

## Colorado River Basin Regional Water Quality Control Board

### NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA OCTOBER 2025 WATER QUALITY DATA

#### FIELD MEASUREMENTS

| DATE       | TIME    | TEMP              | PH                | D.O.                | SPECIFIC CONDUCTIVITY |
|------------|---------|-------------------|-------------------|---------------------|-----------------------|
| (MM/DD/YY) | (HH:MM) | (°C) <sup>1</sup> | S.U. <sup>2</sup> | (mg/L) <sup>3</sup> | (µS/cm) <sup>4</sup>  |
| 10/21/25   | 10:45   | 22                | 7.71              | 4.01                | 4,377                 |

#### FIELD OBSERVATIONS

10/21/25 10:49 –Ambient air temperature is 82°F. Cloudy sky. Wind speed is 3 miles per hour. Water color is green. No foam. No odor.

#### BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN EI CENTRO, CA

| DATE       | TIME    | FECAL COLIFORM                       |
|------------|---------|--------------------------------------|
| (MM/DD/YY) | (HH:MM) | (MPN/100 ML) <sup>5</sup>            |
| 10/21/25   | 11:00   | >16,000 (1:10 dilution) <sup>6</sup> |
| 10/21/25   | 11:00   | >16,000 (1:10 dilution)              |
| 10/21/25   | 11:00   | 160,000 (1:100 dilution)             |
| 10/21/25   | 11:00   | 160,000 (1:100 dilution)             |

<sup>1</sup> Water temperature is reported in units of degrees Celsius (°C).

<sup>2</sup> pH is reported in standard units.

<sup>3</sup> Dissolved oxygen (D.O.) is reported in units of milligrams per liter.

<sup>4</sup> Specific conductivity is reported in units of microSiemens per centimeter.

<sup>5</sup> Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.

<sup>6</sup> Fecal coliform is greater than upper reporting limit.

**CHEMICAL ANALYSIS RESULTS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

| DATE       | CONSTITUENT             | METHOD         | REPORTING<br>LIMIT  | CONCENTRATION        |
|------------|-------------------------|----------------|---------------------|----------------------|
| (MM/DD/YY) |                         |                | (mg/L) <sup>7</sup> | (mg/L)               |
| 10/21/25   | Ammonia as Nitrogen     | SM 4500 NH3 HG | 0.5                 | 20                   |
| 10/21/25   | Ammonia as Nitrogen     | SM 4500 NH3 HG | 0.5                 | 20                   |
| 10/21/25   | Total Kjeldahl Nitrogen | EPA 351.2      | 2.5                 | 24                   |
| 10/21/25   | Total Kjeldahl Nitrogen | EPA 351.2      | 2.5                 | 23                   |
| 10/21/25   | Total Phosphorous       | SM 4500-P E    | 0.50                | 3.1                  |
| 10/21/25   | Total Phosphorous       | SM 4500-P E    | 0.50                | 3.1                  |
| 10/21/25   | Total Suspended Solids  | SM 2540 D      | 0.9                 | 20                   |
| 10/21/25   | BOD <sup>8</sup>        | SM 5210 B      | 5.0                 | 16 <sup>9</sup>      |
| 10/21/25   | BOD                     | SM 5210 B      | 5.0                 | 15 <sup>9</sup>      |
| 10/21/25   | Arsenic                 | EPA 200.8      | 0.005               | 0.0083               |
| 10/21/25   | Arsenic                 | EPA 200.8      | 0.005               | 0.0081               |
| 10/21/25   | Selenium                | EPA 200.8      | 0.005               | 0.0025 <sup>10</sup> |
| 10/21/25   | Selenium                | EPA 200.8      | 0.005               | 0.0031 <sup>10</sup> |

<sup>7</sup> The concentrations are reported in units of milligrams per liter.

<sup>8</sup> Biochemical Oxygen Demand.

<sup>9</sup> Dilution water blank exceeds 0.20 mg/L. As per method, data is reportable as qualified.

