerica Job ID: 440-14331-1

Client Sample ID: Warehouse

Lab Sample ID: 440-14331-3

Date Collected: 06/12/12 08:30

Matrix: Water

Date Received: 06/12/12 10:50

4

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0		ug/L			06/13/12 15:25	1
Bromoform	ND		1.0		ug/L			06/13/12 15:25	1
Chloroform	ND		1.0		ug/L			06/13/12 15:25	1
Dibromochloromethane	1.0		1.0		ug/L			06/13/12 15:25	1
Trihalomethanes, Total	1.0		1.0		ug/L			06/14/12 09:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130		06/13/12 15:25	1
1,2-Dichlorobenzene-d4	97		70 - 130		06/13/12 15:25	1

Method: 552.2 - Haloacetic Acids (HAAs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloroacetic acid	ND		0.99		ug/L		06/14/12 08:41	06/14/12 20:48	1
Dibromoacetic acid	1.7		0.99		ug/L		06/14/12 08:41	06/14/12 20:48	1
Dichloroacetic acid	ND		0.99		ug/L		06/14/12 08:41	06/14/12 20:48	1
Monobromoacetic acid	ND		0.99		ug/L		06/14/12 08:41	06/14/12 20:48	1
Monochloroacetic acid	ND		2.0		ug/L		06/14/12 08:41	06/14/12 20:48	1
Trichloroacetic acid	ND		0.99		ug/L		06/14/12 08:41	06/14/12 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,3-Dibromopropionic acid	89		70 - 130	06/14/12 08:41	06/14/12 20:48	1

Method: 552.2 - Total Haloacetic Acids (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Haloacetic Acids 5	1.7		1.0		ug/L			06/15/12 07:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		1.0		Color Units			06/13/12 07:29	1
pH at time of analysis	8.1		0.10		SU			06/13/12 07:29	1
Turbidity	ND		0.10		NTU			06/13/12 13:03	1
Odor	ND		1.0		T.O.N.			06/13/12 14:46	1

Method: SimPlate - Heterotrophic Plate Count (HPC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heterotrophic Plate Count	ND		2.0		MPN/mL			06/12/12 14:10	1

Method: SM 9223B - Coliforms, Total, and E.Coli (Presence/Absence)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Total	absent				NONE			06/12/12 14:49	1
Escherichia coli	absent				NONE			06/12/12 14:49	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorine, Total Residual	0.79				mg/L			06/12/12 08:30	1

Client Sample ID: Navy

Lab Sample ID: 440-14331-4

Date Collected: 06/12/12 08:45

Matrix: Water

Date Received: 06/12/12 10:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		1.0		Color Units			06/13/12 07:29	1

023 2012

PRELIMINARY NON-STANDARD REPORT

Report Date: 10/4/12
 Project Manager: Singh Rai
 CRC

Date Sampled: 9/17/12
 Date Received: 9/17/12

Client Sample I.D. VISITOR PROCESSING									
LAB. NO. 1209219-01									
ANALYTE	DATE SAMPLED	UNITS	EPA	R/L	MDL	Results	Date Prepared	Date Analyzed	Qualifier
Chlorine Residual	9/17/12	mg/L	Field			0.26	9/17/12	9/17/12	Client
Color	9/17/12	Color Units	SM 2120B	1.00	1.00	ND	9/18/12	9/18/12	
MBA's	9/17/12	mg/L	SM 5540C	0.100	0.0600	ND	9/18/12	9/18/12	
Odor	9/17/12	T.O.N.	SM2150	1.00	1.00	ND	9/17/12	9/17/12	
pH	9/17/12	pH Units	SM 4500-H+E	0.100	0.100	7.98	9/18/12	9/18/12	
Conductivity	9/17/12	uS/cm	EPA 120.1	5.00	1.09	909	9/18/12	9/18/12	
TDS	9/17/12	mg/L	SM 2540C	15.0	7.68	513	9/20/12	9/20/12	
Turbidity	9/17/12	NTU	EPA 180.1	0.100	0.0170	0.20	9/18/12	9/18/12	
Client Sample I.D. UNIT IV									
LAB. NO. 1209219-02									
ANALYTE	DATE SAMPLED	UNITS	EPA	R/L	MDL	Results	Date Prepared	Date Analyzed	Qualifier
Chlorine Residual	9/17/12	mg/L	Field			0.53	9/17/12	9/17/12	Client
Color	9/17/12	Color Units	SM 2120B	1.00	1.00	ND	9/18/12	9/18/12	
MBA's	9/17/12	mg/L	SM 5540C	0.100	0.0600	ND	9/18/12	9/18/12	
Odor	9/17/12	T.O.N.	SM2150	1.00	1.00	ND	9/17/12	9/17/12	
pH	9/17/12	pH Units	SM 4500-H+E	0.100	0.100	7.98	9/18/12	9/18/12	
Conductivity	9/17/12	uS/cm	EPA 120.1	5.00	1.09	913	9/18/12	9/18/12	
TDS	9/17/12	mg/L	SM 2540C	15.0	7.68	510	9/20/12	9/20/12	
Turbidity	9/17/12	NTU	EPA 180.1	0.100	0.0170	0.15	9/18/12	9/18/12	
TTHMs						119.36			
Chloroform	9/17/12	ug/L	EPA 524	0.5	0.120	1.49	9/19/12	9/19/12	
Bromodichloromethane	9/17/12	ug/L	EPA 524	0.5	0.100	5.15	9/19/12	9/19/12	
Dibromochloromethane	9/17/12	ug/L	EPA 524	0.5	0.0800	23.54	9/19/12	9/19/12	
Bromoform	9/17/12	ug/L	EPA 524	0.5	0.100	80.46	9/19/12	9/19/12	
HAA5									
Monochloroacetic Acid	9/17/12	ug/L	EPA 552.2	2.00	2.00	ND	9/29/12	10/2/12	
Monobromoacetic Acid	9/17/12	ug/L	EPA 552.2	1.00	1.00	ND	9/29/12	10/2/12	
Dichloroacetic Acid	9/17/12	ug/L	EPA 552.2	1.00	1.00	ND	9/29/12	10/2/12	
Trichloroacetic Acid	9/17/12	ug/L	EPA 552.2	1.00	1.00	ND	9/29/12	10/2/12	
Dibromoacetic Acid	9/17/12	ug/L	EPA 552.2	1.00	1.00	13.60	9/29/12	10/2/12	
Total HAA5	9/17/12	ug/L	EPA 552.2	10.00	10.00	13.60	9/29/12	10/2/12	
Client Sample I.D. NAVY									
LAB. NO. 1209219-03									
ANALYTE	DATE SAMPLED	UNITS	EPA	R/L	MDL	Results	Date Prepared	Date Analyzed	Qualifier
Chlorine Residual	9/17/12	mg/L	Field			0.36	9/17/12	9/17/12	Client
Color	9/17/12	Color Units	SM 2120B	1.00	1.00	ND	9/18/12	9/18/12	
MBA's	9/17/12	mg/L	SM 5540C	0.100	0.0600	ND	9/18/12	9/18/12	
Odor	9/17/12	T.O.N.	SM2150	1.00	1.00	ND	9/17/12	9/17/12	
pH	9/17/12	pH Units	SM 4500-H+E	0.100	0.100	8.01	9/18/12	9/18/12	
Conductivity	9/17/12	uS/cm	EPA 120.1	5.00	1.09	915	9/18/12	9/18/12	
TDS	9/17/12	mg/L	SM 2540C	15.0	7.68	517	9/20/12	9/20/12	
Turbidity	9/17/12	NTU	EPA 180.1	0.100	0.0170	0.17	9/18/12	9/18/12	

