

STAFF REPORT



To: Board of Directors

From: Mohammed Serageldin, Lab Manager

Date: August 27th , 2026

Subject: Monthly Lab Report

RECOMMENDATION

Receive Report - Informational only; no action required.

DISCUSSION

1- Sampling

Monitoring and Compliance Sampling Activities Completed	
Monitoring Frequency	Type of Sampling Activity
Weekly	CAWD Sodium Adsorption Ratio (SAR)
Weekly	CAWD NPDES Permit Monitoring
Monthly	Pebble Beach Sodium Adsorption Ratio (SAR) and Total Nitrogen monitoring
Monthly	Central Coast Long-Term Environmental Assessment Network (CCLEAN) monitoring
Monthly	CAWD Total Nitrogen (TN) Monitoring
Every 13 days	NPDES Discharge Monitoring for Oil and Grease

2. General

- The lab team, with the help of Labworks experts, initiated the process of installing the new Laboratory Information Management System (LIMS).
- The lab received new equipment for the oil and grease analysis, and the laboratory manager is currently performing a method validation/verification study.
- The lab received the new deionized water system from Millipore sigma. The laboratory manager is organizing with the vendor the installation process.
- The laboratory analyzed proficiency testing samples for the current year (2026).

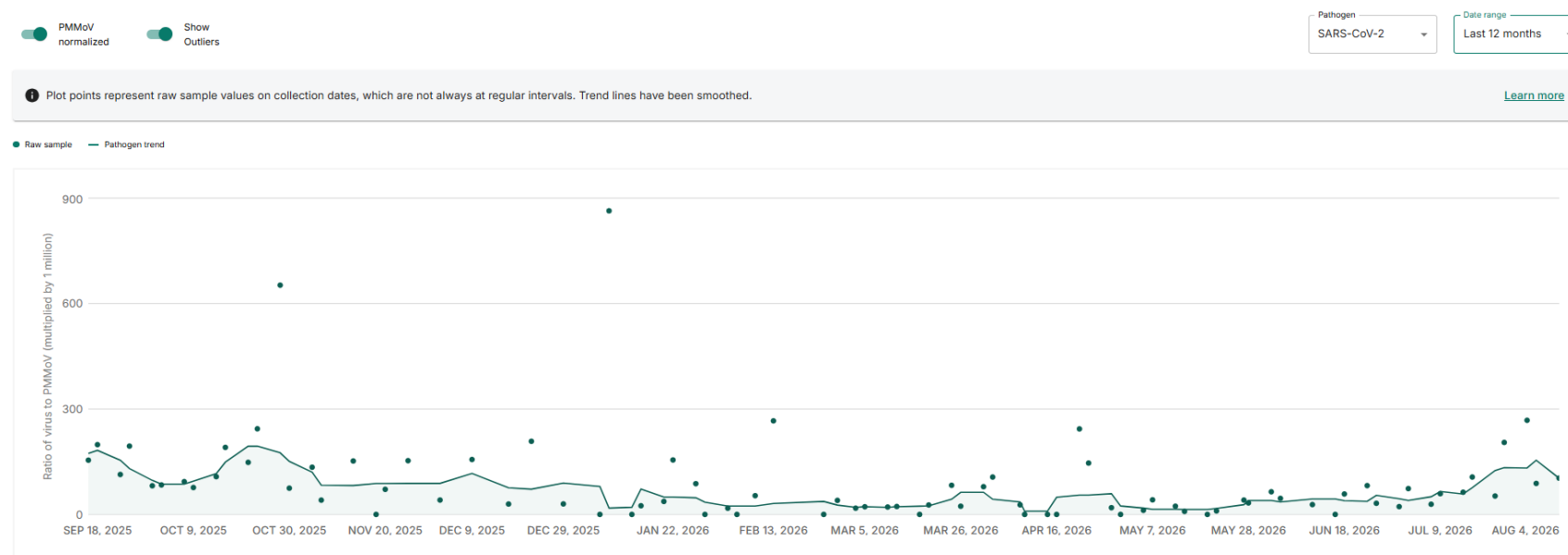
- Results are reported but the final assessment is not yet generated by the vendor.
- The laboratory manager performed the annual demonstration of capability study for all lab personnel. The next step of performance evaluation will be the double-blind samples expected to be completed before October 2026.
- The Laboratory Manager will attend in person the California Water Environmental Association (CWEA) meeting, San Francisco Section, on August 27th which will be held in Martinez, CA.

