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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-005**  
**Issued on September 12, 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. Title 22, California Code of Regulations (CCR), Section 64533(a): Specifically, CRC failed to comply with the Primary Maximum Contaminant Level (MCL) for

1 total trihalomethanes (TTHM) at the Warehouse sample site. For a public water  
2 system monitoring quarterly, each locational running annual average (LRAA),  
3 computed quarterly, shall not exceed the TTHM MCL of 0.080 mg/L (80 µg/L) for  
4 TTHM, consisting of chloroform, bromodichloromethane, dibromochloromethane,  
5 and bromoform. The TTHM LRAA computed for the Warehouse sample site was  
6 90.6 µg/L following the second quarterly sample collected June 10, 2013.

- 7
- 8 2. Title 22, CCR, Section 64537: Specifically, CRC failed to report the results of  
9 second quarter 2013 monitoring results to the Department within 10 days after the  
10 end of each quarter. The Department received a copy of the second quarter  
11 monitoring results on July 19, 2013.

12

13 **BACKGROUND**

14 The CRC water system is operated under Water Supply Permit No. 05-20-07P-004,  
15 issued by the Department on January 29, 2007. CRC serves water to approximately  
16 5,400 staff and inmates at the Rehabilitation Center in Norco, CA. Water is also  
17 supplied to the Center Force (Hospitality House), and the Department of Forestry  
18 (Camp Norco). CRC is located within the City of Norco in the northwestern portion of  
19 Riverside County, and receives all of its potable water from two service connections  
20 with the City of Norco (City). CRC has two reservoirs, one booster station at  
21 Reservoir No. 1, and a chlorination station also located at Reservoir No. 1. The well  
22 water provided by the City is disinfected with gas chlorine and contains a free chlorine  
23 residual ranging from 0.02 to 2.2 mg/L, with an average of 0.9 mg/L, as measured at  
24 the Western Ave. connection daily by CRC from June 2012 through June 2013. The  
25 water supplied by the City at the Fifth St. connection consists primarily of the City's  
26 well water, but may at times include some treated groundwater purchased from the  
27 Western Municipal Water District. From June 2012 through June 2013, the chlorine



1 residual in the water supplied through the Fifth St. connection ranged from 0.01 to  
2 1.76 mg/L, and averaged 0.75 mg/L. CRC has the capability to add liquid sodium  
3 hypochlorite to the water supply downstream of the Western St. connection to boost  
4 the chlorine residual levels in its distribution system when necessary. Chlorine  
5 residual levels measured in the distribution system weekly during routine  
6 bacteriological sampling from June 2012 through June 2013 ranged from 0.01 to 2.2  
7 mg/L, and averaged 0.59 mg/L.

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

20

## 21 **PREVIOUS ENFORCEMENT ACTIONS**

22 The following enforcement action was previously issued to this system for a similar  
23 violation:

24

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



1 **CHRONOLOGY OF EVENTS**

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

4  
5 **2<sup>nd</sup> Quarter 2012:** A dual-sample set was collected on June 2, 2012, at the Unit IV  
6 and Warehouse sample sites for the analyses of TTHM and HAA5. The TTHM and  
7 HAA5 levels in the Unit IV sample were 35.0 µg/L and 17.0 µg/L, respectively. The  
8 TTHM and HAA5 levels in the Warehouse samples were 1.0 µg/L and 1.8 µg/L,  
9 respectively.

10  
11 **3<sup>rd</sup> Quarter 2012:** A dual sample set was collected on September 19, 2012, at the  
12 Unit IV and Warehouse sample sites. The TTHM and HAA5 levels in the Unit IV  
13 sample were 110.6 µg/L and 13.6 µg/L, respectively. The TTHM and HAA5 levels in  
14 the Warehouse sample were 116.0 µg/L and 10.6 µg/L, respectively. CRC-Norco is in  
15 compliance with the TTHM MCL with a two-quarter average of 72.8 µg/L for the Unit  
16 IV site and 58.5 µg/L average for the Warehouse site.