023 2012

Client Sample I.D. RESERVOIR									
LAB. NO. 1209219-04									
ANALYTE	DATE SAMPLED	UNITS	EPA	R/L	MDL	Results	Date Prepared	Date Analyzed	Qualifier
Chlorine Residual	9/17/12	mg/L	Field			0.46	9/17/12	9/17/12	Client
Color	9/17/12	Color Units	SM 2120B	1.00	1.00	ND	9/18/12	9/18/12	
MBA's	9/17/12	mg/L	SM 5540C	0.100	0.0600	ND	9/18/12	9/18/12	
Odor	9/17/12	T.O.N.	SM2150	1.00	1.00	ND	9/17/12	9/17/12	
pH	9/17/12	pH Units	SM 4500-H+E	0.100	0.100	8.05	9/18/12	9/18/12	
Conductivity	9/17/12	uS/cm	EPA 120.1	5.00	1.09	910	9/18/12	9/18/12	
TDS	9/17/12	mg/L	SM 2540C	15.0	7.68	508	9/20/12	9/20/12	
Turbidity	9/17/12	NTU	EPA 180.1	0.100	0.0170	0.18	9/18/12	9/18/12	
Client Sample I.D. WAREHOUSE									
LAB. NO. 1209219-05									
ANALYTE	DATE SAMPLED	UNITS	EPA	R/L	MDL	Results	Date Prepared	Date Analyzed	Qualifier
TTHMs									
Chloroform	9/17/12	ug/L	EPA 524	0.5	0.120	1.60	9/19/12	9/19/12	
Bromodichloromethane	9/17/12	ug/L	EPA 524	0.5	0.100	5.53	9/19/12	9/19/12	
Dibromochloromethane	9/17/12	ug/L	EPA 524	0.5	0.0800	24.53	9/19/12	9/19/12	
Bromoform	9/17/12	ug/L	EPA 524	0.5	0.100	84.30	9/19/12	9/19/12	
HAA5									
Monochloroacetic Acid	9/17/12	ug/L	EPA 552.2	2.00	2.00	ND	9/29/12	10/2/12	
Monobromoacetic Acid	9/17/12	ug/L	EPA 552.2	1.00	1.00	ND	9/29/12	10/2/12	
Dichloroacetic Acid	9/17/12	ug/L	EPA 552.2	1.00	1.00	ND	9/29/12	10/2/12	
Trichloroacetic Acid	9/17/12	ug/L	EPA 552.2	1.00	1.00	ND	9/29/12	10/2/12	
Dibromoacetic Acid	9/17/12	ug/L	EPA 552.2	1.00	1.00	10.60	9/29/12	10/2/12	
Total HAA5	9/17/12	ug/L	EPA 552.2	10.00	10.00	10.60	9/29/12	10/2/12	
Client Sample I.D. TRIP BLANK									
LAB. NO. 1209219-06									
ANALYTE	DATE SAMPLED	UNITS	EPA	R/L	MDL	Results	Date Prepared	Date Analyzed	Qualifier
TTHMs									
Chloroform	9/17/12	ug/L	EPA 524	0.5	0.120	ND	9/19/12	9/19/12	
Bromodichloromethane	9/17/12	ug/L	EPA 524	0.5	0.100	ND	9/19/12	9/19/12	
Dibromochloromethane	9/17/12	ug/L	EPA 524	0.5	0.0800	ND	9/19/12	9/19/12	
Bromoform	9/17/12	ug/L	EPA 524	0.5	0.100	ND	9/19/12	9/19/12	

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

R/L = Reporting Limit

J= Estimated Value

CLIENT= Chlorine Residual was analyzed by client prior to relinquishing samples to lab. Client's result is reported on lab report per cli

Q4 2012

Excelchem Environmental Labs

California State Prison: CA Rehabilitation Center
5th Street & Western
Norco, CA 91760

Project: Drinking Water
Project Number: [none]
Project Manager: Singh Rai

Date Reported:
01/10/13 16:35

Unit IV
1212237-02 (Drinking Water)

Analyte	Result	Reporting Limit	MDL	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
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Trihalomethanes by GC/MS

Total Trihalomethanes	80.1	0.5	0.5	ug/l	AVL0222	12/18/12	12/18/12	EPA 524	
Chloroform	1.4	0.5	0.1	"	"	"	"	"	
Bromodichloromethane	4.0	0.5	0.1	"	"	"	"	"	
Dibromochloromethane	13.4	0.5	0.08	"	"	"	"	"	
Bromoform	61.4	0.5	0.1	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>103 %</i>	% Recovery Limits		<i>70-130</i>					"
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	% Recovery Limits		<i>70-130</i>					"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>109 %</i>	% Recovery Limits		<i>70-130</i>					"

Haloacetic Acids

Monochloroacetic Acid	ND	2.00	2.00	ug/l	AWA0020	12/31/12	01/03/13	EPA 552.2	
Monobromoacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Dichloroacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Trichloroacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Dibromoacetic Acid	5.02	1.00	1.00	"	"	"	"	"	
Total Haloacetic Acids (HAA5)	ND	10.0	10.0	"	"	"	"	"	
<i>Surrogate: 2,3-Dibromopropionic Acid</i>	<i>104 %</i>	% Recovery Limits		<i>70-130</i>					"

Wet Chemistry

Color	ND	1.00	1.00	Color Units	AVL0213	12/18/12	12/18/12	SM2120B	
Specific Conductance (EC)	970	5.00	1.09	uS/cm	AVL0205	12/18/12	12/18/12	EPA 120.1	
MBAS	ND	0.100	0.0600	mg/L	AVL0257	12/19/12	12/19/12	SM5540C	
Odor	ND	1.00	1.00	T.O.N.	AVL0300	12/17/12	12/17/12	SM2150B	
pH	7.56	0.100	0.100	pH Units	AVL0204	12/18/12	12/18/12	SM 4500-H+ B	Field
Total Dissolved Solids	528	15.0	7.68	mg/L	AVL0306	12/23/12	12/27/12	SM 2540C	
Turbidity	0.2	0.1	0.02	NTU	AVL0200	12/18/12	12/18/12	EPA 180.1	

Excelchem Environmental Lab.

