

# STAFF REPORT



To: Board of Directors

From: Mohammed Serageldin, Lab Manager

Date: January 29<sup>th</sup> , 2026

Subject: Monthly Lab Report

## RECOMMENDATION

Receive Report - Informational only; no action required.

## DISCUSSION


1. Staff completed sampling for the semi-annual Bioassay Study on Final Effluent.
2. Staff completed sampling for the semi-annual Effluent Wastewater Monitoring.
3. Staff completed sampling for the semi-annual Influent Priority Pollutants.
4. Staff completed sampling for the Quarterly DDT Monitoring in Effluent Wastewater.
5. Staff completed sampling for the Quarterly Biosolid Monitoring.
6. Staff completed sampling for the Monthly CCLEAN Monitoring.
7. The lab created thirty-one corrective actions (CAR) in response to the findings of the internal audit. Except for 2 all the CAR are closed. The only 2 left open are related to analysts not following the approved procedure, which requires a monitoring time to evaluate the effectiveness of the CAR.
8. Lab completed the initial assessment audit on January 6<sup>th</sup>. Few traceability findings were reported, which are now fixed and corrected. The lab is expected to receive the final assessment audit by max February 1<sup>st</sup>. After receiving the final report, the lab will respond to the findings within a week. Assessors will then have to give the lab the green light to apply for Environmental Laboratory Accreditation Program (ELAP) accreditation via California State Water Resources Control Board.
9. Work is in progress on setup for the new version of the Lab Information Management System (LIMS) software.
10. 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](http://www.cawd.org/pathogen-concentration-levels)


