

## Colorado River Basin Regional Water Quality Control Board

### NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA MAY 2024 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>
05/21/24	10:20	24.0	7.7	5.29	5,808

#### FIELD OBSERVATIONS

05/21/24 10:20 – Ambient air temperature is 78 °F. Water color is olive brown. Clear sky. Slight breeze. Minor foam. No odor.

#### NOTES

Staff observed minor quantities of trash on the bank of the river.

#### BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN EL CENTRO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) <sup>5</sup>
05/21/24	10:34	9,200 (1:10 dilution)
05/21/24	10:34	16,000 (1:10 dilution)
05/21/24	10:34	13,000 (1:100 dilution)
05/21/24	10:34	35,000 (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.

**CHEMICAL ANALYSIS RESULTS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION
(MM/DD/YY)			(mg/L) <sup>6</sup>	(mg/L)
05/21/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.01	10
05/21/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.01	9.7
05/21/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	14
05/21/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	14
05/21/24	Total Phosphorus	SM 4500-P BE	0.25	1.8
05/21/24	Total Phosphorus	SM 4500-P BE	0.25	1.7
05/21/24	Total Suspended Solids	SM 2540 D	3.0	36
05/21/24	BOD <sup>7</sup>	SM 5210 B	10.0	ND <sup>8</sup>
05/21/24	BOD	SM 5210 B	20.0	ND
05/21/24	Arsenic	EPA 200.8	0.005	0.0086
05/21/24	Arsenic	EPA 200.8	0.005	0.0083
05/21/24	Selenium	EPA 200.8	0.005	0.0046
05/21/24	Selenium	EPA 200.8	0.005	0.0041

<sup>6</sup> The concentrations are reported in units of milligrams per liter.

<sup>7</sup> Biochemical Oxygen Demand.

<sup>8</sup> Analyte not detected at or above the Reporting Limit.