

STAFF REPORT



To: Board of Directors

From: Mohammed Serageldin, Lab Manager

Date: June 25th, 2026

Subject: Monthly Lab Report

RECOMMENDATION

Receive Report - Informational only; no action required.

DISCUSSION

1. Staff completed sampling for the Monthly Pebble Beach Sodium Adsorption Ratio (SAR) and Total Nitrogen samples.
2. Staff completed sampling for the Monthly Central Coastal Long-Term Environmental Assessment Network (CCLEAN) Monitoring.
3. Staff completed sampling for the Monthly Reclaim Line Monitoring.
4. Staff completed sampling for the Monthly Carmel Area Wastewater District Monitoring.
5. Staff completed sampling for the National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring (Oil and Grease).
6. The Laboratory and Operations staff selected Labworks Laboratory Information Management System (LIMS) to replace the Sample Masters LIMS.
7. The Lab manager passed California Water Environment Association (CWEA) Lab Analyst Grade 4 certification exam on 06/04/2026.
8. 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

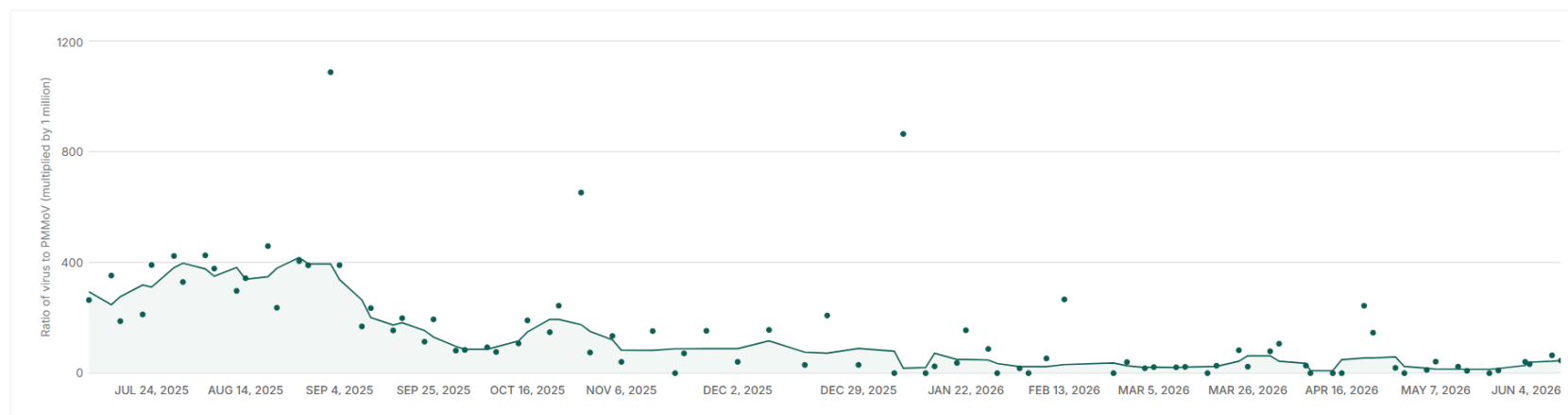
Pathogen
SARS-CoV-2

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

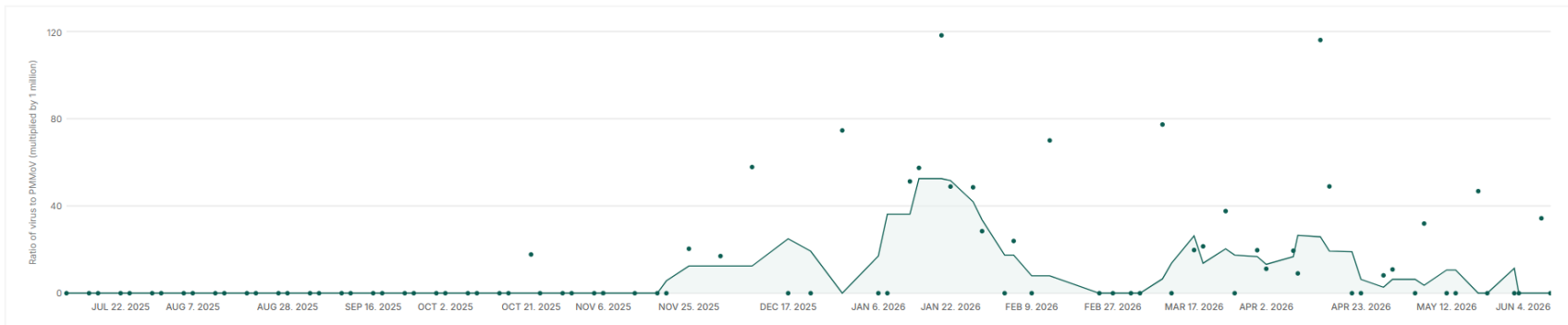
Pathogen
RSV

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

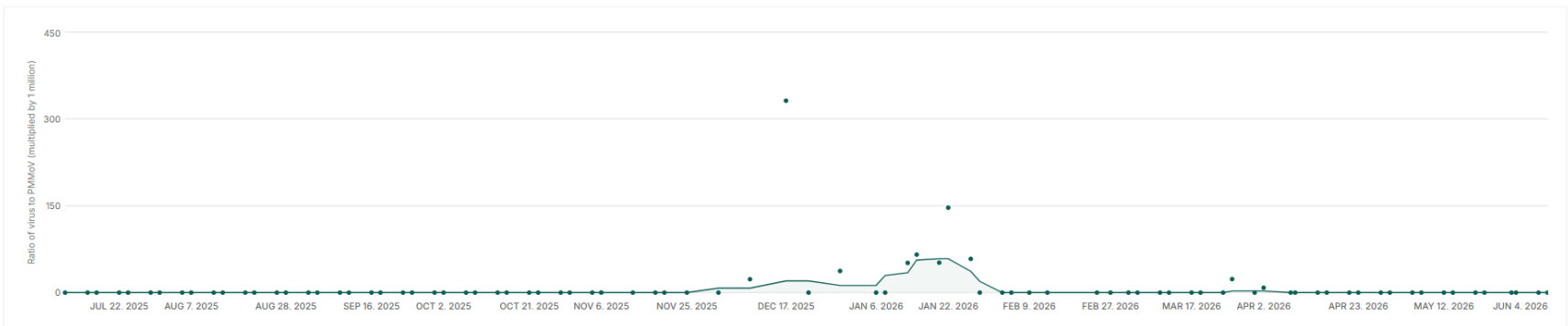
☒ PMMoV normalized ☒ Show Outliers

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

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

[Learn more](#)

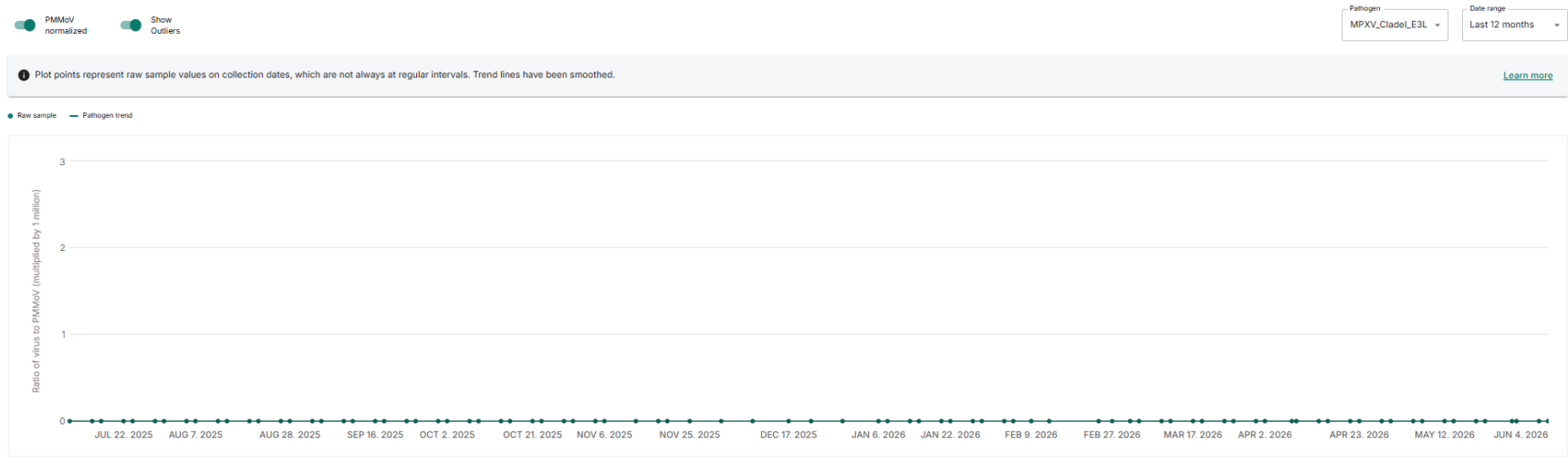
Raw sample Pathogen trend



Heat map of pathogen levels for Carmel Area WD (CA) - Facility Influent

Monkey Pox Virus (MPKV) – Past 12 Months:

