



### IBWA STANDARD OF QUALITY REPORT

**Customer name** EARL ISING INC DBA ISING'S CULLIGAN  
**Customer Address** 2252 RAILROAD AVE  
**Customer city, state** LIVERMORE, CA  
**Sample Date**  
**Sample Description** PURIFIED WATER 3 GAL  
**Date reviewed** 5/12/2011

Page 1 of 11

**Sample I.D.** 1103210  
**Report Date** 5/12/2011

#### Inorganic Chemicals (IOCs)

| CAS ID#    | COMPOUNDS          | RESULT | SOQ | MRL  | Units | Method |
|------------|--------------------|--------|-----|------|-------|--------|
| 7440-36-0  | Antimony (Sb)      | N.D.   | 6   | 2    | ug/l  | 200.8  |
| 7440-38-2  | Arsenic (As)       | N.D.   | 10  | 2    | ug/l  | 200.8  |
| 7940-41-7  | Beryllium (Be)     | N.D.   | 4   | 0.1  | ug/L  | 200.8  |
|            | Bromate by ICP     | N.D.   | 10  |      | ug/l  | 321.8  |
| 7440-43-9  | Cadmium (Cd)       | N.D.   | 5   | 0.1  | ug/l  | 200.8  |
|            | chloramine         | 0.000  | 4   |      | mg/L  | 999.9  |
|            | Chlorine, Total    | 0.0    | 0.1 |      | mg/l  | 999.9  |
|            | chlorinedioxide    | 0.010  | 0.8 |      | mg/L  | 999.9  |
|            | chlorite           | N.D.   |     |      | mg/L  |        |
| 7440-47-3  | Chromium (Cr)      | N.D.   | 50  | 0.5  | ug/l  | 200.8  |
| 16984-48-8 | Fluoride (F)       | N.D.   | 3   | 0.05 | mg/l  | 300.0  |
| 7439-92-1  | Lead (Pb)          | N.D.   | 5   | 1    | ug/l  | 200.8  |
| 7439-97-6  | Mercury (Hg)       | N.D.   | 1   | 0.2  | ug/l  | 245.1  |
| 7440-02-0  | Nickel (Ni)        | N.D.   | 100 | 10   | ug/l  | 200.8  |
|            | Nitrate As N (NO3) | N.D.   | 10  | 0.5  | mg/l  | 300.0  |
|            | Nitrite As N (NO2) | N.D.   | 1   | 0.1  | mg/l  | 300.0  |
|            | Perchlorate by IC  | N.D.   | 2   |      | ug/L  | 314.1  |
| 7782-49-2  | Selenium (Se)      | N.D.   | 10  | 2    | ug/l  | 200.8  |
| 7440-28-0  | Thallium (Tl)      | N.D.   | 2   | 1    | ug/l  | 200.8  |

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## IBWA STANDARD OF QUALITY REPORT

### Secondary Inorganic Parameters

| CAS ID#   | COMPOUNDS        | RESULT | SOQ  | MRL   | Units | Method |
|-----------|------------------|--------|------|-------|-------|--------|
| 7429-90-5 | Aluminum (Al)    | N.D.   | 200  | 2     | ug/l  | 200.8  |
|           | Chloride (Cl)    | N.D.   | 250  | 0.5   | mg/l  | 300.0  |
| 7440-50-8 | Copper (Cu)      | N.D.   | 1    | 0.003 | mg/l  | 200.7  |
|           | Est TDS by Cond. | 2.     | 500  |       | ppm   | 999.9  |
| 7439-89-6 | Iron (Fe)        | N.D.   | 0.3  | 0.05  | mg/l  | 200.7  |
| 7439-96-5 | Manganese (Mn)   | N.D.   | 0.05 | 0.02  | mg/l  | 200.7  |
| 7440-22-4 | Silver (Ag)      | N.D.   | 25   | 0.1   | ug/l  | 200.8  |
|           | Sulfate (SO4)    | N.D.   | 250  | 3     | mg/l  | 300.0  |
| 7440-66-6 | Zinc (Zn)        | N.D.   | 5    | 0.05  | mg/l  | 200.7  |