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Laboratory Representative

REPLACEMENT SAMPLE FOR
Q4 2012 *YOT*

Excelchem Environmental Labs

California State Prison: CA Rehabilitation Center
 5th Street & Western
 Norco, CA 91760

Project: Drinking Water
 Project Number: [none]
 Project Manager: Singh Rai

Date Reported:
 01/30/13 16:20

**Warehouse
 1301355-02 (Drinking Water)**

Analyte	Result	Reporting Limit	MDL	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
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Trihalomethanes by GC/MS

Total Trihalomethanes	44.6	0.5	0.5	ug/l	AWA0303	01/24/13	01/24/13	EPA 524	
Chloroform	1.5	0.5	0.1	"	"	"	"	"	
Bromodichloromethane	3.7	0.5	0.1	"	"	"	"	"	
Dibromochloromethane	10.5	0.5	0.08	"	"	"	"	"	
Bromoform	29.0	0.5	0.1	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>97.4 %</i>	% Recovery Limits		<i>70-130</i>					"
<i>Surrogate: Toluene-d8</i>	<i>97.7 %</i>	% Recovery Limits		<i>70-130</i>					"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>107 %</i>	% Recovery Limits		<i>70-130</i>					"

Haloacetic Acids

Monochloroacetic Acid	ND	2.00	2.00	ug/l	AWA0351	01/28/13	01/30/13	EPA 552.2	
Monobromoacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Dichloroacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Trichloroacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Dibromoacetic Acid	5.85	1.00	1.00	"	"	"	"	"	
Total Haloacetic Acids (HAA5)	ND	10.0	10.0	"	"	"	"	"	
<i>Surrogate: 2,3-Dibromopropionic Acid</i>	<i>73.7 %</i>	% Recovery Limits		<i>70-130</i>					"

Wet Chemistry

Color	ND	1.00	1.00	Color Units	AWA0308	01/24/13	01/24/13	SM2120B	
Specific Conductance (EC)	845	5.00	1.09	uS/cm	AWA0307	01/24/13	01/24/13	EPA 120.1	
MBAS	ND	0.100	0.0600	mg/L	AWA0311	01/24/13	01/25/13	SM5540C	
Odor	ND	1.00	1.00	T.O.N.	AWA0309	01/23/13	01/23/13	SM2150B	
pH	8.03	0.100	0.100	pH Units	AWA0306	01/24/13	01/24/13	SM 4500-H+ B	Field
Total Dissolved Solids	471	15.0	7.68	mg/L	AWA0329	01/24/13	01/27/13	SM 2540C	
Turbidity	0.7	0.1	0.02	NTU	AWA0297	01/24/13	01/24/13	EPA 180.1	

Excelchem Environmental Lab.

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Laboratory Representative

Q1 2013

Excelchem Environmental Labs

California State Prison: CA Rehabilitation Center 5th Street & Western Norco, CA 91760	Project: Drinking Water Project Number: [none] Project Manager: Singh Rai	Date Reported: 03/27/13 14:28
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**Unit IV
1303122-01 (Drinking Water)**

Analyte	Result	Reporting Limit	MDL	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
Trihalomethanes by GC/MS									
Total Trihalomethanes	87.3	0.5	0.5	ug/l	AWC0118	03/12/13	03/12/13	EPA 524	
Chloroform	1.4	0.5	0.1	"	"	"	"	"	
Bromodichloromethane	5.5	0.5	0.1	"	"	"	"	"	
Dibromochloromethane	22.5	0.5	0.08	"	"	"	"	"	
Bromoform	58.0	0.5	0.1	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>103 %</i>	% Recovery Limits		<i>70-130</i>					"
<i>Surrogate: Toluene-d8</i>	<i>98.0 %</i>	% Recovery Limits		<i>70-130</i>					"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>111 %</i>	% Recovery Limits		<i>70-130</i>					"
Haloacetic Acids									
Monochloroacetic Acid	ND	2.00	2.00	ug/l	AWC0270	03/21/13	03/23/13	EPA 552.2	
Monobromoacetic Acid	1.50	1.00	1.00	"	"	"	"	"	
Dichloroacetic Acid	1.71	1.00	1.00	"	"	"	"	"	
Trichloroacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Dibromoacetic Acid	11.9	1.00	1.00	"	"	"	"	"	
Total Haloacetic Acids (HAA5)	15.1	10.0	10.0	"	"	"	"	"	
<i>Surrogate: 2,3-Dibromopropionic Acid</i>	<i>70.2 %</i>	% Recovery Limits		<i>70-130</i>					"
Wet Chemistry									
Color	ND	1.00	1.00	Color Units	AWC0106	03/11/13	03/11/13	SM2120B	
Specific Conductance (EC)	920	5.00	1.09	uS/cm	AWC0124	03/11/13	03/11/13	EPA 120.1	
MBAS	ND	0.100	0.0600	mg/L	AWC0108	03/12/13	03/12/13	SM5540C	
Odor	ND	1.00	1.00	T.O.N.	AWC0114	03/12/13	03/12/13	SM2150B	
pH	7.98	0.100	0.100	pH Units	AWC0120	03/11/13	03/11/13	SM 4500-H+ B	Field
Total Dissolved Solids	480	15.0	7.68	mg/L	AWC0268	03/17/13	03/22/13	SM 2540C	
Turbidity	0.1	0.1	0.02	NTU	AWC0107	03/12/13	03/12/13	EPA 180.1	

Excelchem Environmental Lab.



Laboratory Representative

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01 2013

Excelchem Environmental Labs

California State Prison: CA Rehabilitation Center 5th Street & Western Norco, CA 91760	Project: Drinking Water Project Number: [none] Project Manager: Singh Rai	Date Reported: 03/27/13 14:28
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Warehouse
1303122-05 (Drinking Water)

Analyte	Result	Reporting Limit	MDL	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
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Trihalomethanes by GC/MS

Total Trihalomethanes	89.8	0.5	0.5	ug/l	AWC0118	03/12/13	03/12/13	EPA 524	
Chloroform	1.6	0.5	0.1	"	"	"	"	"	
Bromodichloromethane	5.8	0.5	0.1	"	"	"	"	"	
Dibromochloromethane	23.5	0.5	0.08	"	"	"	"	"	
Bromoform	59.0	0.5	0.1	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	93.9 %	% Recovery Limits		70-130					"
<i>Surrogate: Toluene-d8</i>	99.1 %	% Recovery Limits		70-130					"
<i>Surrogate: 4-Bromofluorobenzene</i>	111 %	% Recovery Limits		70-130					"

Haloacetic Acids

Monochloroacetic Acid	ND	2.00	2.00	ug/l	AWC0270	03/21/13	03/23/13	EPA 552.2	
Monobromoacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Dichloroacetic Acid	1.58	1.00	1.00	"	"	"	"	"	
Trichloroacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Dibromoacetic Acid	8.83	1.00	1.00	"	"	"	"	"	
Total Haloacetic Acids (HAA5)	10.4	10.0	10.0	"	"	"	"	"	
<i>Surrogate: 2,3-Dibromopropionic Acid</i>	76.2 %	% Recovery Limits		70-130					"

Excelchem Environmental Lab.



Laboratory Representative

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

Q2 2013

STATE OF CALIFORNIA
DEPT. OF PUBLIC HEALTH

JUL 19 2013

Excelchem Environmental Labs

California State Prison: CA Rehabilitation Center 5th Street & Western Norco, CA 91760	Project: Drinking Water Project Number: [none] Project Manager: Singh Rai	Date Reported: 07/08/13 11:08
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**Warehouse
1306116-01 (Drinking Water)**

Analyte	Result	Reporting Limit	MDL	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
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Trihalomethanes by GC/MS

Total Trihalomethanes	112	0.5	0.5	ug/l	AWF0202	06/11/13	06/11/13	EPA 524	
Chloroform	1.2	0.5	0.1	"	"	"	"	"	
Bromodichloromethane	4.2	0.5	0.1	"	"	"	"	"	
Dibromochloromethane	18.9	0.5	0.08	"	"	"	"	"	
Bromoform	87.6	0.5	0.1	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>99.4 %</i>	% Recovery Limits		<i>70-130</i>					"
<i>Surrogate: Toluene-d8</i>	<i>97.4 %</i>	% Recovery Limits		<i>70-130</i>					"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>118 %</i>	% Recovery Limits		<i>70-130</i>					"