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

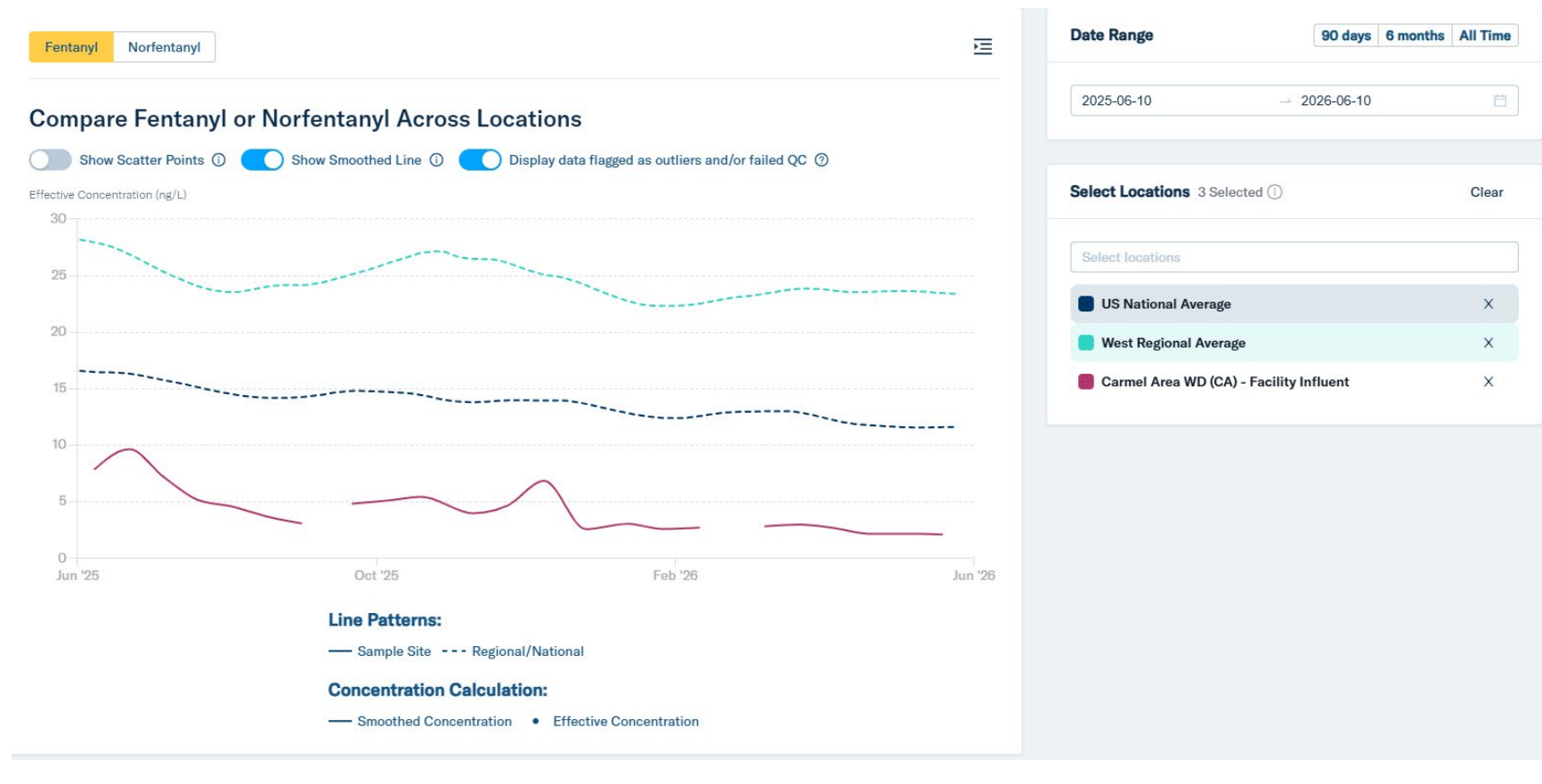


Heat map of pathogen levels for Carmel Area WD (CA) – Facility Influent

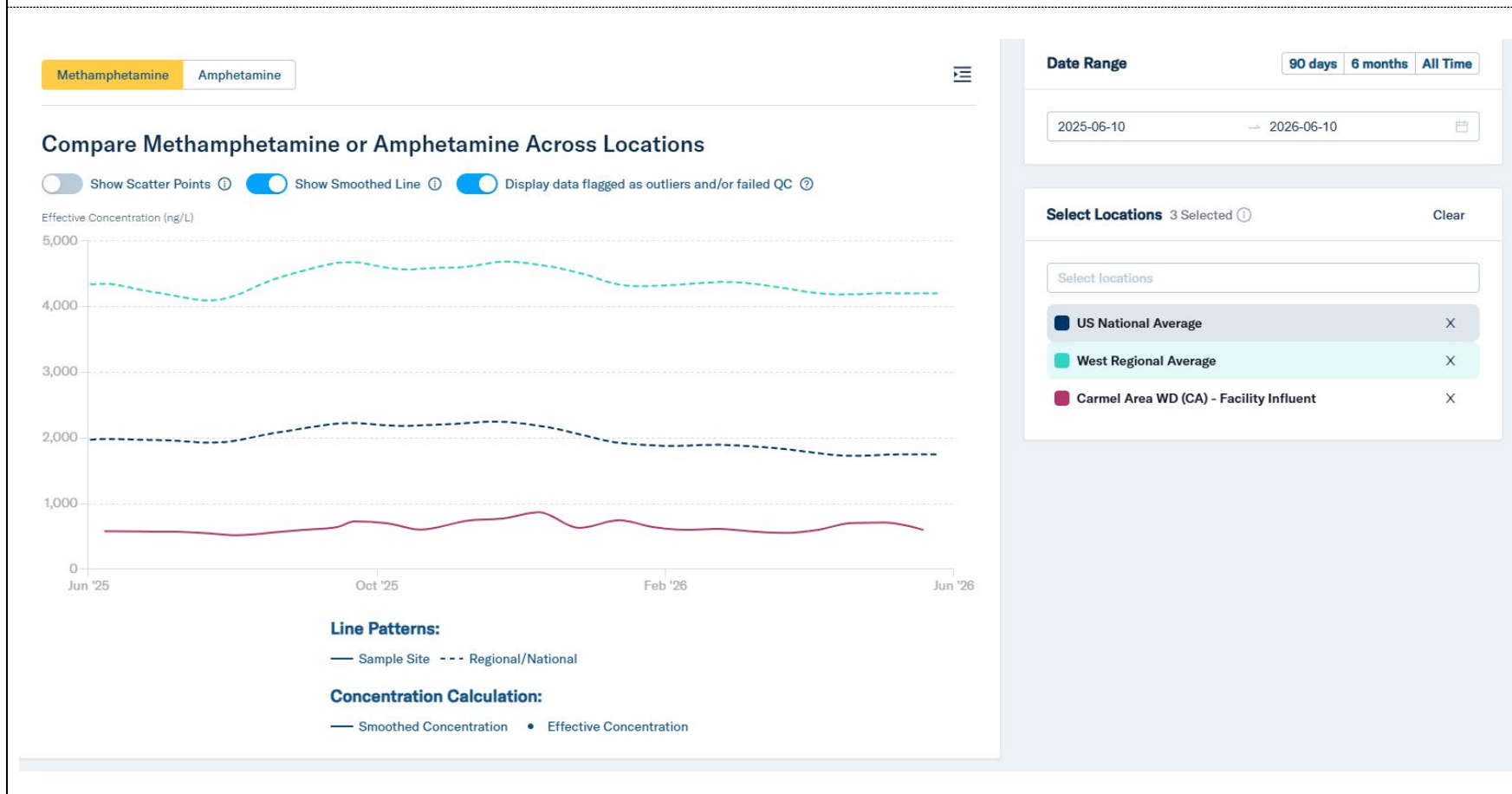
HIGH RISK SUBSTANCES

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