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| <b>Volatile Organic Chemicals (VOCs)</b> |                           |        |     |     |       |        |
|--|---------------------------|--------|-----|-----|-------|--------|
| CAS ID#                                  | COMPOUNDS                 | RESULT | SOQ | MRL | Units | Method |
| 630-20-6                                 | 1,1,1,2-Tetrachloroethane | N.D.   |     |     | ppb   | 524    |
| 71-55-6                                  | 1,1,1-Trichloroethane     | N.D.   | 30  | 1   | ppb   | 524    |
| 75-34-3                                  | 1,1-Dichloroethane        | N.D.   |     |     | ppb   | 524    |
| 75-35-4                                  | 1,1-Dichloroethene        | N.D.   | 2   | 1   | ppb   | 524    |
|  | 1,1-Dichloropropane       | N.D.   |     |     | ppb   | 524    |
| 563-58-6                                 | 1,1-Dichloropropene       | N.D.   |     |     | ppb   | 524    |
|  | 1,2,3-Trichlorobenzene    | N.D.   |     |     | ppb   | 524    |
| 96-18-4                                  | 1,2,3-Trichloropropane    | N.D.   |     |     | ppb   | 524    |
| 120-82-1                                 | 1,2,4-Trichlorobenzene    | N.D.   | 9   | 1   | ppb   | 524    |
|  | 1,2,4-Trimethylbenzene    | N.D.   |     |     | ppb   | 524    |
| 96-12-8                                  | 1,2-Dibromo-3-chloropropa | N.D.   |     |     | ppb   | 524    |
| 95-50-1                                  | 1,2-Dichlorobenzene       | N.D.   |     |     | ppb   | 524    |
| 107-06-2                                 | 1,2-Dichloroethane        | N.D.   | 2   | 1   | ppb   | 524    |
| 78-87-5                                  | 1,2-Dichloropropane       | N.D.   | 5   | 1   | ppb   | 524    |
| 79-00-5                                  | 1,2-Trichloroethane       | N.D.   |     |     | ppb   | 524    |
|  | 1,3,5-Trimethylbenzene    | N.D.   |     |     | ppb   | 524    |
| 541-73-1                                 | 1,3-Dichlorobenzene       | N.D.   |     |     | ppb   | 524    |
| 142-28-9                                 | 1,3-Dichloropropane       | N.D.   |     |     | ppb   | 524    |
| 106-46-7                                 | 1,4-Dichlorobenzene       | N.D.   |     |     | ppb   | 524    |
| 590-20-7                                 | 2,2-Dichloropropane       | N.D.   |     |     | ppb   | 524    |
| 95-49-8                                  | 2-Chlorotoluene           | N.D.   |     |     | ppb   | 524    |
| 591-78-6                                 | 2-Hexanone                | N.D.   |     |     | ppb   | 524    |
| 106-43-4                                 | 4-Chlorotoluene           | N.D.   |     |     | ppb   | 524    |
| 67-64-1                                  | Acetone                   | N.D.   |     |     | ppb   | 524    |

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### Volatile Organic Chemicals (VOCs)