Haloacetic Acids

Monochloroacetic Acid	ND	2.00	2.00	ug/l	AWF0206	06/17/13	06/21/13	EPA 552.2	
Monobromoacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Dichloroacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Trichloroacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Dibromoacetic Acid	3.56	1.00	1.00	"	"	"	"	"	
Total Haloacetic Acids (HAA5)	ND	10.0	10.0	"	"	"	"	"	
<i>Surrogate: 2,3-Dibromopropionic Acid</i>	<i>44.9 %</i>	% Recovery Limits		<i>70-130</i>					<i>S-LOW</i>

Wet Chemistry

Color	ND	1.00	1.00	Color Units	AWF0135	06/11/13	06/11/13	SM2120B	
Specific Conductance (EC)	930	5.00	1.09	uS/cm	AWF0134	06/11/13	06/11/13	EPA 120.1	
MBAS	ND	0.100	0.0600	mg/L	AWF0149	06/12/13	06/12/13	SM5540C	
Odor	ND	1.00	1.00	T.O.N.	AWF0121	06/10/13	06/10/13	SM2150B	
pH	8.09	0.100	0.100	pH Units	AWF0133	06/11/13	06/11/13	SM 4500-H+ B	Field
Total Dissolved Solids	506	15.0	7.68	mg/L	AWF0175	06/12/13	06/14/13	SM 2540C	
Turbidity	0.2	0.1	0.02	NTU	AWF0126	06/11/13	06/11/13	EPA 180.1	

Excelchem Environmental Lab.



Laboratory Representative

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

Q 2 2013

Excelchem Environmental Labs

California State Prison: CA Rehabilitation Center 5th Street & Western Norco, CA 91760	Project: Drinking Water Project Number: [none] Project Manager: Singh Rai	Date Reported: 07/08/13 11:08
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**Unit IV
1306116-05 (Drinking Water)**

Analyte	Result	Reporting Limit	MDL	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
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Trihalomethanes by GC/MS

Total Trihalomethanes	32.5	0.5	0.5	ug/l	AWF0202	06/11/13	06/11/13	EPA 524	
Chloroform	1.2	0.5	0.1	"	"	"	"	"	
Bromodichloromethane	3.1	0.5	0.1	"	"	"	"	"	
Dibromochloromethane	9.0	0.5	0.08	"	"	"	"	"	
Bromoform	19.2	0.5	0.1	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>101 %</i>	% Recovery Limits		<i>70-130</i>					"
<i>Surrogate: Toluene-d8</i>	<i>95.0 %</i>	% Recovery Limits		<i>70-130</i>					"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>120 %</i>	% Recovery Limits		<i>70-130</i>					"

Haloacetic Acids

Monochloroacetic Acid	ND	2.00	2.00	ug/l	AWF0206	06/17/13	06/21/13	EPA 552.2	
Monobromoacetic Acid	1.19	1.00	1.00	"	"	"	"	"	
Dichloroacetic Acid	1.54	1.00	1.00	"	"	"	"	"	
Trichloroacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Dibromoacetic Acid	ND	1.00	1.00	"	"	"	"	"	
Total Haloacetic Acids (HAA5)	ND	10.0	10.0	"	"	"	"	"	
<i>Surrogate: 2,3-Dibromopropionic Acid</i>	<i>54.9 %</i>	% Recovery Limits		<i>70-130</i>					<i>S-LOW</i>

STATE OF CALIFORNIA
DEPT. OF ENVIRONMENTAL HEALTH

JUL 19 2013

Excelchem Environmental Lab.

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Laboratory Representative

TRUESDAIL LABORATORIES, INC.

EXCELLENCE IN INDEPENDENT TESTING



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REPORT

Client: California Rehabilitation Center

5th and Western Avenue

Norco, CA 91760

Attention: Singh Rai

Project Name: Weekly Routine

Project Number: Agmnt #5600003884

P.O. Number: 4400002277

Release Number:

Laboratory No. 809915

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Printed 10/1/2013

Samples Received on 9/11/2013 4:25:00 PM

Field ID	Lab ID	Collected	Matrix
Warehouse	809915-001	09/11/2013 09:20	W
Vistor Processing	809915-002	09/11/2013 08:45	W
Unit IV	809915-003	09/11/2013 07:45	W
Navy	809915-004	09/11/2013 10:00	W
Reservoir	809915-005	09/11/2013 10:40	W

Comments:

HAA5 by EPA 552.2 analyzed by Jeff Swallow. TTHMs by EPA 524.2 analyzed by Kevin Dooling. Total Coliform, HPC and MBAS analyzed by Maria Mangarova. TDS and Specific Conductivity analyzed by Jenny Tankunakorn. pH analyzed by Naheed Eidinejad. General Physical analyzed by Kim Luck.

Heterotrophic Plate Count HPC SM 9215B

Batch HPC-PCA 9/11/2013 CRC

Parameter	Unit	Analyzed	DF	MDL	RL	Result
809915-001 Plate Count	CFU/mL	09/13/2013 17:30	1.00	1.00	1.00	ND
809915-002 Plate Count	CFU/mL	09/13/2013 17:30	1.00	1.00	1.00	1
809915-004 Plate Count	CFU/mL	09/13/2013 17:30	1.00	1.00	1.00	ND
809915-005 Plate Count	CFU/mL	09/13/2013 17:30	1.00	1.00	1.00	ND



Client: California Rehabilitation Center

Project Name: Weekly Routine
Project Number: Agmnt #5600003884

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Printed 10/1/2013

EPA 524.2 - GC/MS

Batch TTHMs 809915

Table with 7 columns: Parameter, Unit, Analyzed, DF, MDL, RL, Result. Rows include Bromodichloromethane, Bromofluorobenzene, Bromoform, Chloroform, Dibromochloromethane, and Total Trihalomethanes for samples 809915-001 and 809915-003.

Coliform P/A Test - Colilert (18h)

Batch ColilertPA 9/11/2013 CRC

Table with 7 columns: Parameter, Unit, Analyzed, DF, MDL, RL, Result. Rows show Coliforms, Total for samples 809915-001 through 809915-005, all with results 'Absent'.

Residual Chlorine

Batch ResCl 09/11/2013

Table with 7 columns: Parameter, Unit, Analyzed, DF, MDL, RL, Result. Rows show Chlorine Residual for samples 809915-001 through 809915-005 with results ranging from 0.200 to 0.310.

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from Truesdall Laboratories.