<sup>10</sup> Estimated value.

**ORGANO-PHOSPHORUS PESTICIDE ANALYSIS RESULTS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

| DATE            | CONSTITUENT            | METHOD                   | REPORTING<br>LIMIT   | CONCENTRATION    |
|-----------------|------------------------|--------------------------|----------------------|------------------|
| (MM/DD/YY)      |                        |                          | (µg/L) <sup>11</sup> | (µg/L)           |
| 10/21/25        | Aspon                  | EPA<br>8270C SIM         | 0.050                | ND <sup>12</sup> |
| 10/21/25        | Atrazine               | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Azinphos-ethyl         | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Azinphos-methyl        | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Bolstar                | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Carbophenothion        | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Chlorfenvinphos        | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Chlorpyrifos           | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Chlorpyrifos<br>Mehtyl | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Coumaphos              | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Crotoxyphos            | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Demeton-o              | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Demeton-s              | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Diazinon               | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Dichlofenthion         | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Dichlorvos             | EPA<br>8270C SIM         | 0.050                | ND               |
| 10/21/25        | Dichrotophos           | EPA<br>8270C SIM         | 0.050                | ND               |
| <b>10/21/25</b> | <b>Dimethoate</b>      | <b>EPA<br/>8270C SIM</b> | <b>0.050</b>         | <b>0.068</b>     |
| 10/21/25        | Dioxathion             | EPA<br>8270C SIM         | 0.050                | ND               |

<sup>11</sup> The concentrations are reported in units of micrograms per liter.<sup>12</sup> Analyte is not detected at or above the Reporting Limit.

**ORGANO-PHOSPHORUS PESTICIDE ANALYSIS RESULTS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

| DATE       | CONSTITUENT     | METHOD           | REPORTING<br>LIMIT   | CONCENTRATION    |
|------------|-----------------|------------------|----------------------|------------------|
| (MM/DD/YY) |                 |                  | (µg/L) <sup>11</sup> | (µg/L)           |
| 10/21/25   | Disulfoton      | EPA<br>8270C SIM | 0.050                | ND <sup>12</sup> |
| 10/21/25   | EPN             | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Ethion          | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Ethoprop        | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Ethyl Parathion | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Famphur         | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Fenitrothion    | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Fensulfothion   | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Fenthion        | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Fonophos        | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Leptophos       | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Malathion       | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Merphos         | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Mevinphos       | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Monocrotophos   | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Naled           | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Phorate         | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Phosmet         | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Phosphamidon    | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Ronnel          | EPA<br>8270C SIM | 0.050                | ND               |

**ORGANO-PHOSPHORUS PESTICIDE ANALYSIS RESULTS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

| DATE       | CONSTITUENT   | METHOD           | REPORTING<br>LIMIT   | CONCENTRATION    |
|------------|---------------|------------------|----------------------|------------------|
| (MM/DD/YY) |               |                  | (µg/L) <sup>11</sup> | (µg/L)           |
| 10/21/25   | Simazine      | EPA<br>8270C SIM | 0.050                | ND <sup>12</sup> |
| 10/21/25   | Stirofos      | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Sulfotepp     | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | TEPP          | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Terbufos      | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Thionazin     | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Tokuthion     | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Trichlorfon   | EPA<br>8270C SIM | 0.050                | ND               |
| 10/21/25   | Trichloronate | EPA<br>8270C SIM | 0.050                | ND               |