| CAS ID#    | COMPOUNDS                  | RESULT | SOQ | MRL | Units | Method |
|------------|----------------------------|--------|-----|-----|-------|--------|
| 71-43-2    | Benzene                    | N.D.   | 1   | 1   | ppb   | 524    |
| 108-86-1   | Bromobenzene               | N.D.   |     |     | ppb   | 524    |
| 74-97-5    | Bromochloromethane         | N.D.   |     |     | ppb   | 524    |
| 75-27-4    | Bromodichloromethane       | N.D.   |     |     | ppb   | 524    |
| 75-25-2    | Bromoform                  | N.D.   |     |     | ppb   | 524    |
| 74-83-9    | Bromomethane               | N.D.   |     |     | ppb   | 524    |
| 75-15-0    | Carbon Disulfide           | N.D.   |     |     | ppb   | 524    |
| 56-23-5    | Carbon Tetrachloride       | N.D.   | 5   | 1   | ppb   | 524    |
| 108-90-7   | Chlorobenzene              | N.D.   |     |     | ppb   | 524    |
| 75-00-3    | Chloroethane               | N.D.   |     |     | ppb   | 524    |
| 67-66-3    | Chloroform                 | N.D.   |     |     | ppb   | 524    |
| 74-87-3    | Chloromethane              | N.D.   |     |     | ppb   | 524    |
| 156-59-4   | Cis-1,2-Dichloroethene     | N.D.   | 70  | 1   | ppb   | 524    |
| 10061-01-5 | cis-1,3-Dichloropropene    | N.D.   |     |     | ppb   | 524    |
| 124-48-1   | Dibromochloromethane       | N.D.   |     |     | ppb   | 524    |
| 74-95-3    | Dibromomethane             | N.D.   |     |     | ppb   | 524    |
| 75-71-8    | Dichlorochlorodifluorometh | N.D.   |     |     | ppb   | 524    |
| 75-09-2    | Dichloromethane            | N.D.   |     |     | ppb   | 524    |
| 100-41-4   | Ethylbenzene               | N.D.   | 700 | 1   | ppb   | 524    |
| 74-88-4    | Iodomethane                | N.D.   |     |     | ppb   | 524    |
| 98-82-8    | Isopropylbenzene           | N.D.   |     |     | ppb   | 524    |
|            | m,p-Xylene                 | N.D.   |     |     | ppb   | 524    |
| 78-93-3    | Methyl Ethyl Ketone        | N.D.   |     |     | ppb   | 524    |
| 108-10-1   | Methyl Isobutyl Ketone     | N.D.   |     |     | ppb   | 524    |

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| Volatile Organic Chemicals (VOCs) |                           |        |      |     |       |        |
|-----------------------------------|---------------------------|--------|------|-----|-------|--------|
| CAS ID#                           | COMPOUNDS                 | RESULT | SOQ  | MRL | Units | Method |
|                                   | n-Butylbenzene            | N.D.   |      |     | ppb   | 524    |
|                                   | n-Propylbenzene           | N.D.   |      |     | ppb   | 524    |
| 95-47-6                           | o-Xylene                  | N.D.   |      |     | ppb   | 524    |
|                                   | p-iso-Propyltoluene       | N.D.   |      |     | ppb   | 524    |
|                                   | sec-Butylbenzene          | N.D.   |      |     | ppb   | 524    |
| 100-42-5                          | Styrene                   | N.D.   | 100  | 1   | ppb   | 524    |
| 127-18-4                          | Tetrachloroethene         | N.D.   | 1    | 1   | ppb   | 524    |
| 108-88-3                          | Toluene                   | N.D.   | 1000 | 1   | ppb   | 524    |
| 156-60-5                          | Trans-1,2-Dichloroethene  | N.D.   | 100  | 1   | ppb   | 524    |
| 10061-02-6                        | trans-1,3-Dichloropropene | N.D.   |      |     | ppb   | 524    |
| 79-01-6                           | Trichloroethene           | N.D.   | 1    | 1   | ppb   | 524    |
| 75-69-4                           | Trichlorofluoromethane    | N.D.   |      |     | ppb   | 524    |
| 108-05-4                          | Vinyl Acetate             | N.D.   |      |     | ppb   | 524    |
| 75-01-4                           | Vinyl Chloride            | N.D.   | 2    | 1   | ppb   | 524    |

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Sample I.D. 1103210  
Report Date 5/12/2011