## SARS-CoV-2 (COVID) – Past 12 Months:

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

 PMMoV normalized

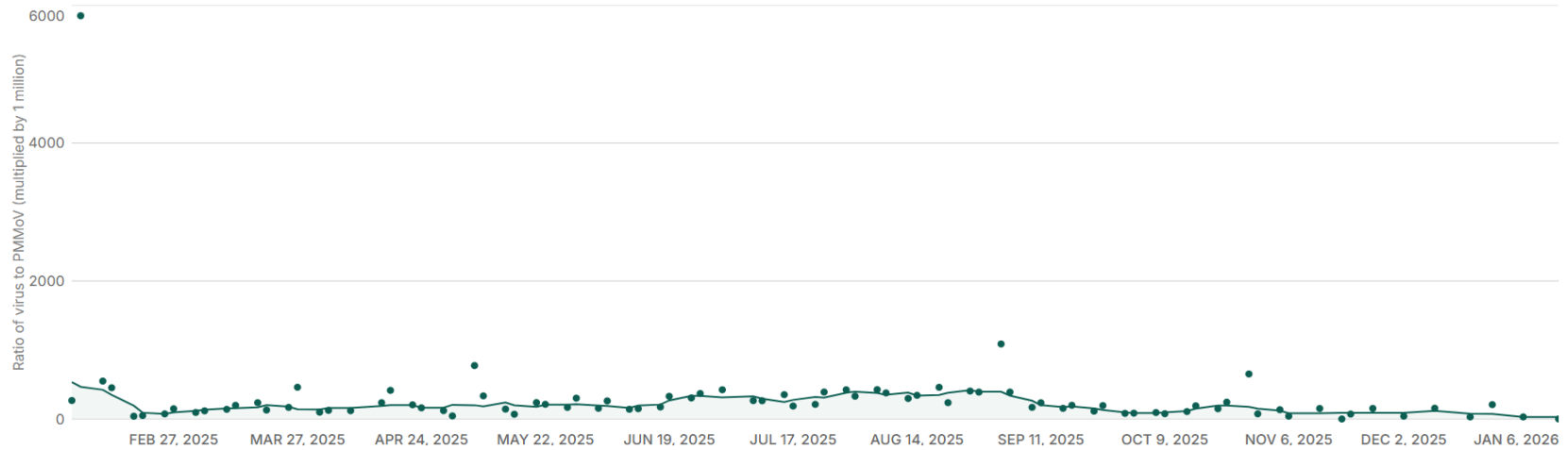
Pathogen  
SARS-CoV-2

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







# Influenza B- Past 12 Months:

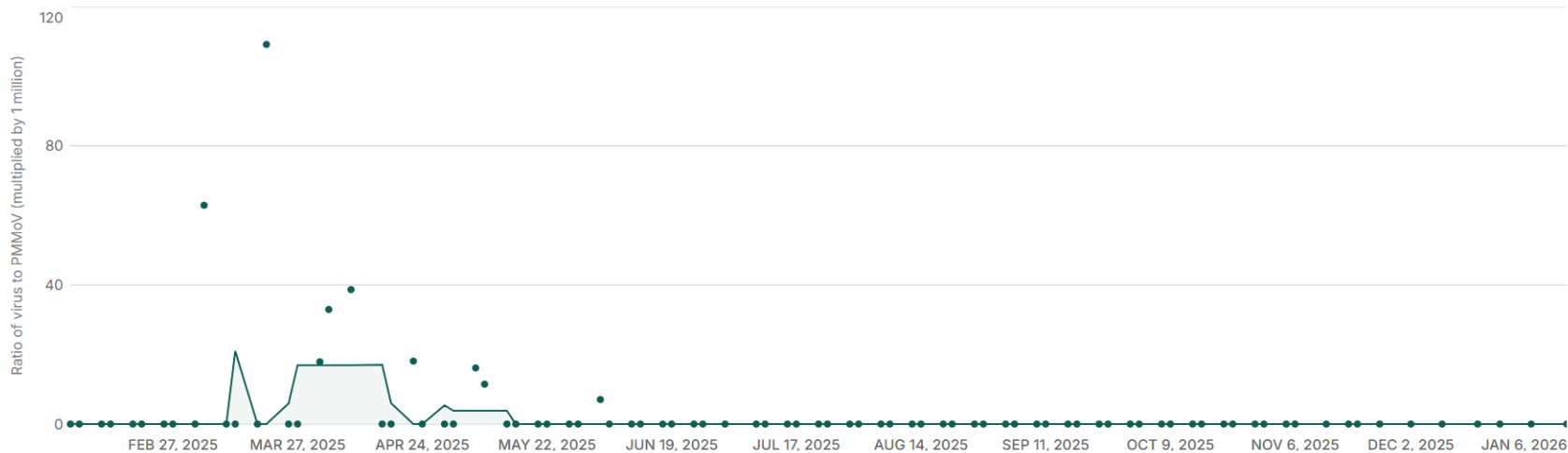