17  
18 **4<sup>th</sup> Quarter 2012:** A dual sample set was collected on December 17, 2012, at the  
19 Unit IV sample site. The TTHM and HAA5 levels were 80.1 µg/L and 5.0 µg/L,  
20 respectively. The Warehouse site was not sampled because the operator did not  
21 have access to the facility at the time of sample collection. The Department issued  
22 CRC a notice of violation for the missed sample and instructed them to collect a  
23 replacement sample at the Warehouse site. The three-quarter TTHM and HAA5  
24 averages for the Unit IV site were 75.2 µg/L and 11.9 µg/L, respectively. The  
25 calculated TTHM and HAA5 operational evaluation levels (OELs) were 76.5 µg/L and  
26 10.2 µg/L, respectively.

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

6  
7 **1<sup>st</sup> Quarter 2013:** A dual sample set was collected on March 11, 2013, at the Unit IV  
8 and Warehouse sample sites. The TTHM and HAA5 levels in the Unit IV sample  
9 were 87.3 µg/L and 15.1 µg/L, respectively. The TTHM and HAA5 levels in the  
10 Warehouse sample were 89.3 µg/L and 10.4 µg/L, respectively. After four quarters of  
11 sampling, the TTHM locational running annual averages (LRAAs) for the Unit IV and  
12 Warehouse sample sites were 78.3 µg/L and 62.8 µg/L, respectively. The TTHM  
13 OELs for the Unit IV and Warehouse sites were 91.3 µg/L and 85.0 µg/L, respectively.  
14 Both sites were determined to have exceeded the TTHM OEL of 80 µg/L, triggering  
15 an operational evaluation of the system and operations to identify the cause of the  
16 OEL exceedances. The Department received a copy of the OEL report on June 13,  
17 2013.

18  
19 **2<sup>nd</sup> Quarter 2013:** A dual sample set was collected on June 10, 2013, at the Unit IV  
20 and Warehouse sample sites. The TTHM and HAA5 levels in the Unit IV sample  
21 were 32.5 µg/L and 2.7 µg/L, respectively. The resultant TTHM LRAA and OEL were  
22 77.6 µg/L and 58.1 µg/L, respectively. TTHM and HAA5 levels in the Warehouse  
23 sample were 112.0 µg/L and 3.6 µg/L, respectively, resulting in a TTHM LRAA of 90.6  
24 µg/L and a TTHM OEL of 89.6 µg/L. The quarterly monitoring results were received  
25 by the Department on July 19, 2013.

26

1 **DISCUSSION OF CONTRIBUTING PROBLEMS, SANITARY HAZARDS AND**  
2 **PUBLIC HEALTH SAFEGUARDS**

3 Due to CRC's aging distribution system and history of distribution system coliform  
4 detections, CRC is required to maintain an adequate residual disinfectant level  
5 throughout the distribution system at all times (Provision No. 12 of CRC's Water  
6 Supply Permit No. 05-20-07P-004). Directives from previous citations required CRC  
7 to maintain a chlorine residual of at least 0.2 mg/L in at least 95 percent of the  
8 samples collected monthly. According to available historical monitoring data, chlorine  
9 residuals in the distribution system vary significantly, and have ranged from 0.14 to  
10 1.03 mg/L at different routine bacteriological sampling sites within the same hour.

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 CRC attributes to  
14 aging pipes, faulty valves, and high temperature water supplied by the City. Although  
15 the distribution system is looped in general, there appears to be low-use areas that  
16 contribute to the occurrence of stagnant water. CRC has tried to improve the  
17 circulation of water throughout the system by installing a second connection with the  
18 City on the north side of the property (on Fifth Street) in 2010.

19  
20 Since the Fifth Street Intertie was activated in June 2010, CRC continues to  
21 experience significant chlorine demand in the system resulting in total coliform MCL  
22 violations. In 2011, CRC failed to meet the chlorine residual requirement for 11  
23 months straight, resulting in total coliform MCL violations on four separate occasions.  
24 CRC was out of compliance with the chlorine residual requirement for 5 of the 18  
25 months from January 2012 through June 2013; however, did not incur a total MCL  
26 violation during this period. During 2012, distribution system chlorine residual levels  
27 ranged from 0.01 to 2.2 mg/L and averaged 0.52 mg/L for the year. Distribution



1 system chlorine residuals ranged from 0.01 to 1.9 mg/L, with an average of 0.63  
2 mg/L, for the first 6 months of 2013.