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Page 6 of 11

### Synthetic Organic Chemicals (SOCs)

| CAS ID# | COMPOUNDS                  | RESULT | SOQ | MRL | Units | Method |
|---------|----------------------------|--------|-----|-----|-------|--------|
|         | Synthetic organic chemical | N.D.   |     |     |       | 999.9  |

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Certifications: CA-06249CA; IL-100213; NY-11756; MT-CERT0091; TX-TX269-2007A  
IA-369; VT-VT02199 NELAP Accredited

Richard Cook  
Manager Analytical Laboratory

## IBWA STANDARD OF QUALITY REPORT

### Additional Regulated Contaminants

| CAS ID#   | COMPOUNDS                 | RESULT | SOQ | MRL | Units | Method |
|-----------|---------------------------|--------|-----|-----|-------|--------|
| 79-34-5   | 1,1,2,2-Tetrachloroethane | N.D.   | 1   |     | ppb   | 524    |
| 1634-04-4 | Methyl t-butyl ether      | N.M.   | 70  |     | ppb   | 524    |
| 91-20-3   | Naphthalene               | N.D.   | 300 |     | ppb   | 524    |
| 7440-61-1 | Uranium by ICP MS         | N.D.   | 30  |     | ug/L  | 200.8  |

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## IBWA STANDARD OF QUALITY REPORT

### Water Properties

| CAS ID# | COMPOUNDS            | RESULT | SOQ     | MRL | Units | Method |
|---------|----------------------|--------|---------|-----|-------|--------|
|         | Color After Acidific | N.M.   | 5       | 5   |       | 999.9  |
|         | Color As Received    | N.D.   | 5       | 5   |       | 999.9  |
|         | Conductivity         | 1.     |         |     | MMHOS | 999.9  |
|         | pH                   | 4.7    | 5 - 8.5 |     |       | 150.1  |
|         | Turb After Filtered  | N.M.   | 0.5     |     | NTU   | 180.1  |
|         | Turbidity As Rec'd   | 0.2    | 0.5     |     | NTU   | 180.1  |

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## IBWA STANDARD OF QUALITY REPORT

### Radiological Contaminants

| CAS ID# | COMPOUNDS          | RESULT | SOQ | MRL | Units | Method |
|---------|--------------------|--------|-----|-----|-------|--------|
|         | Gross Alpha Beta U | N.M.   |     |     |       | 999.9  |

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## IBWA STANDARD OF QUALITY REPORT

| <b>Hardness</b> |                |        |     |     |       |        |
|-----------------|----------------|--------|-----|-----|-------|--------|
| CAS ID#         | COMPOUNDS      | RESULT | SOQ | MRL | Units | Method |
| 7440-70-2       | Calcium (Ca)   | N.D.   |     | 0.1 | mg/l  | 200.7  |
| 7439-95-4       | Magnesium (Mg) | N.D.   |     | 0.1 | mg/l  | 200.7  |
| 7440-23-5       | Sodium (Na)    | N.D.   |     | 0.1 | mg/l  | 200.7  |
|                 | Total Hardness | N.D.   |     | 0.6 | mg/l  | 200.7  |

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## IBWA STANDARD OF QUALITY REPORT

| <b>Uncategorized</b> |                  |             |     |      |       |        |
|----------------------|------------------|-------------|-----|------|-------|--------|
| CAS ID#              | COMPOUNDS        | RESULT      | SOQ | MRL  | Units | Method |
|                      | Bromide by ICP   | Not Present |     |      | ug/L  | 321.8  |
|                      | Chlorine, Free   | 0.0         |     |      | mg/l  |        |
|                      | Haloacetic Acids | N.D.        |     |      | ppm   |        |
|                      | M for Alkalinity | 0.0         |     |      | ppm   | 999.9  |
|                      | P for Alkalinity | N.M.        |     |      | ppm   | 999.9  |
|                      | pesticide_herb   | N.D.        |     |      |       | 999.9  |
| 7440-09-7            | Potassium (K)    | N.D.        |     | 0.1  | mg/l  | 200.7  |
| 7440-24-6            | Strontium (Sr)   | N.D.        |     | 0.05 | mg/l  | 200.7  |
|                      | Tannins mg/l     | N.D.        |     | 2    | mg/l  | 999.9  |

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pH – the acid strength of water on a scale of 0 to 14 (neutral = pH 7.0). Values from 7→0 are increasingly more acidic; values from 7→14 are increasingly more alkaline. The recommended range for drinking water under the U.S. regulations is 6.5 to 8.5.