Client: California Rehabilitation Center

Project Name: Weekly Routine

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Project Number: Agmt #5600003884

Printed 10/1/2013

EPA 552 HAA's

Batch 710552

Parameter	Unit	Analyzed	DF	MDL	RL	Result
809915-001 Dibromoacetic acid	ug/L	09/18/2013	1.00	0.226	1.00	4.58
Dibromopropionic Acid	%	09/18/2013	1.00	0	70.0	98.8
Dichloroacetic acid	ug/L	09/18/2013	1.00	0.342	1.00	ND
Monobromacetic acid	ug/L	09/18/2013	1.00	0.297	1.00	ND
Monochloroacetic acid	ug/L	09/18/2013	1.00	0.389	1.00	ND
Total Haloacetic Acids (HAA5)	ug/L	09/18/2013	1.00	0.844	1.00	4.58
Trichloroacetic acid	ug/L	09/18/2013	1.00	0.153	1.00	ND
809915-003 Dibromoacetic acid	ug/L	09/18/2013	1.00	0.226	1.00	14.2
Dibromopropionic Acid	%	09/18/2013	1.00	0	70.0	122
Dichloroacetic acid	ug/L	09/18/2013	1.00	0.342	1.00	ND
Monobromacetic acid	ug/L	09/18/2013	1.00	0.297	1.00	1.45
Monochloroacetic acid	ug/L	09/18/2013	1.00	0.389	1.00	ND
Total Haloacetic Acids (HAA5)	ug/L	09/18/2013	1.00	0.844	1.00	16.6
Trichloroacetic acid	ug/L	09/18/2013	1.00	0.153	1.00	ND

Method Blank

Parameter	Unit	DF	Result
Monochloroacetic acid	ug/L	1.00	ND
Dichloroacetic acid	ug/L	1.00	ND
Trichloroacetic acid	ug/L	1.00	ND
Monobromacetic acid	ug/L	1.00	ND
Dibromoacetic acid	ug/L	1.00	ND
Dibromopropionic Acid	%	1.00	82.9
Total Haloacetic Acids (HAA5)	ug/L	1.00	ND

Attachment No. 2

JUN 2012	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
1	24.7	76.5	1.07	33.8	92.8	0.97								
4	23.5	74.3	1.3	31.1	88.0	1.1								
5	23.3	73.9	1.43	34.1	93.4	1.09		0.47					0.46	
6	22.9	73.2	1.38	25.5	77.9	1.02								
7	24.1	75.4	1.36	33.3	91.9	1.5								
8	24.8	76.6	1.21	33	91.4	0.91								
11	23.7	74.7	1.26	32	89.6	1.07								
12	24.1	75.4	1.15	34.5	94.1	1.18		0.63		0.79	1			35
13	23.6	74.5	1.24	32.9	91.2	1.14								
14	23.2	73.8	1.17	30.5	86.9	1.23								
15	23.2	73.8	1.33	23.8	74.8	1.33								
18	23.8	74.8	1.26	32.9	91.2	1.12								
19	22.7	72.9	1.23	31.3	88.3	1.22		0.57					0.52	
20	22.8	73.0	1.29	30.7	87.3	1.4								
21	23.6	74.5	1.28	34.5	94.1	1.22								
22	24	75.2	1.22	26.4	79.5	0.99								
25	23.8	74.8	1.16	27	80.6	1.17								
26	24.6	76.3	1.45	33.3	91.9	1.04		0.8		0.37				
27	22.8	73.0	1.47	24.4	75.9	1.34								
28	22.7	72.9	1.39	23.6	74.5	1.38								
29	23.1	73.6	1.39	23.4	74.1	1.36								
Average	23.6	74.4	1.29	30.1	86.2	1.18								
Range	(22.7 - 24.8)	(72.9 - 76.6)	(1.07 - 1.47)	(23.4 - 34.5)	(74.1 - 94.1)	(0.91 - 1.5)								