3

4 The Warehouse sample site is located downstream of the Fifth St. connection;  
5 therefore, should be directly supplied by City water received through this connection.  
6 CRC samples both connections daily for chlorine residual and temperature. On the  
7 day of DBPR sample collection in June 2013, the chlorine residual and temperature  
8 measured at the Fifth St. connection were 0.2 mg/L and 88°F, respectively. The  
9 residual measured at the Fifth St. connection is consistent with the 0.21 mg/L residual  
10 measured at the Warehouse sample site. However, CRC's records indicate that the  
11 chlorine residual at the Warehouse site was 0.2 mg/L when measured during DBPR  
12 sample collection in March 2013, while the Fifth St. connection contained a residual of  
13 1.43 mg/L with a water temperature of 90.5°F. Summary tables provided as  
14 [Attachment No. 2](#) comparing the residual measurements taken at the Warehouse site  
15 at the time of routine bacteriological sample collection with the residual  
16 measurements taken at the Fifth St. connection show the extent of chlorine demand in  
17 the system.

18

19 CRC attributes the high TTHM results to insufficient chlorine residual levels in the  
20 water supplied by the City as a result of elevated water temperatures, causing CRC to  
21 add chlorine in order to maintain a detectable residual throughout the system. The  
22 existing chlorination operation appears to be ineffective in keeping up with the  
23 chlorine demand in the system and is likely contributing to TTHM formation. The  
24 Department shares CRC's concerns with the temperature of the water it receives from  
25 the City, and continues to work with the City to address this issue. While there is a  
26 correlation between high water temperature and decreased chlorine residual levels,  
27 the water temperature is not the sole cause of CRC's water quality problems.



1 The condition of the infrastructure also contributes to the high chlorine demand, and  
2 consequently affects CRC's ability to maintain an effective residual throughout the  
3 system. There may be areas in the system where water is stagnant, or low usage  
4 may contribute to increased water age. CRC's attempts at flushing to circulate the  
5 water and chlorine throughout the system may also contribute to TTHM formation.  
6 Flushing can cause the release of organic matter present in the pipe scales into the  
7 water supply to react with chlorine to form DBPs. CRC's operational and  
8 infrastructural deficiencies are identified in the January 2000 Water Engineering  
9 Report and Master Plan (Master Plan) prepared by Robert Bein, William Frost and  
10 Associates, and in the Hydraulic Modeling Report prepared by Winzler & Kelly, dated  
11 March 8, 2011. CRC is tasked with trying to maintain a balance between providing  
12 enough disinfectant residual to control bacteriological growth in the distribution system  
13 without contributing to DBP formation. CRC can reduce hydraulic residence time and  
14 disinfectant loss by completing some of the physical system improvements identified  
15 in the above-mentioned reports such as replacing inoperable or faulty valves, or  
16 eliminating dead-ends in the system.

17

18 CRC must conduct a more in-depth operational evaluation of its system's operations,  
19 including reviewing source water quality, disinfection practices, reservoir operations,  
20 and flushing records to determine what changes are necessary to mitigate the DBP  
21 issue. We understand that CRC has limited resources; therefore, should consider  
22 consulting with the City for assistance with this evaluation. Since the only source of  
23 domestic water available to CRC is the City's water supply, CRC must work  
24 cooperatively with the City to determine the cause of the DBP problems and find  
25 feasible solutions to minimize DBP formation and reduce levels in the water served.

26 Please note that any design work for water system infrastructure improvements shall  
27 be performed by State-licensed professional engineers with experience in water

1 system design. Please keep the Department apprised on the status of any water  
2 system improvement projects.

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. Within 60 days of receipt of this Citation, CRC shall provide an operational  
2 evaluation report documenting the findings of CRC's in-depth review of system  
3 operations and possible contributing factors to increased DBP formation.  
4

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

6  
7 J. Steven Williams, P.E.  
8 District Engineer  
9 Department of Public Health  
10 Division of Drinking Water and Environmental Management  
11 1350 Front Street, Room 2050  
12 San Diego, CA 92101  
13

14 **CIVIL PENALTY**

15 Section 116650 (e) of the H&S Code allows for the assessment of a civil penalty for  
16 violation of a primary drinking water standard, or failure to comply with a Department  
17 issued citation or order. Failure to comply with any provision of this Citation will result  
18 in the Department imposing an administrative penalty of up to \$1,000.00 (One  
19 thousand dollars) per day as of the date of violation of any provision of this Citation.  
20  
21  
22  
23