Conductivity – the relative ability of water to carry an electrical current, used to estimate the total concentration of dissolved ions.

Turbidity – cloudiness in water caused by the dispersion of light by extremely tiny particles. Measured on an arbitrary scale of Nephelometric Turbidity Units (NTUs). The mandatory maximum under U.S. regulations is 0.5 NTU.

Color – the amount of brownish-yellow color from dissolved tannins from vegetation (like tea) and metals (like rust) and their combinations, measured on an arbitrary scale. The recommended maximum under U.S. regulations is 15 CU.

Silica, SiO<sub>2</sub> – a naturally occurring dissolved mineral, which produces a glassy scale in high temperature equipment but is more important in predicting the life of certain water treatment media.

Hydrogen Sulfide, H<sub>2</sub>S – a toxic, noxious, corrosive gas that smells like rotten eggs. Bacteria acting on sulfate or organic sulfur-containing materials in the absence of oxygen produce it. Only “special” water analyses can determine hydrogen sulfide levels.

Total Hardness – the sum of all metal ions which react with soap to inhibit sudsing and form “scum” or “bathtub ring” – mostly Calcium and Magnesium. When heated or evaporated, hard water can cause lime scale that can deposit on sink and shower fixtures and walls and result in loss in efficiency or fuel waste in water heaters, boilers, and cooling systems.

Total Alkalinity – the sum of hydroxide (OH<sup>-</sup>), carbonate (CO<sub>3</sub><sup>-2</sup>), and bicarbonate (HCO<sub>3</sub><sup>-</sup>) ions, which can combine with both acids and bases, which act to buffer water and prevent sudden uncontrolled changes in pH.

Cations – ions (atoms or molecules with an electrical charge) with a positive (+) electrical charge, so named because they go toward the cathode in an electric field. Besides the hardness ions, the main cations in water are sodium, Na<sup>+</sup>, and potassium, K<sup>+</sup>.

Anions – ions (atoms or molecules with an electrical charge) with a negative (-) electrical charge, so named because they go toward the anode in an electric field. The main anions in water are hydroxide (OH<sup>-</sup>), carbonate (CO<sub>3</sub><sup>-2</sup>), bicarbonate (HCO<sub>3</sub><sup>-</sup>) (which together comprise “alkalinity”), sulfate (SO<sub>4</sub><sup>-2</sup>), nitrate (NO<sub>3</sub><sup>-</sup>) and chloride (Cl<sup>-</sup>).

Nitrate/Nitrite, NO<sub>3</sub><sup>-</sup>/NO<sub>2</sub><sup>-</sup> – important because of toxicity to infants, nitrate comes from fertilizers and animal wastes. Water supplies with high nitrate levels should also be screened for agricultural pesticides and bacterial contamination. The mandatory limit under U.S. regulations is 10 mg/L.

Sulfate, SO<sub>4</sub><sup>-2</sup> – a common mineral component, only rarely occurring at excessive levels, which can cause a temporary diarrhea in visitors who have not become acclimated to it. Recommended U.S. limit, 250 mg/L.

Fluoride, F<sup>-</sup> – often added to water to inhibit tooth decay. Mandatory U.S. limits range from 4.0 mg/L in northern regions to 1.4 mg/L in southern regions (where more water is consumed).

Chloride, Cl<sup>-</sup> – a common mineral component, can be found in elevated levels near seawater and other salt supplies, which can cause taste problems and can contribute to corrosion. Recommended U.S. limit, 250 mg/L.