Wastewater Public Health Surveillance Update: The following graphs provide a summary of ongoing wastewater plant influent public health surveillance testing being funded by the Center for Disease Control National Wastewater Surveillance System program.

VIRUSES

Note: Samples taken twice per week at CAWD Wastewater Treatment Plant. Tests completed by Verily Life Sciences LLC. Full graphs are available at www.cawd.org/pathogen-concentration-levels

SARS-CoV-2 (COVID) – Past 12 Months:



Respiratory Syncytial Virus (RSV) – Past 12 Months:

☒ PMMoV normalized ☒ Show Outliers

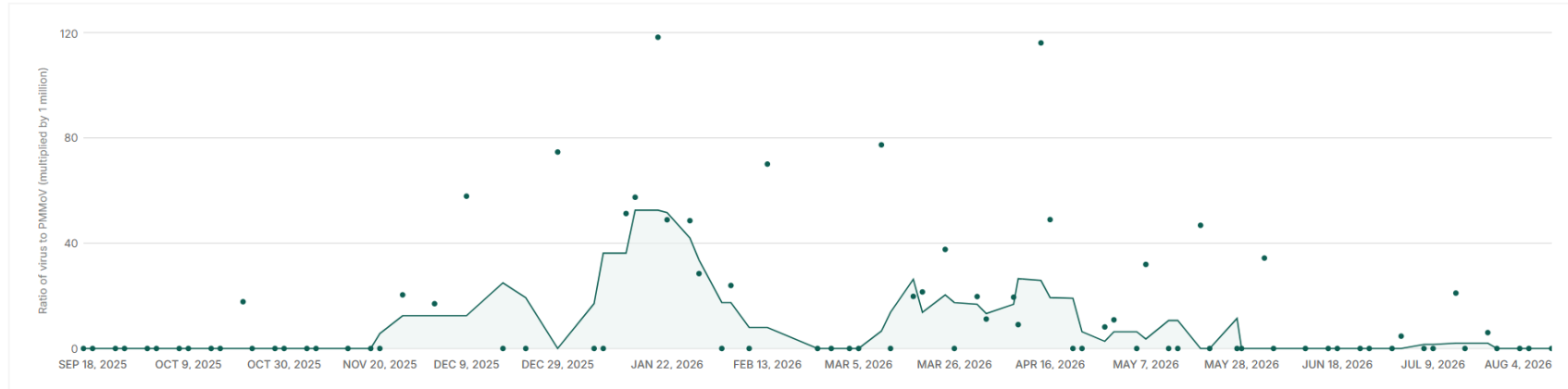
Pathogen
RSV

Date range
Last 12 months

i Plot points represent raw sample values on collection dates, which are not always at regular intervals. Trend lines have been smoothed.

[Learn more](#)

● Raw sample — Pathogen trend



Influenza A– Past 12 Months:

☒ PMMoV normalized

☒ Show Outliers

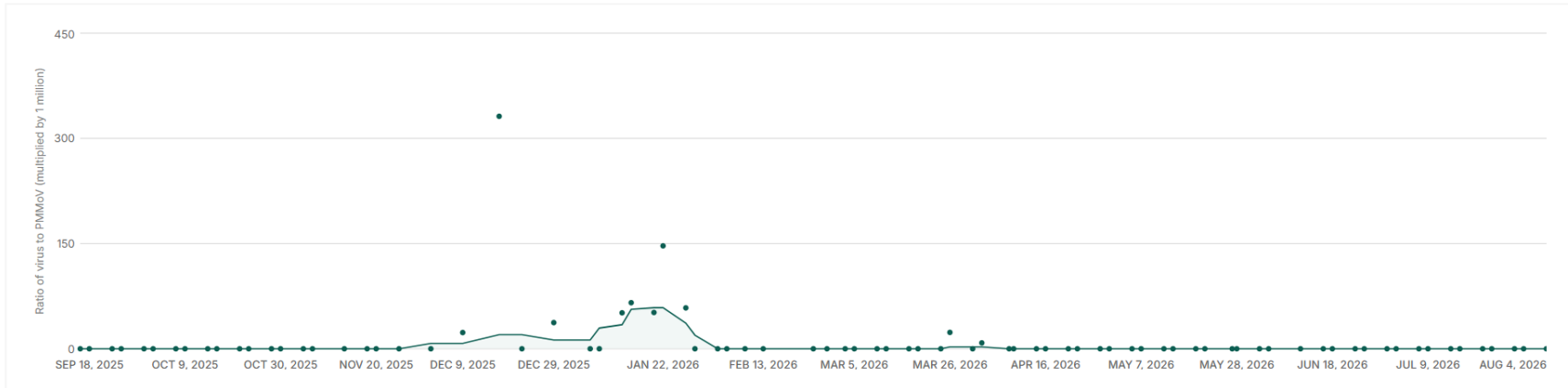
Pathogen
Influenza A

Date range
Last 12 months

Plot points represent raw sample values on collection dates, which are not always at regular intervals. Trend lines have been smoothed.