JUL 2012	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
2	22.9	73.2	1.32	24.7	76.5	0.8		1.09					0.73	
3	22.4	72.3	1.21	27.9	82.2	1.09								
5	22.9	73.2	1.32	23.1	73.6	1.34								
6	23.2	73.8	1.32	23	73.4	1.35								
9	23.3	73.9	1.33	23.2	73.8	1.33		1.25		0.14				
10	23.8	74.8	1.31	23	73.4	1.32								
11	24.4	75.9	1.36	25	77.0	1.36								
12	21.1	70.0	1.13	23.8	74.8	1.4								
13	24.6	76.3	1.42	36.2	97.2	1.31								
16	24.5	76.1	1.3	27.6	81.7	1.32		1.07					1.03	
17	23.2	73.8	1.39	33.2	91.8	2.2								
18	23.6	74.5	1.42	24.8	76.6	1.37								
19	24.5	76.1	1.41	25.5	77.9	1.36								
20	24.3	75.7	1.35	31.1	88.0	1.06								
23				31.6	88.9	0.76		0.83		0.81				
24	23.6	74.5	1.38	31.1	88.0	0.93								
25	24.1	75.4	1.37	23.5	74.3	1.34								
26	23.8	74.8	1.33	32.4	90.3	1.05								
27	24	75.2	1.33	28.7	83.7	1.05								
30	24.3	75.7	1.38	28.7	83.7	0.83		0.8					0.54	
31	23	73.4	1.38	33.1	91.6	0.81								
Average	23.6	74.4	1.34	27.7	81.8	1.21								
Range	(21.1 - 24.6)	(70 - 76.3)	(1.13 - 1.42)	(23 - 36.2)	(73.4 - 97.2)	(0.76 - 2.2)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
AUG 2012	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
1	23.6	74.5	1.4	32.4	90.3	0.89								
2	24	75.2	1.34	32.1	89.8	0.85								
3	23.6	74.5	1.37	30.8	87.4	0.9								
6	23.8	74.8	1.36	32.7	90.9	1		0.71					0.68	
7	24.3	75.7	1.25	30.2	86.4	1.07								
8	24.6	76.3	1.26	25.8	78.4	1.29								
9	24.4	75.9	1.21	24.9	76.8	1.27								
10	26.2	79.2	0.94	31.7	89.1	0								
13	24.6	76.3	0.98	31.9	89.4	1.38		0.6		0.9				
14	26.5	79.7	1.01	31.8	89.2	1.45								
15	25.7	78.3	1.09	32.1	89.8	1.6								
16	27.7	81.9	1.01	32.1	89.8	1.61								
17	27	80.6	1.11	28.8	83.8	1.22								
20	26.7	80.1	1.09	33.5	92.3	1.64		0.8					0.71	
21	27.3	81.1	1.09	33.4	92.1	1.43								
22	29.5	85.1	1	33.6	92.5	1.56								
23	33.2	91.8	1.31	33.4	92.1	1.69								
24	32.8	91.0	1.21	33.2	91.8	1.27								
27	33.7	92.7	0.38	33.7	92.7	0.56		0.25		0.36				
28	29.2	84.6	0.74	34	93.2	0.51								
29	30.2	86.4	0.59	34.9	94.8	1.4								
30	33.4	92.1	1.06	34.3	93.7	1.33								
31	29	84.2	0.81	34.5	94.1	1.32								
Average	27.4	81.4	1.07	32.0	89.6	1.18								
Range	(23.6 - 33.7)	(74.5 - 92.7)	(0.38 - 1.4)	(24.9 - 34.9)	(76.8 - 94.8)	(0 - 1.69)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
SEPT 2012	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
4	34.4	93.9	1.3	34.7	94.5	1.38		0.48					0.58	
5	26	78.8	1.2	34.8	94.6	0.78								
6	33.1	91.6	1.16	34.2	93.6	1.27								
7	31.3	88.3	0.7	34.2	93.6	1.28								
10	32.3	90.1	0.5	34.7	94.5	1.26		0.54		0.36				
11	32.4	90.3	0.48	34.5	94.1	1.31								
12	32.2	90.0	0.54	34.3	93.7	1.31								
13	33.4	92.1	0.89	34.3	93.7	1.21								
14	31.6	88.9	0.36	32.9	91.2	0.57								
17	34.3	93.7	1.02	33.1	91.6	1.21		0.46			116		0.53	110.6
18	32.1	89.8	0.39	34.4	93.9	1.21								
19	31.5	88.7	0.47	34.1	93.4	1.14								
20	31.8	89.2	0.86	34.7	94.5	1.27								
21	31.7	89.1	0.78	34.2	93.6	1.24								
24	33.1	91.6	1.01	34.5	94.1	1.23		0.4		0.21				
25	32.1	89.8	0.79	33.6	92.5	1.18								
26	32.6	90.7	0.67	34.9	94.8	1.3								
27	33.9	93.0	0.99	33.3	91.9	1.17								
28	33.7	92.7	0.21	34.5	94.1	1.27								
Average	32.3	90.1	0.75	34.2	93.6	1.19								
Range	(26 - 34.3)	(78.8 - 93.9)	(0.21 - 1.3)	(32.9 - 34.9)	(91.2 - 94.8)	(0.57 - 1.38)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
OCT 2012	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
1	31.4	88.5	0.3	35.2	95.4	0.62		0.28					0.5	
2	34	93.2	0.78	34.5	94.1	1.03								
3	34.1	93.4	0.82	34.5	94.1	1.03								
4	33.7	92.7	0.94	33.7	92.7	1.17								
5	33.8	92.8	0.9	34.3	93.7	1.15								
8	34.3	93.7	0.96	33.8	92.8	1.04		0.38		0.27				
9	30.7	87.3	0.22	34.1	93.4	0.67								
10	30.5	86.9	0.19	34.1	93.4	0.67								
11	32.9	91.2	0.28	34.1	93.4	0.65								
12	33.2	91.8	0.4	33.9	93.0	0.82								
15	25.7	78.3	0.06	34.2	93.6	0.56		0.5					0.25	
16	28.5	83.3	0.61	34.5	94.1	0.5								
17	28.6	83.5	0.26	33.9	93.0	0.41								
18	28.9	84.0	0.19	34.4	93.9	0.4								
19	31.5	88.7	0.44	31.5	88.7	0.86								
22	31.9	89.4	0.76	31.7	89.1	0.84		0.3		0.22				
23	33.2	91.8	0.87	33.1	91.6	0.95								
24	33	91.4	0.96	33	91.4	1.09								
25	33.5	92.3	1.02	33.5	92.3	1.11								
26	32.9	91.2	0.62	34	93.2	0.92								
29	34.9	94.8	0.73	34.6	94.3	0.69		0.28					0.22	
30	32.6	90.7	0.86	32.9	91.2	0.94								
31	33	91.4	0.81	33	91.4	1.01								
Average	32.0	89.7	0.61	33.8	92.8	0.83								
Range	(25.7 - 34.9)	(78.3 - 94.8)	(0.06 - 1.02)	(31.5 - 35.2)	(88.7 - 95.4)	(0.4 - 1.17)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
NOV 2012	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
1	33.1	91.6	0.87	33.5	92.3	1.02								
2	31.7	89.1	0.54	33	91.4	0.69								
5	34.4	93.9	0.71	34.7	94.5	0.85		0.24					0.22	
6	33.1	91.6	0.74	33.5	92.3	0.84								
7	34.1	93.4	0.6	32.9	91.2	0.69								
8	32.3	90.1	0.53	33.1	91.6	0.68								
9	33.4	92.1	0.17			0.09								
13	35	95.0	0.7	33.1	91.6	0.71		0.51		0.49				
14	31.3	88.3	0.02	34.3	93.7	0.06								
15	29	84.2	0.2	32.4	90.3	0.01								
16	32.3	90.1	0.52	31.9	89.4	0.67								
19	33.3	91.9	0.63	31.9	89.4	0.73		0.82					0.83	
20	31.1	88.0	0.44	31.1	88.0	0.49								
26	27.9	82.2	0.02	31.4	88.5	0.7		0.99		0.37				
27	33.3	91.9	0.51	33.1	91.6	0.74								
28	28.4	83.1	0.47	33.1	91.6	0.64								
29	32.8	91.0	0.52	34.3	93.7	0.62								
30	25.3	77.5	0.25	26.3	79.3	0.17								
Average	31.8	89.2	0.47	32.6	90.6	0.58								
Range	(25.3 - 35)	(77.5 - 95)	(0.02 - 0.87)	(26.3 - 34.7)	(79.3 - 94.5)	(0.01 - 1.02)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
DEC 2012	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
3	33.4	92.1	0.65	33.6	92.5	0.72		0.43					0.37	
4	33.5	92.3	0.41	33.5	92.3	0.51								
5	24.3	75.7	0.13	24.7	76.5	0.11								
6	29.9	85.8	0.62	33.9	93.0	0.7								
7	30.2	86.4	0.26	33.2	91.8	0.54								
10	33	91.4	0.31	34.5	94.1	0.56		2.2		0.45				
11	31.6	88.9	0.31	32.6	90.7	0.53								
12	32.7	90.9	0.24	33.4	92.1	0.42								
13	32.9	91.2	0.13	34.1	93.4	0.32								
14	29.6	85.3	0.47	32.6	90.7	0.56								
17	24.6	76.3	0.01	25.2	77.4	0.04		0.01??			Missed		0.02	80.1
18	32.7	90.9	0.55	33.3	91.9	0.53								
19	22.1	71.8	0.03	23	73.4	0.02								
20	17.7	63.9	0.36	32.5	90.5	0.79								
21	16	60.8	0.35	32	89.6	0.63								
24	17.5	63.5	0.12	31.5	88.7	0.81								
26	17.6	63.7	0.12	22.2	72.0	0.48		1.6		0.11				
27	21.1	70.0	0.1	21	69.8	0.44								
28	14.1	57.4	0.53	32.2	90.0	0.82								
31	20.6	69.1	0.1	20.9	69.6	0.14								
Average	25.8	78.4	0.29	30.0	86.0	0.48								
Range	(14.1 - 33.5)	(57.4 - 92.3)	(0.01 - 0.65)	(20.9 - 34.5)	(69.9 - 94.1)	(0.02 - 0.82)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
JAN 2013	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
2	17.9	64.2	0.43	33.5	92.3	1.1		1.15					0.83	
3	14.8	58.6	0.41	32.7	90.9	0.76								
7	15.2	59.4	0.28	33.1	91.6	0.36		0.48		0.11				
8	16.9	62.4	0.17	32.2	90.0	0.49								
9	17.1	62.8	0.16	32.7	90.9	0.41								
10	18	64.4	0.18	31.1	88.0	0.62								
11	17.5	63.5	0.1	21.7	71.1	0.18								
14	11.8	53.2	0.32	29.8	85.6	0.65		1.6					1.3	
15	11.7	53.1	0.31	31.4	88.5	0.56								
16	11.9	53.4	0.3	31.8	89.2	0.51								
17	17.6	63.7	0.2	32.4	90.3	0.51								
18	17	62.6	0.21	31.6	88.9	0.74								
22	20.5	68.9	0.06	33.2	91.8	0.37								
23	21	69.8	0.05	31.6	88.9	0.48		1		0.69	44.6			
24	21.1	70.0	0.05	24	75.2	0.44								
25	20.4	68.7	0.05	22.5	72.5	0.45								
28	15.4	59.7	0.3	20.4	68.7	0.33		1.9					0.91	
29	15.3	59.5	0.3	19	66.2	0.71								
30	15.2	59.4	0.3	19.5	67.1	0.53								
31	15.4	59.7	0.30	19.5	67.1	0.73								
Average	16.6	61.9	0.22	28.2	82.7	0.55								
Range	(11.7 - 21.1)	(53.1 - 70)	(0.05 - 0.43)	(19 - 33.5)	(66.2 - 92.3)	(0.18 - 1.1)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
FEB 2013	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
1	14.8	58.6	0.72	19.5	67.1	0.81								
4	14.7	58.5	0.61	19.3	66.7	0.8		1.5		0.01				
5	13.7	56.7	0.86	20.1	68.2	0.72								
6	13.8	56.8	0.84	18.8	65.8	0.99								
7	14.6	58.3	0.31	18.9	66.0	0.52								
11	14.5	58.1	0.41	19.4	66.9	0.65		1.6					0.79	
12	12.9	55.2	0.86	17.1	62.8	0.82								
13	17.4	63.3	1.14	18.9	66.0	0.59								
14	17.2	63.0	0.89	16.6	61.9	0.85								
15	22.4	72.3	0.11	22.5	72.5	0.07								
19	31.9	89.4	1.2	32.7	90.9	1.4								
20	20.7	69.3	0.83	20.9	69.6	0.53		0.56		0.2				
21	19.3	66.7	0.89	21.9	71.4	0.4								
22	31.2	88.2	1.04	31.5	88.7	1.07								
25	33.3	91.9	0.79	32	89.6	0.85		1.1					0.27	
26	29.4	84.9	0.54	33.5	92.3	0.87								
27	23.7	74.7	0.71	31.6	88.9	0.75								
28	33.3	91.9	0.24	32.5	90.5	0.82								
Average	21.0	69.9	0.72	23.8	74.8	0.75								
Range	(12.9 - 33.3)	(55.2 - 91.9)	(0.11 - 1.2)	(16.6 - 33.5)	(61.9 - 92.3)	(0.07 - 1.4)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
MAR 2013	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
4	33.9	93.0	0.62	33.5	92.3	0.74		1.4		0.04				
5	32.9	91.2	0.74	33.6	92.5	0.77								
6	20.5	68.9	1.05	21.2	70.2	0.67								
7	19.8	67.6	1.4	21.5	70.7	0.69								
8	21.4	70.5	0.66	21.8	71.2	0.68								
11	32.5	90.5	1.43	32.2	90.0	1.58		1.3		0.2	89.8	0.41	87.3	
12	26.3	79.3	0.97	32.3	90.1	1.15								
13	21.7	71.1	1.1	32.7	90.9	0.71								
14	23.7	74.7	0.82	23.8	74.8	0.66								
15	20.6	69.1	0.05	30.2	86.4	2.2								
18	22.2	72.0	0.51	25	77.0	0.47		1.2		0.08				
19	18.8	65.8	0.68	24.3	75.7	0.44								
20	18.5	65.3	1.4	20.9	69.6	1.81								
21	31.9	89.4	1.27	32.3	90.1	1.46								
25	22.6	72.7	1.53	21.6	70.9	1.55		0.64		0.47				
26	20.2	68.4	1.57	21.7	71.1	0.96								
27	19.2	66.6	1.32	21.9	71.4	0.11								
28	28.8	83.8	1.57	34.5	94.1	1.53								
29	30	86.0	1.18	33.5	92.3	1.45								
Average	24.5	76.1	1.0	27.3	81.1	1.03								
Range	(18.5 - 33.9)	(65.3 - 93)	(0.05 - 1.57)	(20.9 - 34.5)	(69.6 - 94.1)	(0.11 - 2.2)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
APR 2013	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
2	28.6	83.5	0.7	31.3	88.3	0.83								
3	27.1	80.8	0.5	33.8	92.8	0.77		0.48					0.47	
4	23.7	74.7	0.21	34.6	94.3	0.71								
5	27.5	81.5	0.47	33.4	92.1	0.69								
8	27.2	81.0	0.35	33.2	91.8	0.59		0.57		0.37				
9	27.7	81.9	0.4	33	91.4	0.56								
10	26.1	79.0	0.32	35.4	95.7	0.59								
11	29.5	85.1	0.55	34.6	94.3	0.69								
15	26.1	79.0	0.9	26.2	79.2	0.2		0.52					0.51	
16	27.3	81.1	0.86	28.1	82.6	0.82								
17	24.5	76.1	0.72	33.3	91.9	0.83								
18	21.9	71.4	0.65	26	78.8	0								
19	26.4	79.5	0.58	34.1	93.4	0.64								
22	23.3	73.9	1.04	35.1	95.2	1.21		0.24		0.47				
23	23.5	74.3	0.64	34.1	93.4	0.63								
24	23	73.4	0.42	34.1	93.4	0.72								
25	24.6	76.3	0.56	33.4	92.1	0.52								
26	25.1	77.2	0.49	34.9	94.8	0.75								
29	26.3	79.3	0.21	34.6	94.3	0.5		0.48					0.42	
30	24.9	76.8	0.35	34.1	93.4	0.88								
Average	25.7	78.3	0.55	32.9	91.2	0.66								
Range	(21.9 - 29.5)	(71.4 - 85.1)	(0.21 - 1.04)	(26 - 35.4)	(78.8 - 95.7)	(0 - 1.21)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
MAY 2013	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
1	24.6	76.3	0.63	34.8	94.6	0.53								
2	28.1	82.6	0.53	35.3	95.5	0.72								
3	26.3	79.3	0.14	31.9	89.4	0.78								
6	26.9	80.4	0.24	32.2	90.0	0.8		0.69					0.61	
7	24.6	76.3	0.18	34.5	94.1	0.98								
8	26.2	79.2	0.11	34.6	94.3	0.73								
9	31.8	89.2	0.66	35.4	95.7	0.7								
10	27.2	81.0	0.46	34.8	94.6	0.04								
13	28.1	82.6	1.1	35.2	95.4	1.25		0.79		0.2				
14	30.8	87.4	1.45	32.9	91.2	1.45								
15	29.2	84.6	0.97	31.6	88.9	1.21								
16	26.1	79.0	0.26	34	93.2	1.21								
17	29.5	85.1	1.17	31.6	88.9	1.41								
20	27.9	82.2	0.3	33.1	91.6	1.39		0.97					0.56	
21	30.3	86.5	1.11	32.1	89.8	1.58								
22	30.5	86.9	1.28	33	91.4	1.63								
24	26.3	79.3	0.33	27	80.6	0.96								
28	31.8	89.2	1.76	32.5	90.5	1.52								
29	31.6	88.9	1	32.4	90.3	1.13		0.67		0.31				
30	33.1	91.6	0.98	34.2	93.6	1.31								
31	32.2	90.0	1.07	33	91.4	1.21								
Average	28.7	83.7	0.75	33.1	91.7	1.07								
Range	(24.6 - 33.1)	(76.3 - 91.6)	(0.11 - 1.76)	(37 - 35.4)	(80.6 - 95.7)	(0.04 - 1.63)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
JUN 2013	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
3								0.43					0.37	
4	32.9	91.2	1.06	33.2	91.8	1.36								
5	31.1	88.0	0.79	33.5	92.3	1.33								
6	33	91.4	0.97	33.7	92.7	1.23								
7	30.9	87.6	0.62	33.2	91.8	1.15								
10	31.1	88.0	0.2	32.9	91.2	1.11		0.65		0.21	112			32.5
11	29.6	85.3	0.23	33.8	92.8	1.03								
13	30.4	86.7	0.54	31	87.8	1.08								
14	28.7	83.7	0.1	33.8	92.8	0.99								
17	30	86.0	0.2	34	93.2	0.98		0.71					0.55	
18	32.6	90.7	0.59	34.6	94.3	0.9								
19	31.7	89.1	0.2	34.4	93.9	0.85								
24	32.6	90.7	0.5	34.5	94.1	0.67		0.67		0.36				
25	34.5	94.1	0.67	35.1	95.2	0.96								
26	30.9	87.6	0.23	36.2	97.2	1								
27	32.5	90.5	0.21	36.1	97.0	1.06								
28	33	91.4	0.24	35.3	95.5	0.71								
Average	31.6	88.9	0.46	34.1	93.3	1.03								
Range	(28.7 - 34.5)	(83.7 - 94.1)	(0.1 - 1.06)	(31 - 36.2)	(87.8 - 97.2)	(0.67 - 1.36)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
JUL 2013	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
1	28.7	83.7	0.08	32	89.6	0.14								
2	30.6	87.1	0.56	35.6	96.1	0.79								
3	35.9	96.6	0.9	33.4	92.1	0.8		0.72					0.75	
5	30.7	87.3	0.42	34.9	94.8	1.05								
8	29.2	84.6	0.67	35.6	96.1	0.67		0.51		0.27				
9	27.7	81.9	0.26	34.8	94.6	0.45								
10	28.5	83.3	0.47	34.2	93.6	0.46								
11	28	82.4	0.54	35.2	95.4	0.54								
15	33.5	92.3	0.56	28.4	83.1	0.28								
16	28.9	84.0	0.28	35.3	95.5	0.69								
17	30.4	86.7	0.34	31.5	88.7	0.52		0.45					0.34	
19	27.6	81.7	0.25	34.3	93.7	0.4								
22	31.2	88.2	0.21	34.6	94.3	0.56								
23	29.7	85.5	0.55	33.9	93.0	0.63								
24	29.1	84.4	0.35	34.7	94.5	1.21		0.21		0.29				
25	29.2	84.6	0.56	34.9	94.8	0.58								
29	29.4	84.9	0.25	35	95.0	0.81								
30	29.1	84.4	0.42	34.8	94.6	0.7								
31	29.3	84.7	0.15	34.7	94.5	0.74		0.57					0.25	
Average	29.8	85.7	0.41	34.1	93.4	0.63								
Range	(27.6 - 35.9)	(81.7 - 96.6)	(0.08 - 0.9)	(28.4 - 35.6)	(83.1 - 96.1)	(0.14 - 1.21)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
AUG 2013	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
1	31.4	88.5	0.59	33.4	92.1	0.77								
2	31.1	88.0	0.42	33.7	92.7	0.83								
5	35.6	96.1	0.42	35.6	96.1	1.01								
7	34.8	94.6	1.03	38.6	101.5	1.01		0.92					0.23	
8	32.4	90.3	0.36	35.7	96.3	1.05								
9	31	87.8	0.22	35.2	95.4	1.22								
12	28.2	82.8	0.16	34	93.2	0.15								
13	25.8	78.4	0.25	34.4	93.9	0.39								
14	26.4	79.5	0.36	32.8	91.0	0.37		3.4		3.2				
15	30	86.0	0.32	35	95.0	1.55								
19	30.7	87.3	0.17	35.2	95.4	1.33								
20	32.3	90.1	0.16	35.4	95.7	1.19								
21	30.4	86.7	0.21	36.2	97.2	0.94		0.2					0.52	
22	30.5	86.9	0.29	35.7	96.3	0.97								
23	31.3	88.3	0.26	35.6	96.1	2.11								
26	30.1	86.2	0.24	33	91.4	1.61								
27	33.2	91.8	0.45	35.8	96.4	1.08								
28	32.4	90.3	0.33	36.1	97.0	1.26		0.21		0.26				
29	32.8	91.0	0.31	35.9	96.6	1.65								
30	33.7	92.7	0.37	36.5	97.7	2.2								
Average	31.2	88.2	0.35	35.2	95.3	1.13								
Range	(25.8 - 35.6)	(78.4 - 96.1)	(0.6 - 1.03)	(32.8 - 38.6)	(91 - 101.5)	(0.15 - 2.2)								