PMMoV normalized

Pathogen  
Influenza B

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



# Monkey Pox Virus (MPKV) – Past 12 Months:

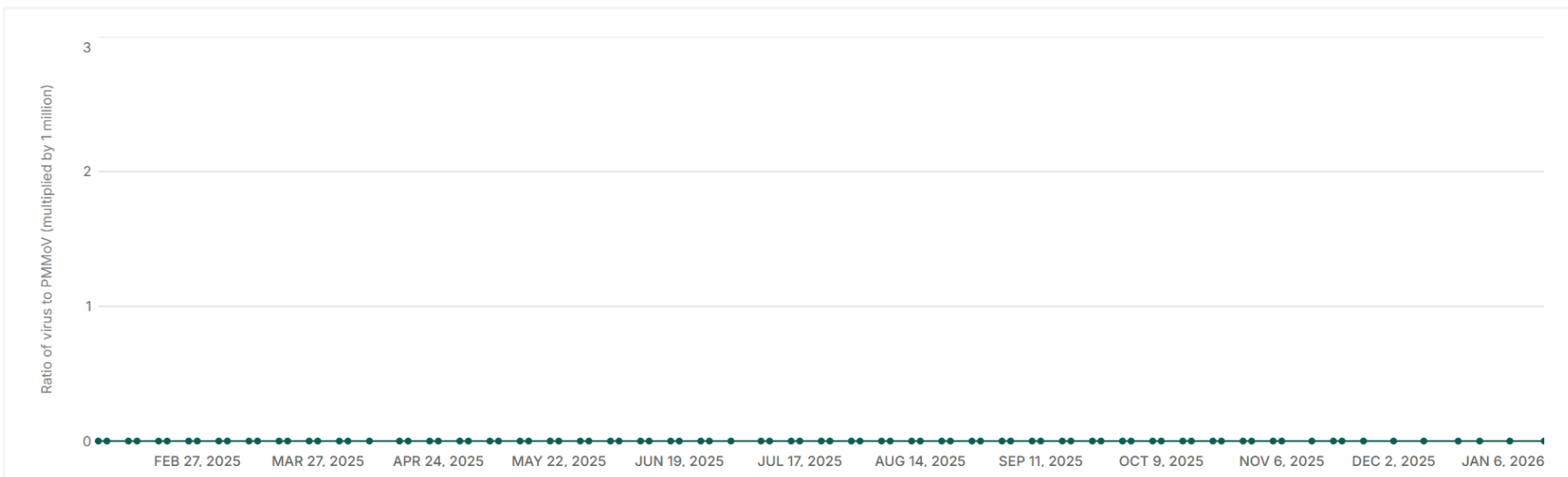
PMMoV normalized

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](#)

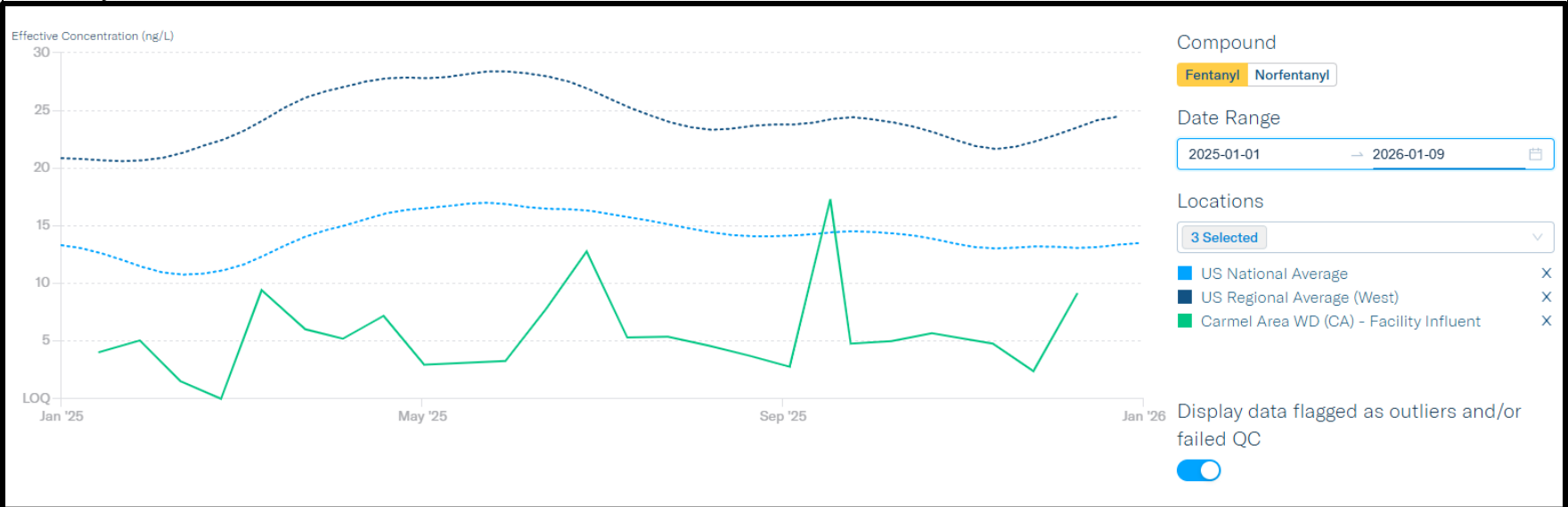
Raw sample  Pathogen trend



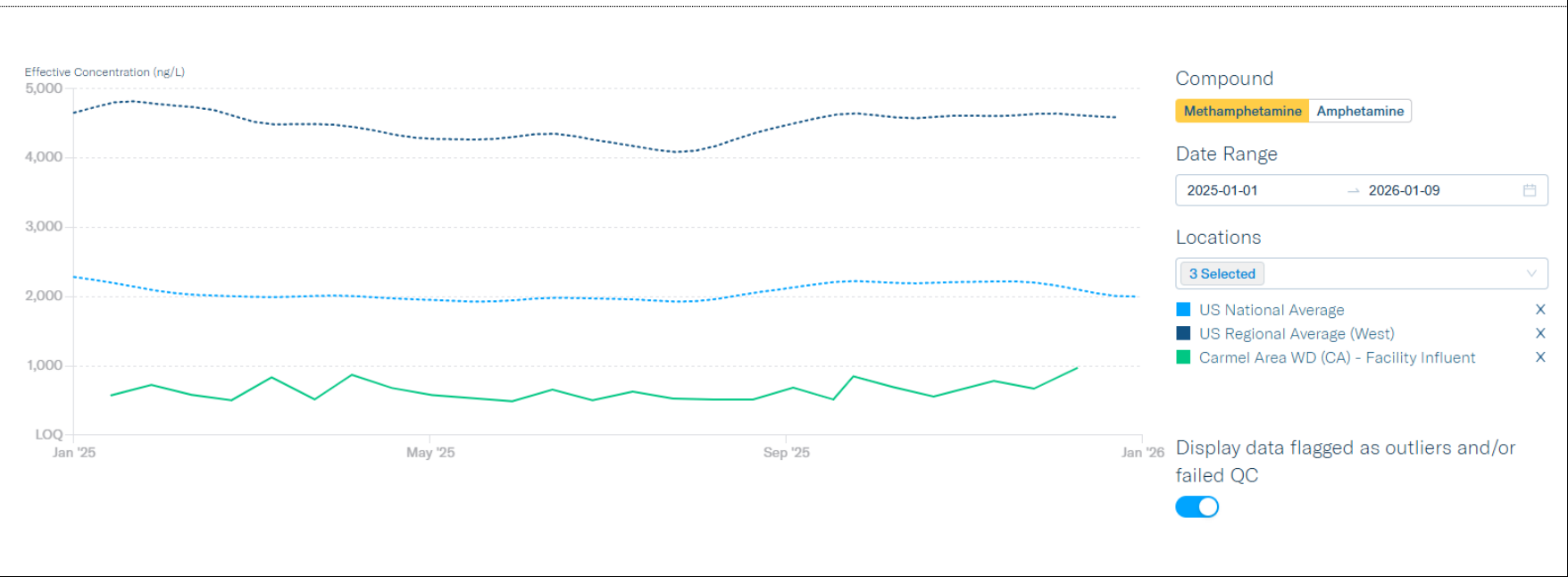
## HIGH RISK SUBSTANCES

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

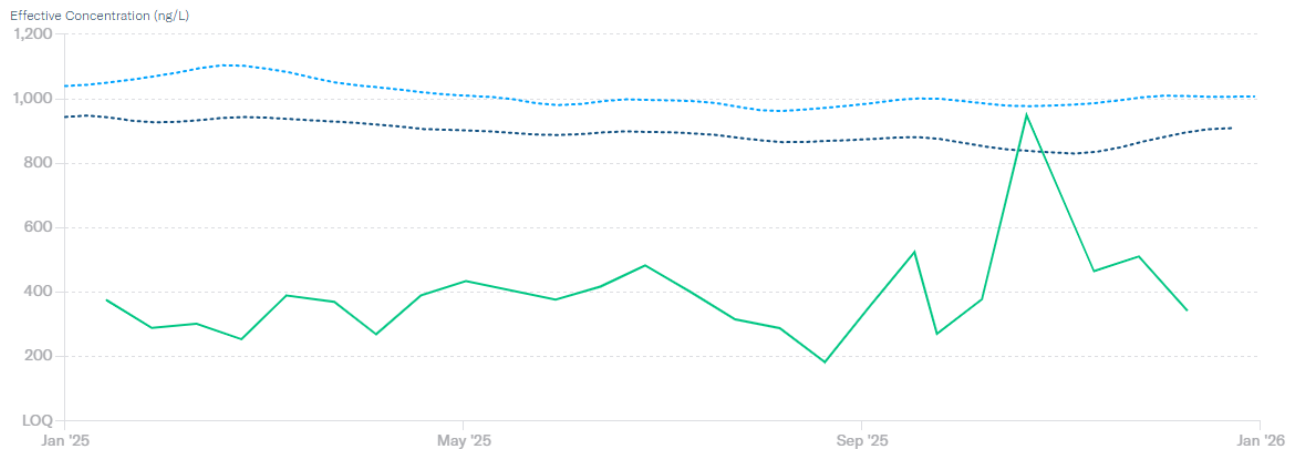
### Fentanyl – Past 12 Months:



# Methamphetamine – Past 12 Months:



# Cocaine – Past 12 Months:



## Compound

Cocaine Benzoylcegonine

## Date Range

2025-01-01 → 2026-01-09

## Locations

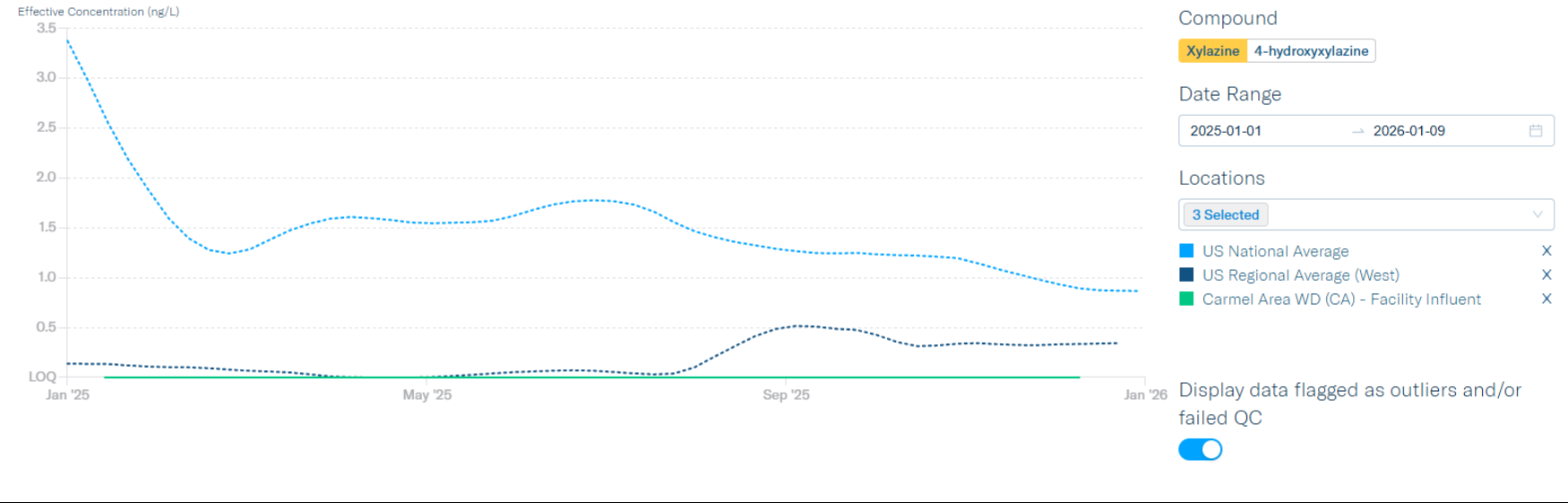
3 Selected

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

Display data flagged as outliers and/or failed QC



# Xylazine (Tranq) – Past 12 Months:



## FUNDING

N/A Information Only