24  
25 9-12-2013

26 Date

27 J. Steven Williams

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

1 Attachments:

2

3

1. Quarterly DBP Monitoring Results (June 2012 - June 2013)

4

2. Chlorine Residual and Temperature Summary Tables (June 2012 – June 2013)

5

6

3. Proof of Notification Form

7

8

cc: County of Riverside, Department of Environmental Health

9

10

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

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

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17

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

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Attachment No. 1

System Name: California Rehabilitation Center - Norco System No.: 3310800 Year: 2013 Quarter: 1 2013 TTHM MCL = 0.080 mg/L or 80 ug/L

Year	2012				2013				LRAA (b)				OEL (a)				LRAA (b)			
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
Sample Date (month/day)	6/12	9/17	12/17		3/11	6/10			91.3	58.1			78.3	77.6						
Monitoring Location																				
1 Unit IV	35.0	110.6	80.1	76.5	72.8	75.2	75.2	35.0	32.5	87.3	85.0	89.6	85.0	89.6						
2 Warehouse	1.0	116.0	44.6	51.5	58.5	53.9	53.9	1.0	112.0	89.8	89.8	112.0	89.8	90.6						
3																				
4																				
Number of Samples Taken	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							
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																				

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

Year	2012				2013				LRAA (b)				OEL (a)				LRAA (b)			
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
Sample Date (month/day)	6/12	9/17	12/17		3/11	6/10			12.2	5.0	6.9		12.7	8.4	9.1					
Monitoring Location																				
1 Unit IV	17.0	13.6	5.0	10.2	15.3	11.9	11.9	17.0	0.0	2.7		15.1	0.0	2.7						
2 Warehouse	1.8	10.6	5.9	6.0	6.2	6.1	6.1	1.8	0.0	3.0		10.4	0.0	3.0						
3																				
4																				
Number of Samples Taken	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							
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																				

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

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

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

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.

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  
STATE OF CALIFORNIA DEPT OF PUBLIC HEALTH JUL 19 2013

Signature: Date: 7/19/13

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
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
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
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
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**

<b>Total Trihalomethanes</b>	<b>80.1</b>	0.5	0.5	ug/l	AVL0222	12/18/12	12/18/12	EPA 524	
<b>Chloroform</b>	<b>1.4</b>	0.5	0.1	"	"	"	"	"	
<b>Bromodichloromethane</b>	<b>4.0</b>	0.5	0.1	"	"	"	"	"	
<b>Dibromochloromethane</b>	<b>13.4</b>	0.5	0.08	"	"	"	"	"	
<b>Bromoform</b>	<b>61.4</b>	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	"	"	"	"	"	
<b>Dibromoacetic Acid</b>	<b>5.02</b>	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	
<b>Specific Conductance (EC)</b>	<b>970</b>	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	
<b>pH</b>	<b>7.56</b>	0.100	0.100	pH Units	AVL0204	12/18/12	12/18/12	SM 4500-H+ B	Field
<b>Total Dissolved Solids</b>	<b>528</b>	15.0	7.68	mg/L	AVL0306	12/23/12	12/27/12	SM 2540C	
<b>Turbidity</b>	<b>0.2</b>	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**

<b>Total Trihalomethanes</b>	<b>44.6</b>	0.5	0.5	ug/l	AWA0303	01/24/13	01/24/13	EPA 524	
<b>Chloroform</b>	<b>1.5</b>	0.5	0.1	"	"	"	"	"	
<b>Bromodichloromethane</b>	<b>3.7</b>	0.5	0.1	"	"	"	"	"	
<b>Dibromochloromethane</b>	<b>10.5</b>	0.5	0.08	"	"	"	"	"	
<b>Bromoform</b>	<b>29.0</b>	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	"	"	"	"	"	
<b>Dibromoacetic Acid</b>	<b>5.85</b>	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	
<b>Specific Conductance (EC)</b>	<b>845</b>	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	
<b>pH</b>	<b>8.03</b>	0.100	0.100	pH Units	AWA0306	01/24/13	01/24/13	SM 4500-H+ B	Field
<b>Total Dissolved Solids</b>	<b>471</b>	15.0	7.68	mg/L	AWA0329	01/24/13	01/27/13	SM 2540C	
<b>Turbidity</b>	<b>0.7</b>	0.1	0.02	NTU	AWA0297	01/24/13	01/24/13	EPA 180.1	