Iron, Fe – cause of metallic taste, rust stains on laundry and porcelain fixtures, and clogging/fouling of equipment. The recommended U.S. limit is 0.3 mg/L.

Manganese, Mn – cause of metallic taste and black stains on laundry and porcelain. Often occurs in combination with iron. The recommended U.S. limit is 0.05 mg/L Mn or a total of 0.3 mg/L of Fe + Mn.

Copper, Cu – cause of green stains on porcelain and fittings, seldom naturally -occurring, usually due to corrosion. The mandatory U.S. “action level” of 1.3 mg/L is tied to the regulation for lead contamination due to corrosion of plumbing materials.

Zinc, Zn – cause of metallic taste and upset stomach. Due to corrosion of galvanized plumbing materials. Recommended U.S. limit, 5.0 mg/L.

#### Units of Concentration used in this Report

gpg-abbreviation for “grains per gallon” calculated in terms of calcium carbonate equivalents. Multiply by 17.12 to convert gpg into either ppm or mg/L.

ppm-abbreviation for “parts per million.” Interchangeable with mg/L.

mg/L-abbreviation for “milligrams per liter.” Interchangeable with ppm. (There are one million milligrams in a liter of pure water).

ppb-abbreviation for “parts per billion.” Interchangeable with µg/L or micrograms per liter.

µg/L-abbreviation for “micrograms per liter.” Interchangeable with ppb. (There are a billion micrograms in a liter).

$$1000 \text{ ppb} = 1 \text{ ppm}; 1000 \text{ µg/L} = 1 \text{ mg/L}$$

THIS ANALYSIS WILL NOT DETERMINE WHETHER A WATER IS SAFE FOR HUMAN CONSUMPTION

BW

1103210

**Ising's Culligan**  
2252 Railroad Ave.  
P.O. Box 591  
Livermore, CA 94551  
925-447-3717  
Fax 925-447-4252

04-335

**ANNUAL BOTTLE WATER TEST**

**2011**

Earl Ising Inc DBA Ising's Culligan  
2252 Railroad Ave  
PO Box 591  
Livermore, CA 94551  
925-447-3717  
925-447-4252 Fax  
[chrisi@isingsculligan.com](mailto:chrisi@isingsculligan.com)

Type Water - Purified

3 gal



Burlington WA  
Corporate Office

1629 S Walnut St - 28233  
800 755 9295 • 360.757 1460

Bellingham WA  
Microbiology

805 W Orchard Dr Ste 4 - 98226  
360 871 0698

Portland OR

Microbiology/Chemistry

9180 SW Pioneer Ct Ste W - 97070  
503 682 7802



## IBWA STANDARD OF QUALITY REPORT

Client Name: Culligan International Company  
9399 W. Higgins Rd. Suite B2  
Rosemont, IL 60018

Reference Number: **11-06656**

Project: 1103209-1103211

Field ID: 1103210

Sample Description: 1103210

Sampled By: Daniela Irima

Sample Date: 05/03/2011

Lab Number: 14493

Report Date: 05/11/2011

Reviewed By:

### Inorganic Chemicals (IOCs)

| CAS ID# | COMPOUNDS | RESULT | SOQ | MRL   | Units | Method      | Analyzed | COMMENT |
|---------|-----------|--------|-----|-------|-------|-------------|----------|---------|
| 57-12-5 | CYANIDE   | ND     | 0.1 | 0.040 | mg/L  | SM4500-CN F | 5/6/11   |         |

Notation:

A Result of "ND" indicates that the compound was not detected above the Lab's Reporting Limit - MRL.  
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An \* in front of the parameter name indicates it is not NELAP accredited but it is accredited through WSDOH or USEPA Region 10

These test results meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples.  
If you have any questions concerning this report contact us at the above phone number.