[Learn more](#)

Raw sample Pathogen trend



Influenza B– Past 12 Months:

☒ PMMoV normalized ☒ Show Outliers

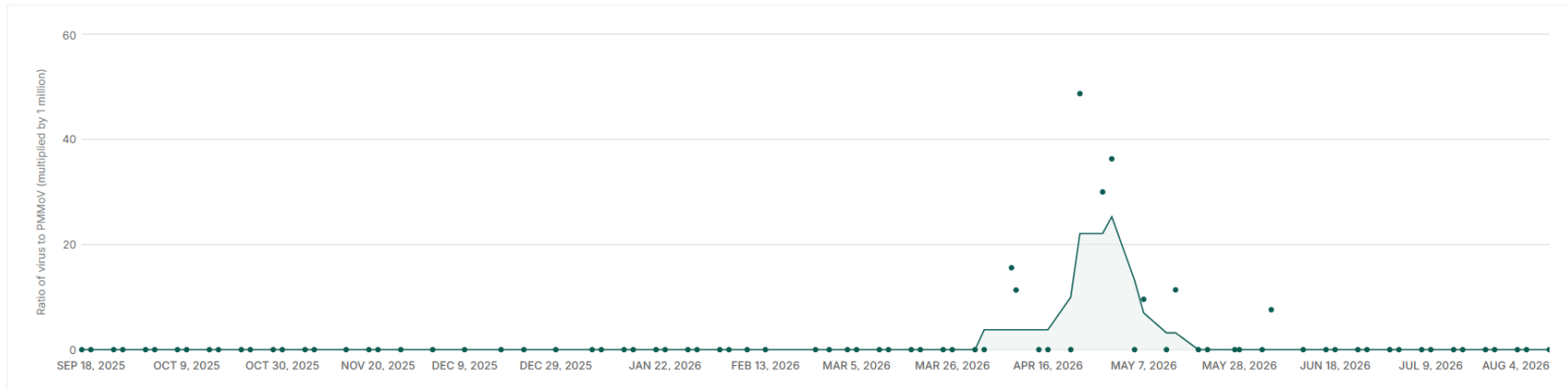
Pathogen
Influenza B

Date range
Last 12 months

Plot points represent raw sample values on collection dates, which are not always at regular intervals. Trend lines have been smoothed.

[Learn more](#)

Raw sample Pathogen trend



Monkey Pox Virus (MPKV) – Past 12 Months:

☒ PMMoV normalized ☒ Show Outliers

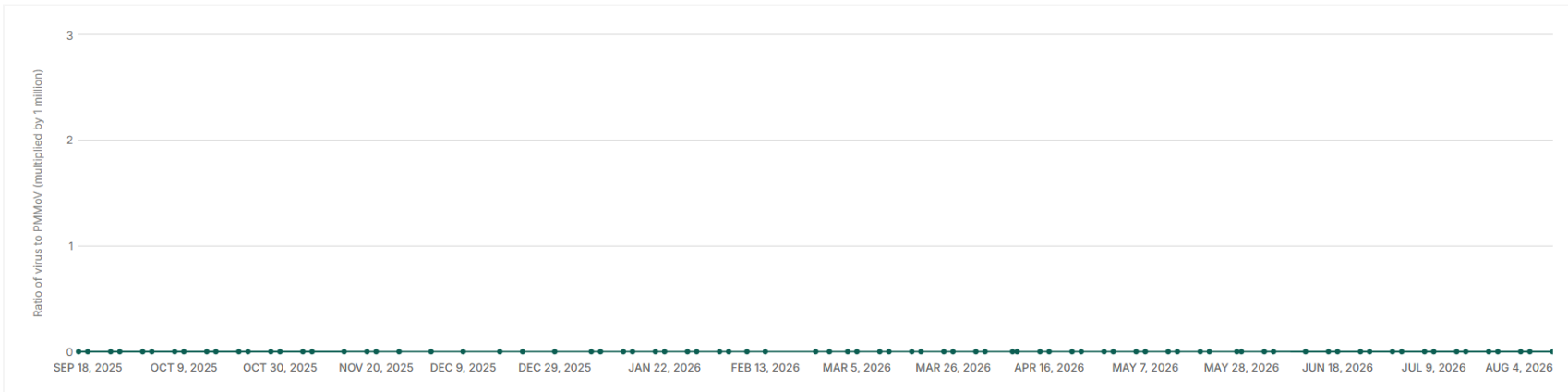
Pathogen
Mpox virus

Date range
Last 12 months

Plot points represent raw sample values on collection dates, which are not always at regular intervals. Trend lines have been smoothed.

[Learn more](#)

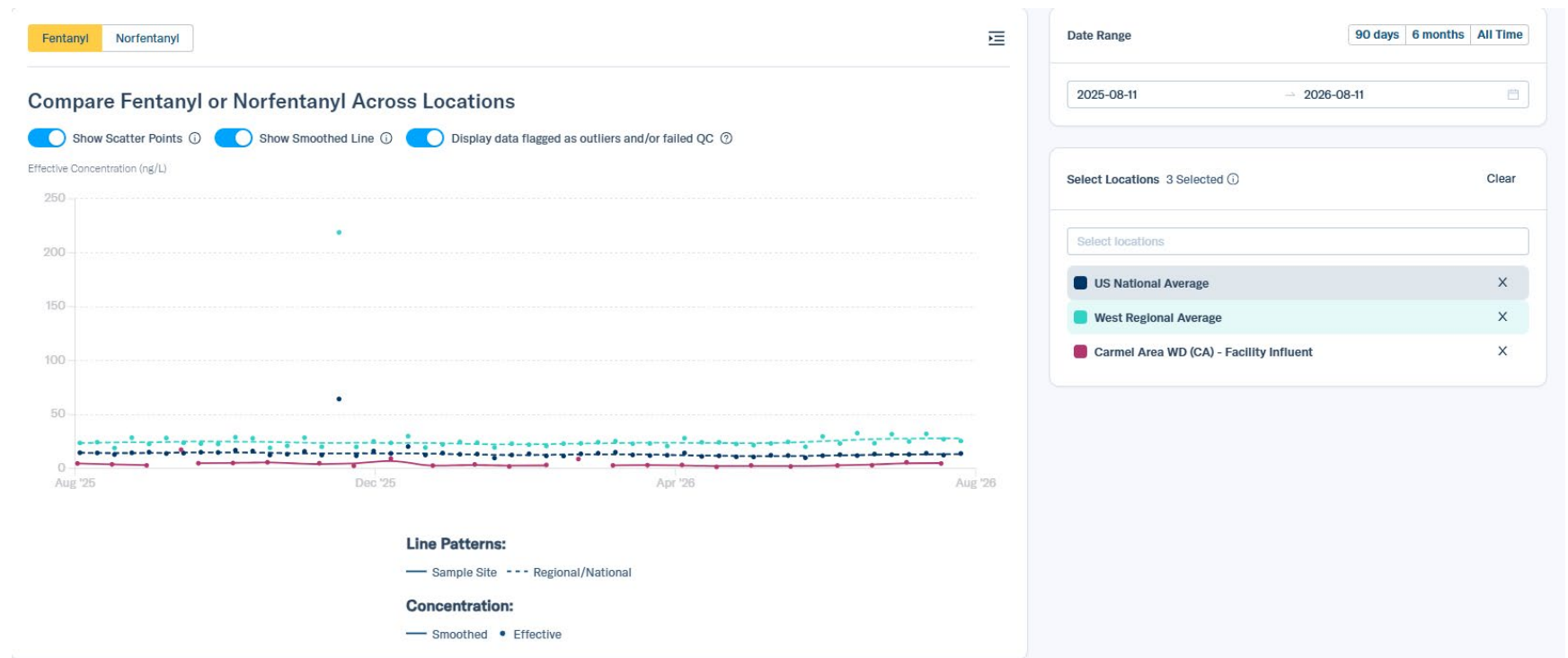
Raw sample Pathogen trend



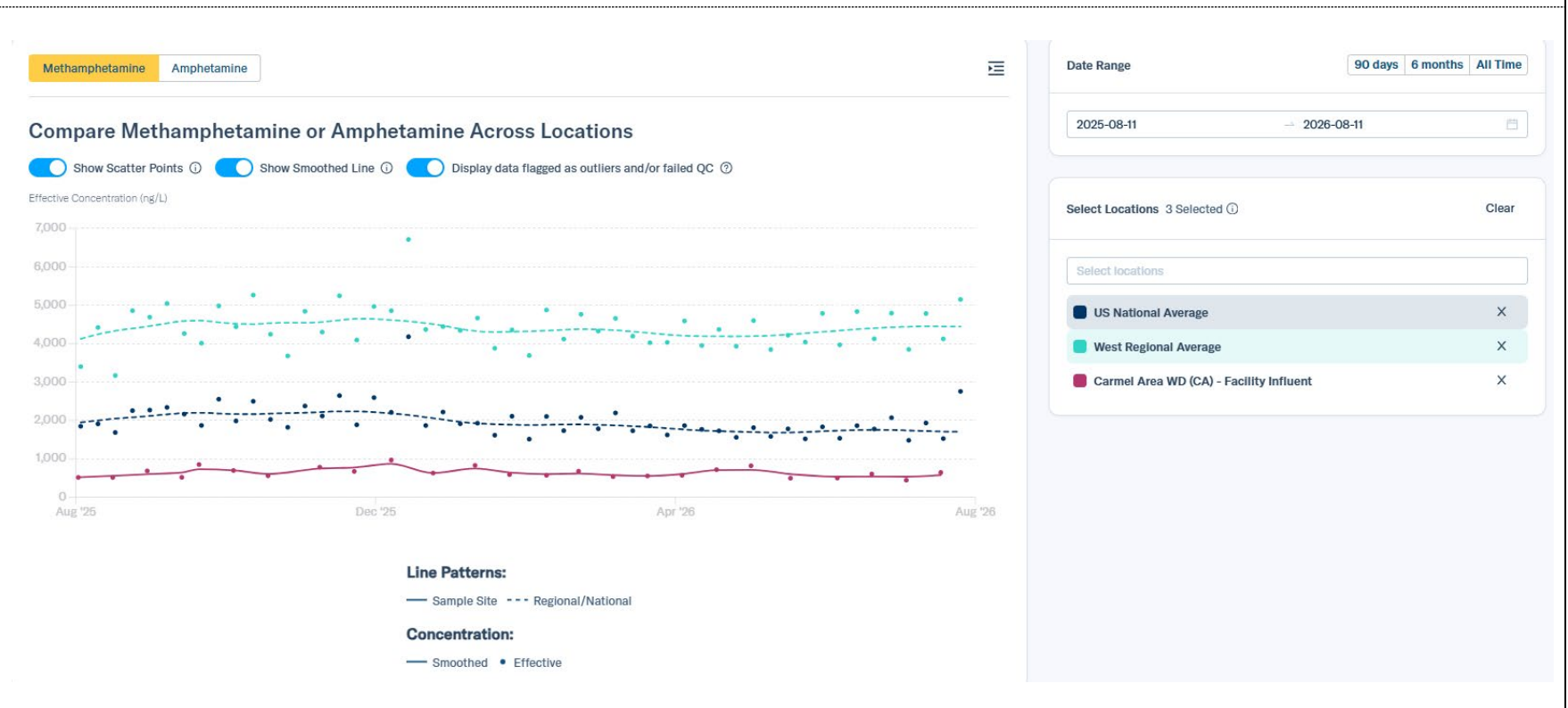
HIGH RISK SUBSTANCES

Note: Samples taken once per week at CAWD Wastewater Treatment Plant. Tests completed by Biobot Analytics.

Fentanyl – Past 12 Months:



Methamphetamine – Past 12 Months:



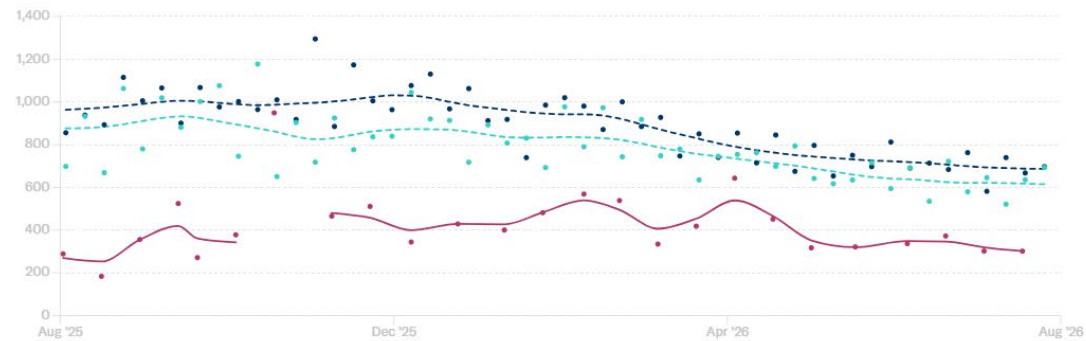
Cocaine – Past 12 Months:

Cocaine Benzoylcegonine

Compare Cocaine or Benzoylcegonine Across Locations

☒ Show Scatter Points ⓘ ☒ Show Smoothed Line ⓘ ☒ Display data flagged as outliers and/or failed QC ⓘ

Effective Concentration (ng/L)



Line Patterns:

— Sample Site --- Regional/National

Concentration:

— Smoothed • Effective

Date Range

90 days 6 months All Time

2025-08-11

2026-08-11

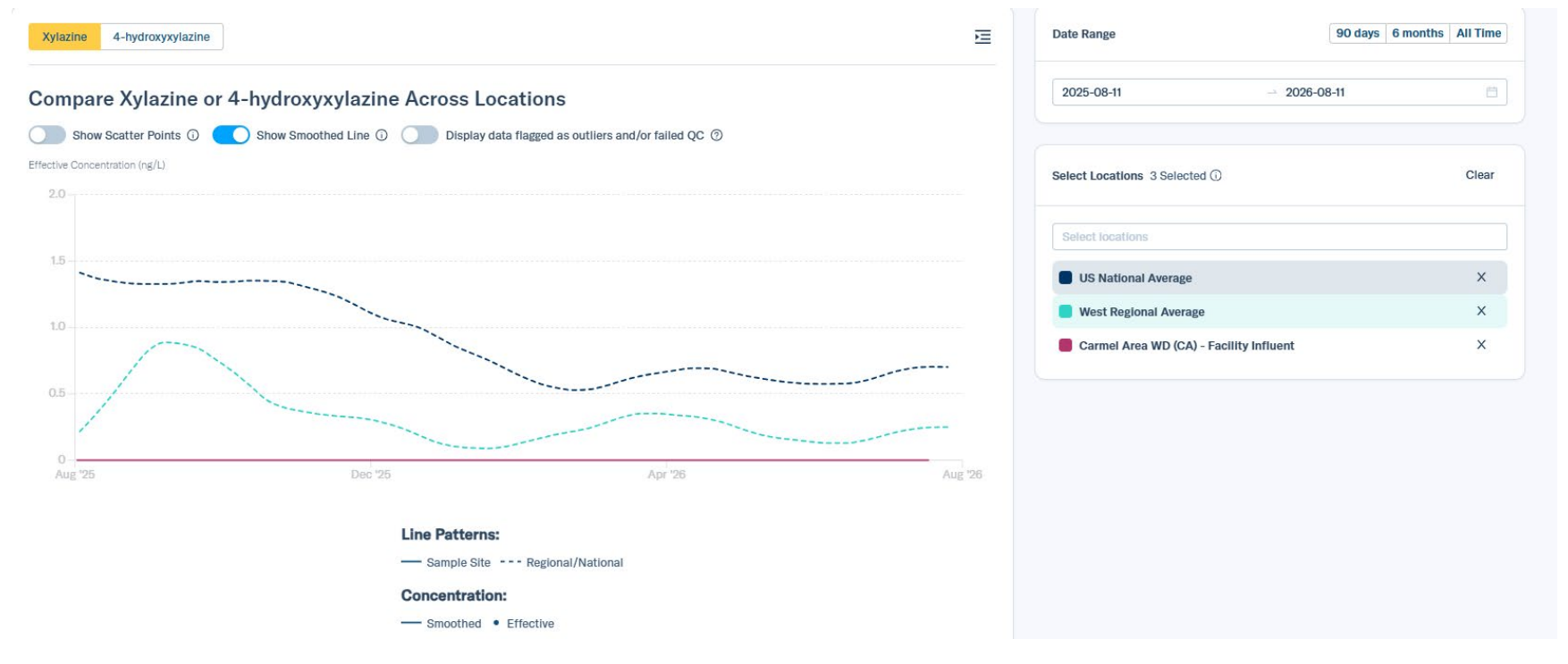
Select Locations 3 Selected ⓘ

Clear

Select locations

- ☒ US National Average X
- ☒ West Regional Average X
- ☒ Carmel Area WD (CA) - Facility Influent X

Xylazine (Tranq) – Past 12 Months:



FUNDING

N/A Information Only