**VOLATILE ORGANIC COMPOUNDS ANALYSIS RESULTS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

| DATE       | CONSTITUENT               | METHOD       | REPORTING<br>LIMIT   | CONCENTRATION    |
|------------|---------------------------|--------------|----------------------|------------------|
| (MM/DD/YY) |                           |              | (µg/L) <sup>11</sup> | (µg/L)           |
| 10/21/25   | 1,1,1,2-Tetrachloroethane | EPA<br>8260B | 0.50                 | ND <sup>12</sup> |
| 10/21/25   | 1,1,1-Trichloroethane     | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,1,2,2-Tetrachloroethane | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,1,2-Trichloroethane     | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,1-Dichloroethane        | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,1-Dichloroethene        | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,1-Dichloropropene       | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,2,3-Trichlorobenzene    | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,2,3-Trichloropropane    | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,2,4-Trichlorobenzene    | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,2,4-Trimethylbenzene    | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,2-Dichlorobenzene       | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,2-Dichloroethane        | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,2-Dichloropropane       | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,3,5-Trimethylbenzene    | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,3-Dichlorobenzene       | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,3-Dichloropropane       | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 1,4-Dichlorobenzene       | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 2,2-Dichloropropane       | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | 2-Butanone(MEK)           | EPA<br>8260B | 3.0                  | ND               |

# **VOLATILE ORGANIC COMPOUNDS ANALYSIS RESULTS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

| DATE            | CONSTITUENT                | METHOD               | REPORTING<br>LIMIT   | CONCENTRATION            |
|-----------------|----------------------------|----------------------|----------------------|--------------------------|
| (MM/DD/YY)      |                            |                      | (µg/L) <sup>11</sup> | (µg/L)                   |
| 10/21/25        | 2-Chlorotoluene            | EPA<br>8260B         | 0.50                 | ND <sup>12</sup>         |
| 10/21/25        | 4-Chlorotoluene            | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | 4-Methyl-2-Pentanone(MIBK) | EPA<br>8260B         | 5.0                  | ND                       |
| 10/21/25        | Acrolein                   | EPA<br>8260B         | 10                   | ND                       |
| 10/21/25        | Acrylonitrile              | EPA<br>8260B         | 10                   | ND                       |
| 10/21/25        | Benzene                    | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Bromobenzene               | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Bromochloromethane         | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Bromodichloromethane       | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Bromoform                  | EPA<br>8260B         | 1.0                  | ND                       |
| 10/21/25        | Bromomethane               | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Carbon Tetrachloride       | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Chlorobenzene              | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Chloroethane               | EPA<br>8260B         | 0.50                 | ND                       |
| <b>10/21/25</b> | <b>Chloroform</b>          | <b>EPA<br/>8260B</b> | <b>0.50</b>          | <b>0.39<sup>10</sup></b> |
| 10/21/25        | Chloromethane              | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | cis-1,2-Dichloroethene     | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | cis-1,3-Dichloropropene    | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Dibromochloromethane       | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Dibromomethane             | EPA<br>8260B         | 0.50                 | ND                       |

**VOLATILE ORGANIC COMPOUNDS ANALYSIS RESULTS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

| DATE            | CONSTITUENT                    | METHOD               | REPORTING<br>LIMIT   | CONCENTRATION            |
|-----------------|--------------------------------|----------------------|----------------------|--------------------------|
| (MM/DD/YY)      |                                |                      | (µg/L) <sup>11</sup> | (µg/L)                   |
| 10/21/25        | Dichlorodifluoromethane        | EPA<br>8260B         | 0.50                 | ND <sup>12</sup>         |
| 10/21/25        | Diisopropyl ether              | EPA<br>8260B         | 3.0                  | ND                       |
| 10/21/25        | Ethyl tert-butyl ether         | EPA<br>8260B         | 3.0                  | ND                       |
| 10/21/25        | Ethylbenzene                   | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Hexachlorobutadiene            | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Isopropylbenzene               | EPA<br>8260B         | 0.50                 | ND                       |
| <b>10/21/25</b> | <b>Methyl tert Butyl Ether</b> | <b>EPA<br/>8260B</b> | <b>5.0</b>           | <b>0.45<sup>10</sup></b> |
| 10/21/25        | Methylene Chloride             | EPA<br>8260B         | 3.0                  | ND                       |
| 10/21/25        | Naphthalene                    | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | n-Butylbenzene                 | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | n-Propylbenzene                | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | sec-Butylbenzene               | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Styrene                        | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | tert-Amyl Methyl Ether         | EPA<br>8260B         | 3.0                  | ND                       |
| 10/21/25        | Tert-butyl alcohol             | EPA<br>8260B         | 50                   | ND                       |
| 10/21/25        | tert-Butylbenzene              | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Tetrachloroethene              | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | Toluene                        | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | trans-1,2-Dichloroethene       | EPA<br>8260B         | 0.50                 | ND                       |
| 10/21/25        | trans-1,3-Dichloropropene      | EPA<br>8260B         | 0.50                 | ND                       |