Reference Number: **11-06656**Lab Number: **14493**Report Date: **05/11/2011****IBWA STANDARD OF QUALITY REPORT**

Page 2 of 4

**Synthetic Organic Chemicals (SOCs)**

| CAS ID#    | COMPOUNDS                       | RESULT | SOQ  | MRL  | Units | Method | Analyzed | COMMENT |
|------------|---------------------------------|--------|------|------|-------|--------|----------|---------|
| 93-72-1    | * 2,4,5 - TP (SILVEX)           | ND     | 10   | 0.4  | ug/L  | 515.4  | 5/9/11   |         |
| 94-75-7    | * 2,4 - D                       | ND     | 70   | 0.2  | ug/L  | 515.4  | 5/9/11   |         |
| 15972-60-8 | ALACHLOR                        | ND     | 2    | 0.4  | ug/L  | 525.2  | 5/5/11   |         |
| 116-06-3   | ALDICARB                        | ND     | 3    | 1    | ug/L  | 531.2  | 5/4/11   |         |
| 1646-88-4  | ALDICARB SULFONE                | ND     | 3    | 1    | ug/L  | 531.2  | 5/4/11   |         |
| 1646-87-3  | ALDICARB SULFOXIDE              | ND     | 4    | 1    | ug/L  | 531.2  | 5/4/11   |         |
| 1912-24-9  | ATRAZINE                        | ND     | 3    | 0.2  | ug/L  | 525.2  | 5/5/11   |         |
| 1563-66-2  | CARBOFURAN                      | ND     | 40   | 1    | ug/L  | 531.2  | 5/4/11   |         |
| 57-74-9    | CHLORDANE                       | ND     | 2    | 0.4  | ug/L  | 508.1  | 5/5/11   |         |
| 96-12-8    | DIBROMOCHLOROPROPANE (DBCP)     | ND     | 0.2  | 0.04 | ug/L  | 504.1  | 5/10/11  |         |
| 88-85-7    | * DINOSEB                       | ND     | 7    | 0.4  | ug/L  | 515.4  | 5/9/11   |         |
| 72-20-8    | ENDRIN                          | ND     | 2    | 0.02 | ug/L  | 525.2  | 5/5/11   |         |
| 106-93-4   | ETHYLENE DIBROMIDE (EDB)        | ND     | 0.05 | 0.02 | ug/L  | 504.1  | 5/10/11  |         |
| 76-44-8    | HEPTACHLOR                      | ND     | 0.4  | 0.08 | ug/L  | 525.2  | 5/5/11   |         |
| 1024-57-3  | HEPTACHLOR EPOXIDE "B"          | ND     | 0.2  | 0.04 | ug/L  | 525.2  | 5/5/11   |         |
| 58-89-9    | LINDANE (BHC - GAMMA)           | ND     | 0.2  | 0.04 | ug/L  | 525.2  | 5/5/11   |         |
| 72-43-5    | METHOXYCHLOR                    | ND     | 40   | 0.2  | ug/L  | 525.2  | 5/5/11   |         |
| 23135-22-0 | OXYMAL (VYDATE)                 | ND     | 200  | 1    | ug/L  | 531.2  | 5/4/11   |         |
| 87-86-5    | * PENTACHLOROPHENOL             | ND     | 1    | 0.08 | ug/L  | 515.4  | 5/9/11   |         |
| 1918-02-1  | * PICLORAM                      | ND     | 500  | 0.2  | ug/L  | 515.4  | 5/9/11   |         |
| 1336-36-3  | POLYCHLORINATED BIPHENYLS (PCB) | ND     | 0.5  | 0.2  | ug/L  | 508.1  | 5/5/11   |         |
| 75-99-0    | * DALAPON                       | ND     | 200  | 2    | ug/L  | 515.4  | 5/9/11   |         |
| 122-34-9   | SIMAZINE                        | ND     | 4    | 0.15 | ug/L  | 525.2  | 5/5/11   |         |
| 8001-35-2  | TOXAPHENE                       | ND     | 3    | 1    | ug/L  | 508.1  | 5/5/11   |         |
| 85-00-7    | DIQUAT                          | ND     | 20   | 2    | ug/L  | 549.2  | 5/9/11   |         |
| 145-73-3   | ENDOTHALL                       | ND     | 100  | 20   | ug/L  | 548.1  | 5/10/11  |         |
| 1071-83-6  | GLYPHOSATE                      | ND     | 700  | 10   | ug/L  | 547    | 5/9/11   |         |
| 50-32-8    | BENZO(A)PYRENE                  | ND     | 0.2  | 0.04 | ug/L  | 525.2  | 5/5/11   |         |
| 103-23-1   | DI(ETHYLHEXYL)-ADIPATE          | ND     | 400  | 1.3  | ug/L  | 525.2  | 5/5/11   |         |
| 118-74-1   | HEXACHLOROBENZENE               | ND     | 1    | 0.2  | ug/L  | 525.2  | 5/5/11   |         |
| 77-47-4    | HEXACHLOROCYCLO-PENTADIENE      | ND     | 50   | 0.2  | ug/L  | 525.2  | 5/5/11   |         |
| 117-81-7   | DI(ETHYLHEXYL)-PHTHALATE        | ND     | 6    | 1.3  | ug/L  | 525.2  | 5/5/11   |         |