	5th Street			Western			Reservoir 1		Warehouse			Unit IV		
SEP 2013	Temp (°C)	Temp (°F)	Cl2	Temp (°C)	Temp (°F)	Cl2	Temp (°F)	Cl2	Temp (°F)	Cl2	TTHM	Temp (°F)	Cl2	TTHM
3	35.5	95.9	0.73	35.7	96.3	1.99								
4	33.7	92.7	0.03	35	95.0	1.07		0.2					0.23	
5	33.1	91.6	0.23	35.8	96.4	0.9								
6	33	91.4	0.21	35	95.0	0.83								
9	32.7	90.9	0.23	36	96.8	1.22								
10	30.9	87.6	0.14	35.2	95.4	1.06								
11	35.8	96.4	0.14	36	96.8	0.96		0.23		0.2	115		0.21	168
12	23.6	74.5	0.63	35.4	95.7	1.03								
16	31.1	88.0	0.19	35.1	95.2	1.15								
17	30.2	86.4	0.28	35.2	95.4	1.1								
18	34.1	93.4	0.83	35.6	96.1	1.08		0.29					0.4	
19	34.8	94.6	0.78	34.1	93.4	1.12								
20	32.6	90.7	0.41	34.8	94.6	1.03								
23	30.7	87.3	0.09	34.9	94.8	1.41								
24	34.6	94.3	2.17	34.4	93.9	2.2								
25	33.3	91.9	2.05	36.2	97.2	1.34		0.33		0.5				
26	32.8	91.0	1.07	34.5	94.1	0.81								
27	32.4	90.3	0.66	33.3	91.9	0.86								
30	25.4	77.7	0.34	34.8	94.6	1								
Average	32.1	89.8	0.59	35.1	95.2	1.17								
Range	(23.6 - 35.8)	(74.5 - 96.4)	(0.03 - 2.17)	(33.3 - 36.2)	(91.9 - 97.2)	(0.81 - 2.2)								