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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
<b>Trihalomethanes by GC/MS</b>									
<b>Total Trihalomethanes</b>	<b>87.3</b>	0.5	0.5	ug/l	AWC0118	03/12/13	03/12/13	EPA 524	
<b>Chloroform</b>	<b>1.4</b>	0.5	0.1	"	"	"	"	"	
<b>Bromodichloromethane</b>	<b>5.5</b>	0.5	0.1	"	"	"	"	"	
<b>Dibromochloromethane</b>	<b>22.5</b>	0.5	0.08	"	"	"	"	"	
<b>Bromoform</b>	<b>58.0</b>	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>					"
<b>Haloacetic Acids</b>									
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	"	"	"	"	"	
<b>Total Haloacetic Acids (HAA5)</b>	<b>15.1</b>	10.0	10.0	"	"	"	"	"	
<i>Surrogate: 2,3-Dibromopropionic Acid</i>	<i>70.2 %</i>	% Recovery Limits		<i>70-130</i>					"
<b>Wet Chemistry</b>									
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

<b>Total Trihalomethanes</b>	89.8	0.5	0.5	ug/l	AWC0118	03/12/13	03/12/13	EPA 524	
<b>Chloroform</b>	1.6	0.5	0.1	"	"	"	"	"	
<b>Bromodichloromethane</b>	5.8	0.5	0.1	"	"	"	"	"	
<b>Dibromochloromethane</b>	23.5	0.5	0.08	"	"	"	"	"	
<b>Bromoform</b>	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	"	"	"	"	"	
<b>Total Haloacetic Acids (HAA5)</b>	10.4	10.0	10.0	"	"	"	"	"	
<i>Surrogate: 2,3-Dibromopropionic Acid</i>	76.2 %	% Recovery Limits		70-130					"

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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**

<b>Total Trihalomethanes</b>	<b>112</b>	0.5	0.5	ug/l	AWF0202	06/11/13	06/11/13	EPA 524	
<b>Chloroform</b>	<b>1.2</b>	0.5	0.1	"	"	"	"	"	
<b>Bromodichloromethane</b>	<b>4.2</b>	0.5	0.1	"	"	"	"	"	
<b>Dibromochloromethane</b>	<b>18.9</b>	0.5	0.08	"	"	"	"	"	
<b>Bromoform</b>	<b>87.6</b>	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	"	"	"	"	"	
<b>Dibromoacetic Acid</b>	<b>3.56</b>	1.00	1.00	"	"	"	"	"	
<b>Total Haloacetic Acids (HAA5)</b>	<b>ND</b>	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	
<b>Specific Conductance (EC)</b>	<b>930</b>	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	
<b>pH</b>	<b>8.09</b>	0.100	0.100	pH Units	AWF0133	06/11/13	06/11/13	SM 4500-H+ B	Field
<b>Total Dissolved Solids</b>	<b>506</b>	15.0	7.68	mg/L	AWF0175	06/12/13	06/14/13	SM 2540C	
<b>Turbidity</b>	<b>0.2</b>	0.1	0.02	NTU	AWF0126	06/11/13	06/11/13	EPA 180.1	

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**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**

<b>Total Trihalomethanes</b>	<b>32.5</b>	0.5	0.5	ug/l	AWF0202	06/11/13	06/11/13	EPA 524	
<b>Chloroform</b>	<b>1.2</b>	0.5	0.1	"	"	"	"	"	
<b>Bromodichloromethane</b>	<b>3.1</b>	0.5	0.1	"	"	"	"	"	
<b>Dibromochloromethane</b>	<b>9.0</b>	0.5	0.08	"	"	"	"	"	
<b>Bromoform</b>	<b>19.2</b>	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	
<b>Monobromoacetic Acid</b>	<b>1.19</b>	1.00	1.00	"	"	"	"	"	
<b>Dichloroacetic Acid</b>	<b>1.54</b>	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>

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Laboratory Representative

Attachment No. 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.