

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
 CALEXICO, CALIFORNIA
 AUGUST 2024 WATER QUALITY DATA

FIELD MEASUREMENTS

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C) ¹	S.U. ²	(mg/L) ³	(µS/cm) ⁴
08/20/24	10:19	34.2	7.97	4.12	5,057

FIELD OBSERVATIONS

08/20/24 10:19 – Ambient air temperature is 103 °F. Water color is green. Clear sky. Wind speed is 8 miles per hour. No foam. Strong musty odor.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁵
08/20/24	10:31	>16,000 (1:10 dilution) ⁶
08/20/24	10:33	>16,000 (1:10 dilution)
08/20/24	10:33	>160,000 (1:100 dilution)
08/20/24	10:32	92,000 (1:100 dilution)

¹ Water temperature is reported in units of degrees Celsius (°C).

² pH is reported in standard units.

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

⁴ Specific conductivity is reported in units of microSiemens per centimeter.

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

⁶ Fecal coliform is greater than upper reporting limit.

PETER SATIN, CHAIR | PAULA RASMUSSEN, EXECUTIVE OFFICER

CHEMICAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION
(MM/DD/YY)			(mg/L) ⁷	(mg/L)
08/20/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.2	12
08/20/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.2	12
08/20/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	16
08/20/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	16
08/20/24	Total Phosphorus	SM 4500-P BE	0.5	2.2
08/20/24	Total Phosphorus	SM 4500-P BE	0.5	2.2
08/20/24	Total Suspended Solids	SM 2540 D	2.0	23
08/20/24	BOD ⁸	SM 5210 B	5.0	13
08/20/24	BOD	SM 5210 B	5.0	16
08/20/24	Arsenic	EPA 200.8	0.005	0.01
08/20/24	Arsenic	EPA 200.8	0.005	0.0092
08/20/24	Selenium	EPA 200.8	0.005	0.0057
08/20/24	Selenium	EPA 200.8	0.005	0.0055

⁷ The concentrations are reported in units of milligrams per liter.

⁸ Biochemical Oxygen Demand.