Attachment No. 3

Drinking Water Notification to Consumers

PROOF OF NOTIFICATION

Name of Water System: _____

Please explain what caused the problem if you have determined what it was and what steps you have taken to correct it. _____

Consumers Notified _____ Yes _____ No

If not, Explain: _____

Date of Notification: _____

On the date of notification set forth above, I served the above referenced document(s) on the consumers by:

_____ Sending a copy through the U.S. Mail, first class, postage prepaid, addressed to each of the resident(s) at the place where the property is situated, pursuant to the California Civil Code. Attach copy of Notice.

_____ Newspaper (if the problem has been corrected). Attach a copy of Notice.

_____ Personally hand-delivering a copy to each of the consumers. Attach a copy of Notice.

_____ Posted on a public bulletin board, that will be seen by each of the consumers (for small, non-community water systems with prior Department approval). Attach copy of Notice.

I hereby declare the forgoing to be true and correct under penalty of perjury.

Dated: _____

Signature of Person Serving Notice

****Notice:** Complete this Proof of Notification and return it along with a copy of the notification to the Department within 10 days of receipt of giving public notice.

Disclosure: Be advised that the California Health and Safety Code states that any person who knowingly makes a false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violation for each day that violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by fine of not more than twenty-five thousand dollars (\$25,000) for each day of violation, or be imprisoned in county jail not to exceed one year or by both the fine and imprisonment.