## Notation:

A Result of "ND" indicates that the compound was not detected above the Lab's Reporting Limit - MRL.  
SOQ - Standard of Quality, maximum permissible level of a contaminant in water established by EPA, NPDRW or IBWA.  
MRL - Method Reporting Limit

An \* in front of the parameter name indicates it is not NELAP accredited but it is accredited through WSDOH or USEPA Region 10.

These test results meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples.



Reference Number: **11-06656**

Lab Number: **14493**

Report Date: **05/11/2011**

## IBWA STANDARD OF QUALITY REPORT

Page 3 of 4

### Halo-Acetic Acids

| CAS ID#  | COMPOUNDS               | RESULT | SOQ | MRL | Units | Method | Analyzed | COMMENT |
|----------|-------------------------|--------|-----|-----|-------|--------|----------|---------|
| 79-11-8  | * Monochloroacetic Acid | ND     |     | 2   | mg/L  | 552.3  | 5/6/11   |         |
| 79-43-6  | * Dichloroacetic Acid   | ND     |     | 1   | mg/L  | 552.3  | 5/6/11   |         |
| 76-03-9  | * Trichloroacetic Acid  | ND     |     | 1   | mg/L  | 552.3  | 5/6/11   |         |
| 79-08-3  | * Monobromoacetic Acid  | ND     |     | 1   | mg/L  | 552.3  | 5/6/11   |         |
| 631-64-1 | * Dibromoacetic Acid    | ND     |     | 1   | mg/L  | 552.3  | 5/6/11   |         |
| NA       | * HAA(5)                | ND     | 60  | 1   | mg/L  | 552.3  | 5/6/11   |         |

Notation:

A Result of "ND" indicates that the compound was not detected above the Lab's Reporting Limit - MRL

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Reference Number: **11-06656**  
Lab Number: **14493**  
Report Date: **05/11/2011**

## IBWA STANDARD OF QUALITY REPORT

Page 4 of 4

### Other

| CAS ID#   | COMPOUNDS                | RESULT | SOQ | MRL | Units | Method | Analyzed | COMMENT |
|-----------|--------------------------|--------|-----|-----|-------|--------|----------|---------|
| 5589-96-3 | * Bromochloroacetic Acid | ND     |     | 1   | mg/L  | 552.3  | 5/6/11   |         |

Notation:

A Result of "ND" indicates that the compound was not detected above the Lab's Reporting Limit - MRL.  
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MRL - Method Reporting Limit

An \* in front of the parameter name indicates it is not NELAP accredited but it is accredited through WSDOH or USEPA Region 10.

These test results meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples.