

STAFF REPORT



To: Board of Directors
From: Mohammed Serageldin, Lab Manager
Date: April 30th , 2026
Subject: Monthly Lab Report

RECOMMENDATION

Receive Report - Informational only; no action required.

DISCUSSION

Staff completed the following:

1. Sampling for the Monthly Pebble Beach Sodium Adsorption Ratio (SAR) samples.
2. Sampling for the Monthly Pebble Beach Total Nitrogen Permit samples.
3. Sampling for the Monthly Central Coastal Long-Term Environmental Assessment Network (CCLEAN) Monitoring.
4. Sampling for the Monthly CAWD Permit samples.
5. Sampling for the Monthly Reclaimed Water Permit samples.
6. Sampling for the Monthly CAWD Oil and Grease samples.
7. Sampling for the Quarterly Tertiary Permit samples.
8. Sampling for CAWD's DDT Quarterly Permit samples.
9. Mohammed Serageldin, PhD (Lab Manager) and Raymond DeOcampo (Lab Analyst II) attended the CWEA conference (AC 26) in Sacramento, CA (04-07-2026 to 04-10-2026).
10. The Lab is currently coordinating with Accelerated Technology Laboratory Inc (ATL) to install V10 of the Laboratory Information Management System (LIMS) Software and start the training program.
11. 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:

Pathogen levels for Carmel Area WD (CA) - Facility Influent

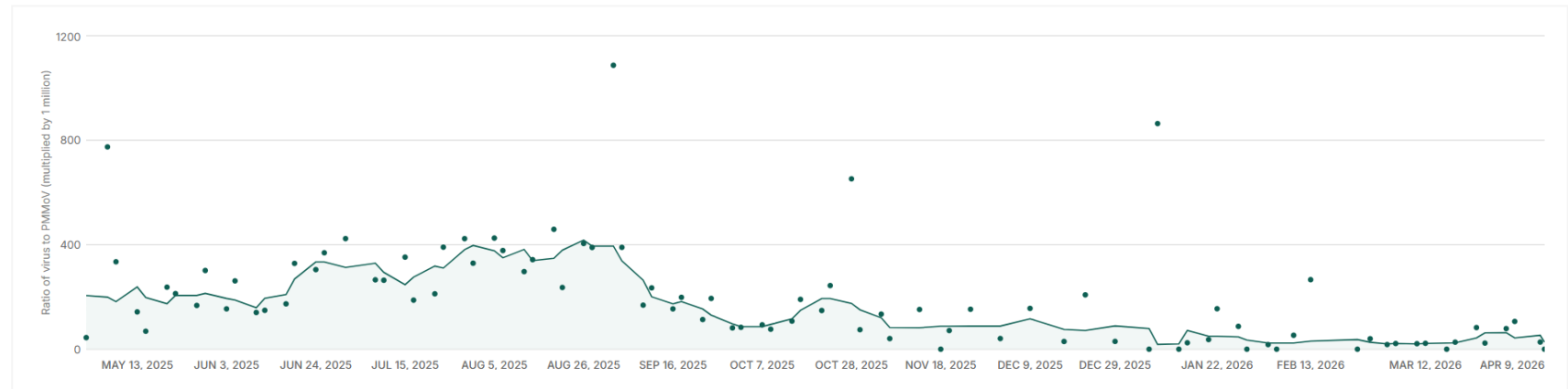
PMMoV normalized Show Outliers

Pathogen: SARS-CoV-2 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



Respiratory Syncytial Virus (RSV) – Past 12 Months:

Pathogen levels for Carmel Area WD (CA) - Facility Influent

PMMoV normalized Show Outliers

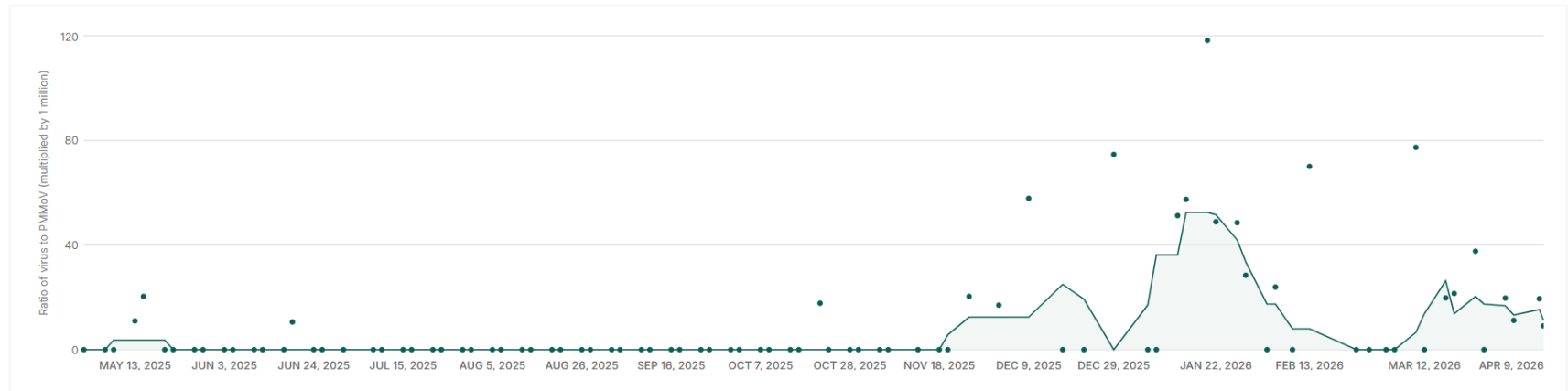
Pathogen
RSV

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 A- Past 12 Months:

Pathogen levels for Carmel Area WD (CA) - Facility Influent

PMMoV normalized Show Outliers

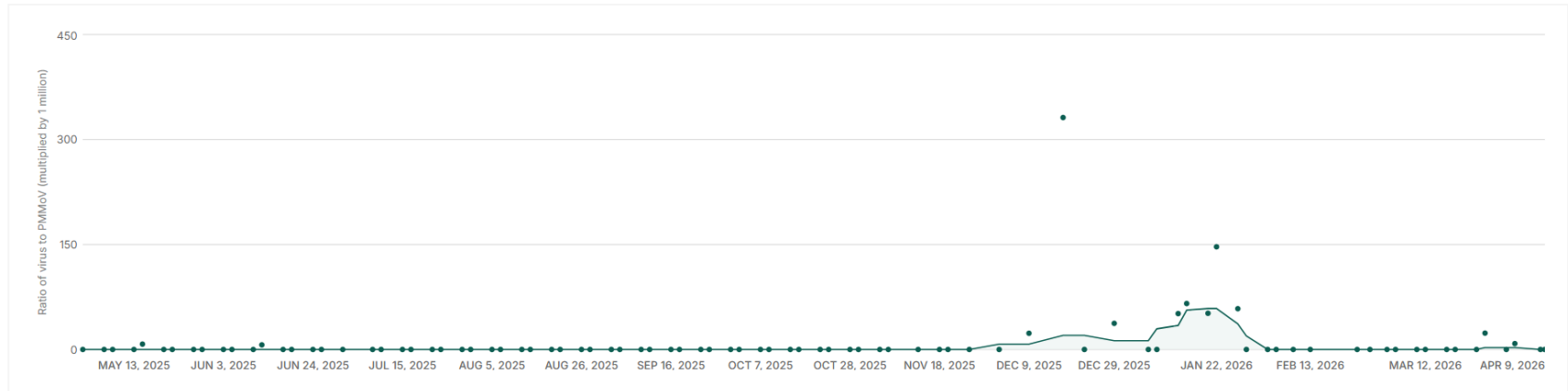
Pathogen
Influenza A

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:

Pathogen levels for Carmel Area WD (CA) - Facility Influent

PMMoV normalized Show Outliers

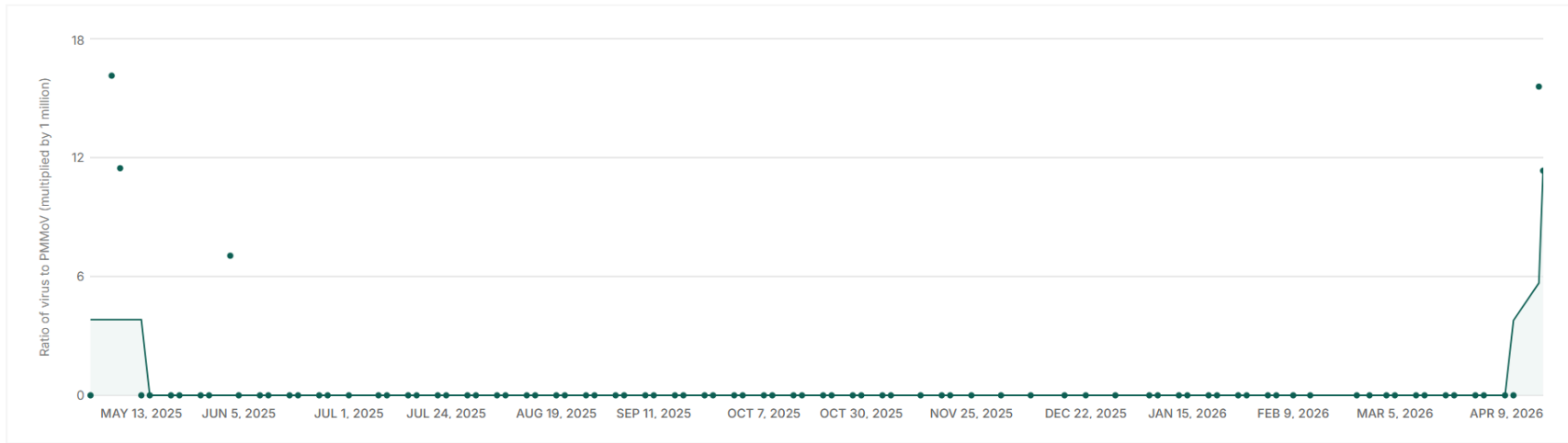
Pathogen
Influenza B

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:

Pathogen levels for Carmel Area WD (CA) - Facility Influent

PMMoV normalized Show Outliers

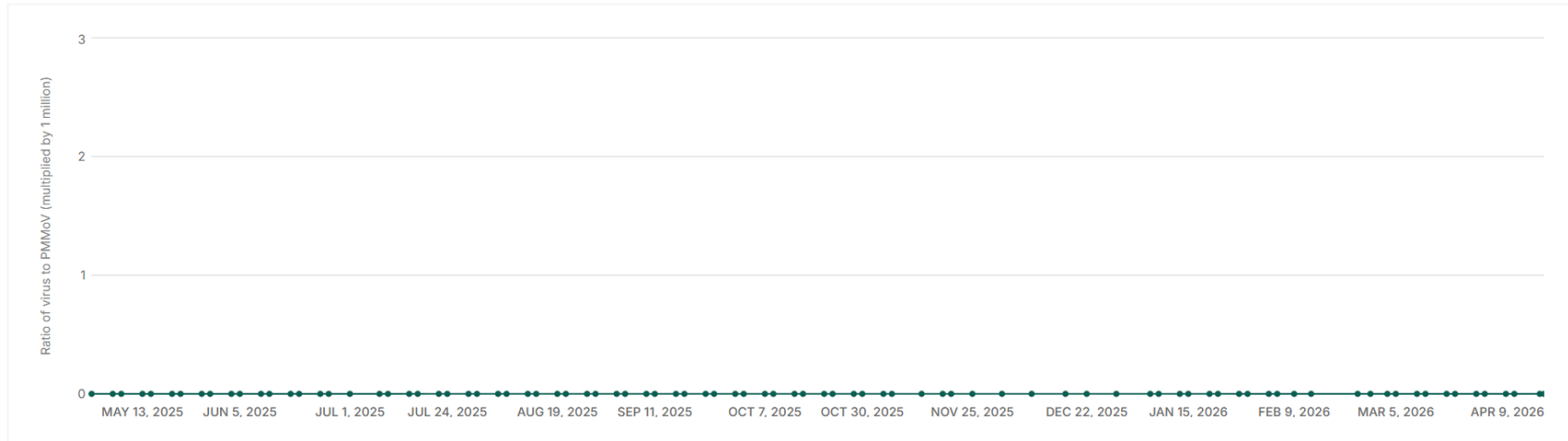
Pathogen
Mpox virus

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](#)

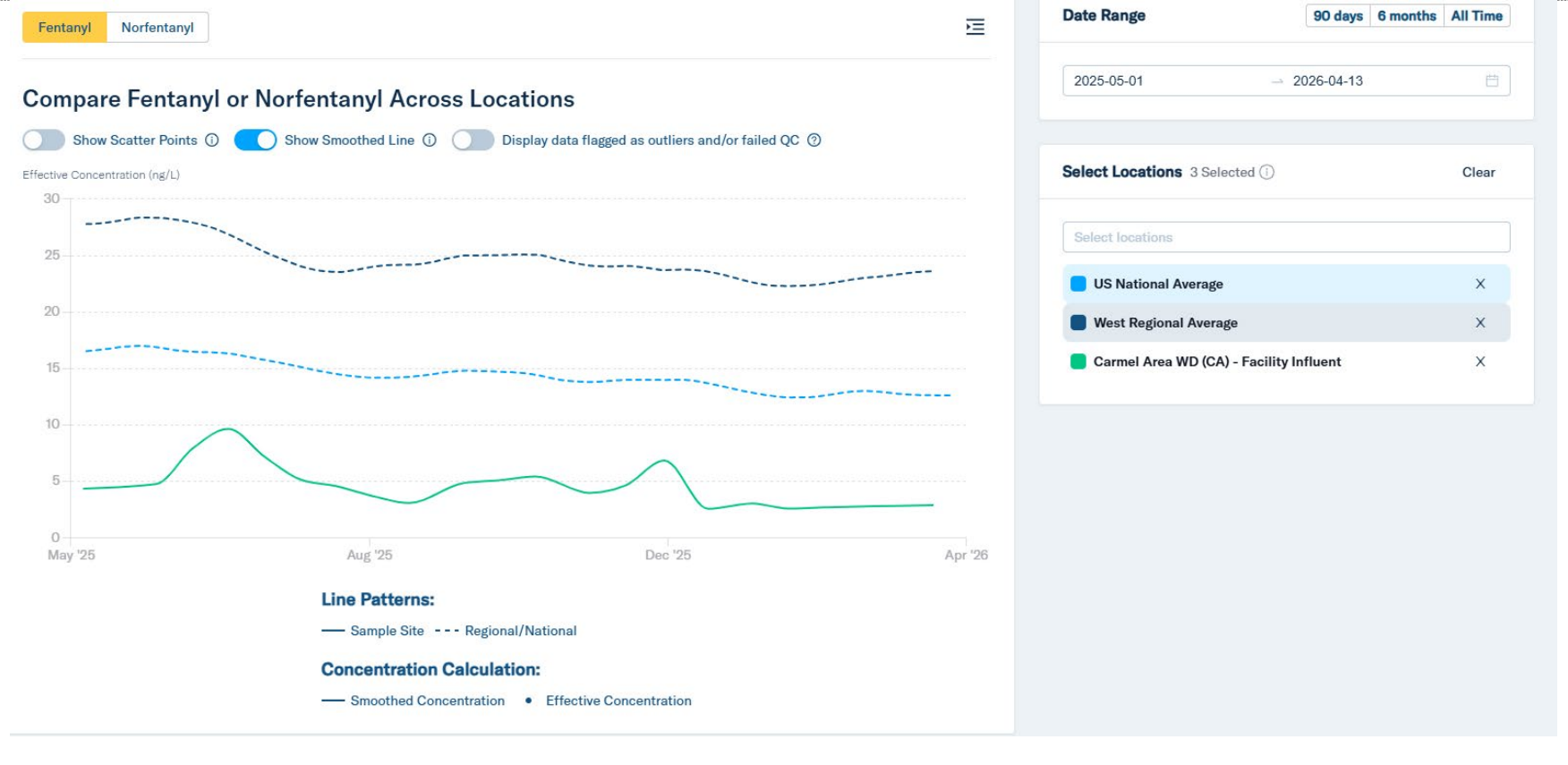
Raw sample Pathogen trend



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:

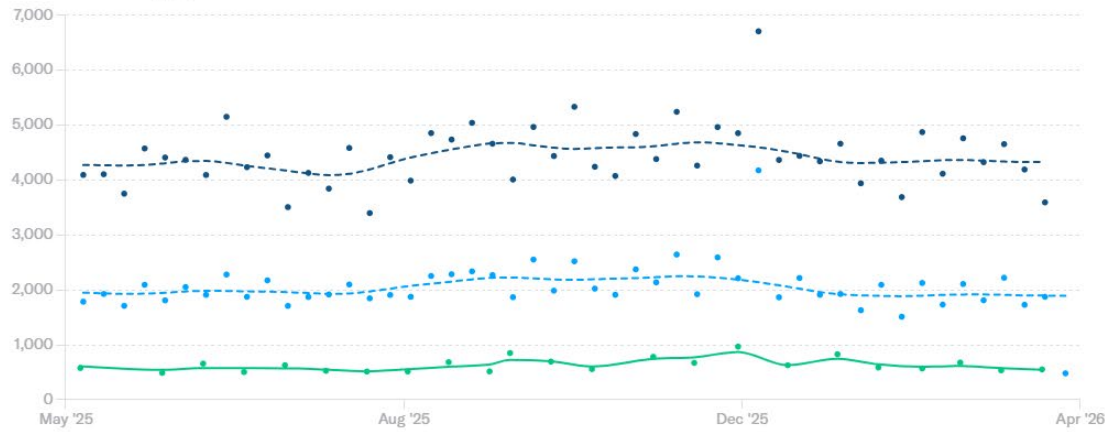
Methamphetamine Amphetamine



Compare Methamphetamine or Amphetamine 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 Calculation:

— Smoothed Concentration • Effective Concentration

Date Range

90 days 6 months All Time

2025-05-01 → 2026-04-13

Select Locations 3 Selected

Clear

Select locations

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

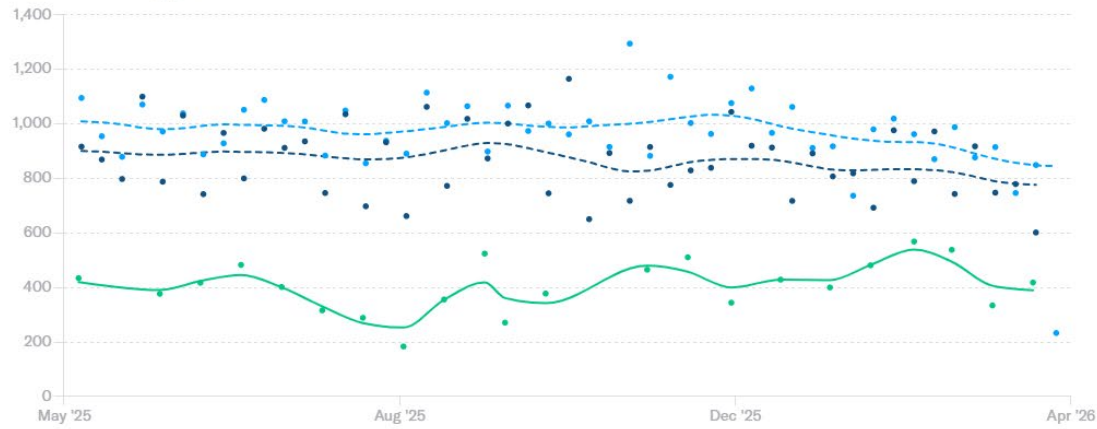
Cocaine – Past 12 Months:

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 Calculation:

— Smoothed Concentration • Effective Concentration

Date Range

90 days 6 months All Time

2025-05-01 → 2026-04-13

Select Locations 3 Selected

Clear

Select locations

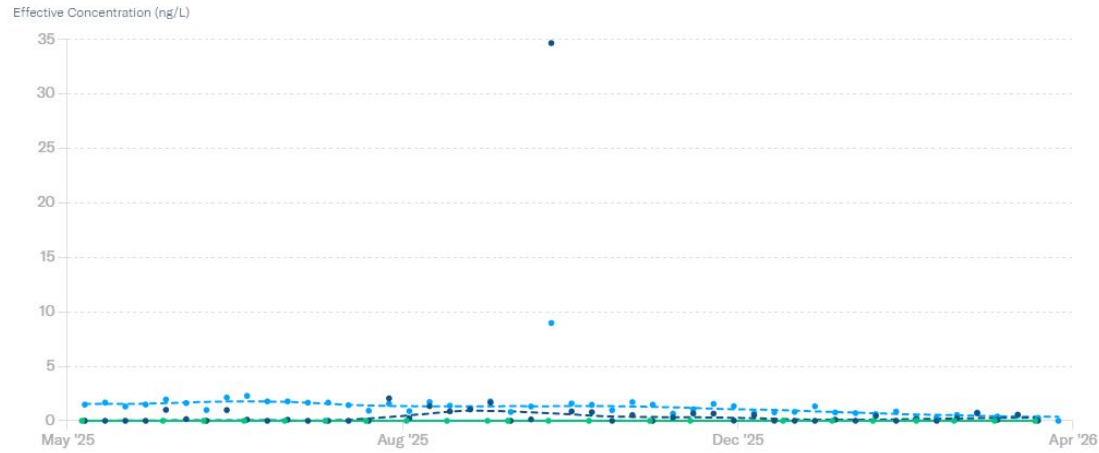
- US National Average X
- West Regional Average X
- Carmel Area WD (CA) - Facility Influent X

Xylazine (Tranq) – Past 12 Months:

Xylazine 4-hydroxyxylazine

Compare Xylazine or 4-hydroxyxylazine Across Locations

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



Date Range

90 days 6 months All Time

2025-05-01 → 2026-04-13

Select Locations 3 Selected

Clear

Select locations

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

FUNDING

N/A Information Only