**VOLATILE ORGANIC COMPOUNDS ANALYSIS RESULTS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

| DATE       | CONSTITUENT            | METHOD       | REPORTING<br>LIMIT   | CONCENTRATION    |
|------------|------------------------|--------------|----------------------|------------------|
| (MM/DD/YY) |                        |              | (µg/L) <sup>11</sup> | (µg/L)           |
| 10/21/25   | Trichloroethene        | EPA<br>8260B | 0.50                 | ND <sup>12</sup> |
| 10/21/25   | Trichlorofluoromethane | EPA<br>8260B | 5.0                  | ND               |
| 10/21/25   | Vinyl Chloride         | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | Xylenes (m + p)        | EPA<br>8260B | 0.50                 | ND               |
| 10/21/25   | Xylenes (ortho)        | EPA<br>8260B | 0.50                 | ND               |

# **PYRETHROID PESTICIDES ANALYSIS RESULTS**

WECK LABORATORIES, INC. IN RIVERSIDE, CA

| DATE            | CONSTITUENT               | METHOD               | REPORTING<br>LIMIT <sup>13</sup> | CONCENTRATION          |
|-----------------|---------------------------|----------------------|----------------------------------|------------------------|
| (MM/DD/YY)      |                           |                      | (ng/L) <sup>14</sup>             | (ng/L)                 |
| 10/21/25        | Allethrin                 | EPA<br>8270M         | 100                              | ND <sup>12</sup>       |
| 10/21/25        | Bifenthrin                | EPA<br>8270M         | 20                               | ND                     |
| 10/21/25        | Cyfluthrin                | EPA<br>8270M         | 20                               | ND                     |
| 10/21/25        | Cypermethrin              | EPA<br>8270M         | 20                               | ND                     |
| 10/21/25        | Deltamethrin+Tralomethrin | EPA<br>8270M         | 40                               | ND                     |
| <b>10/21/25</b> | <b>Dichloran</b>          | <b>EPA<br/>8270M</b> | <b>20</b>                        | <b>10<sup>15</sup></b> |
| 10/21/25        | Fenpropathrin (Danitol)   | EPA<br>8270M         | 20                               | ND                     |
| 10/21/25        | Fenvalerate+Esfenvalerate | EPA<br>8270M         | 40                               | ND                     |
| 10/21/25        | L-Cyhalothrin             | EPA<br>8270M         | 20                               | ND                     |
| 10/21/25        | Pendimethalin             | EPA<br>8270M         | 20                               | ND                     |
| 10/21/25        | Permethrin                | EPA<br>8270M         | 50                               | ND                     |
| 10/21/25        | Prallethrin               | EPA<br>8270M         | 100 <sup>16</sup>                | ND                     |
| 10/21/25        | Sumithrin (Phenothrin)    | EPA<br>8270M         | 100                              | ND                     |
| 10/21/25        | Tefluthrin                | EPA<br>8270M         | 20                               | ND                     |

<sup>13</sup> Due to the nature of matrix interferences, sample extract was diluted prior to analysis. The Detection Limit and Reporting Limit are raised due to the dilution.

<sup>14</sup> The concentrations are reported in units of nanograms per liter.

<sup>15</sup> Estimated concentration detected less than Reporting Limit and greater than Detection Limit.

<sup>16</sup> The Detection Limit and/or Reporting Limit for this analyte is raised to account for matrix interference.