Fentanyl – Past 12 Months:



Methamphetamine – Past 12 Months:



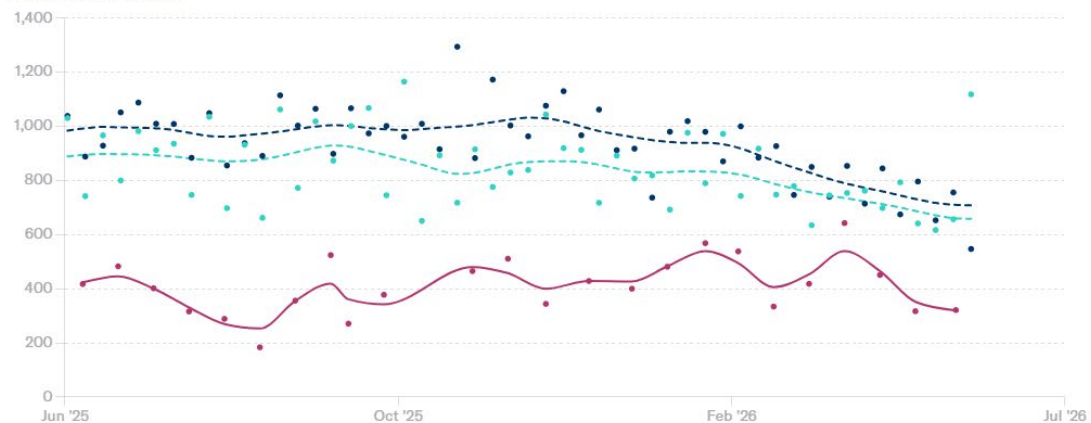
Cocaine – Past 12 Months:

Cocaine Benzoyllecgonine

Compare Cocaine or Benzoyllecgonine 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

2025-06-10 → 2026-07-10

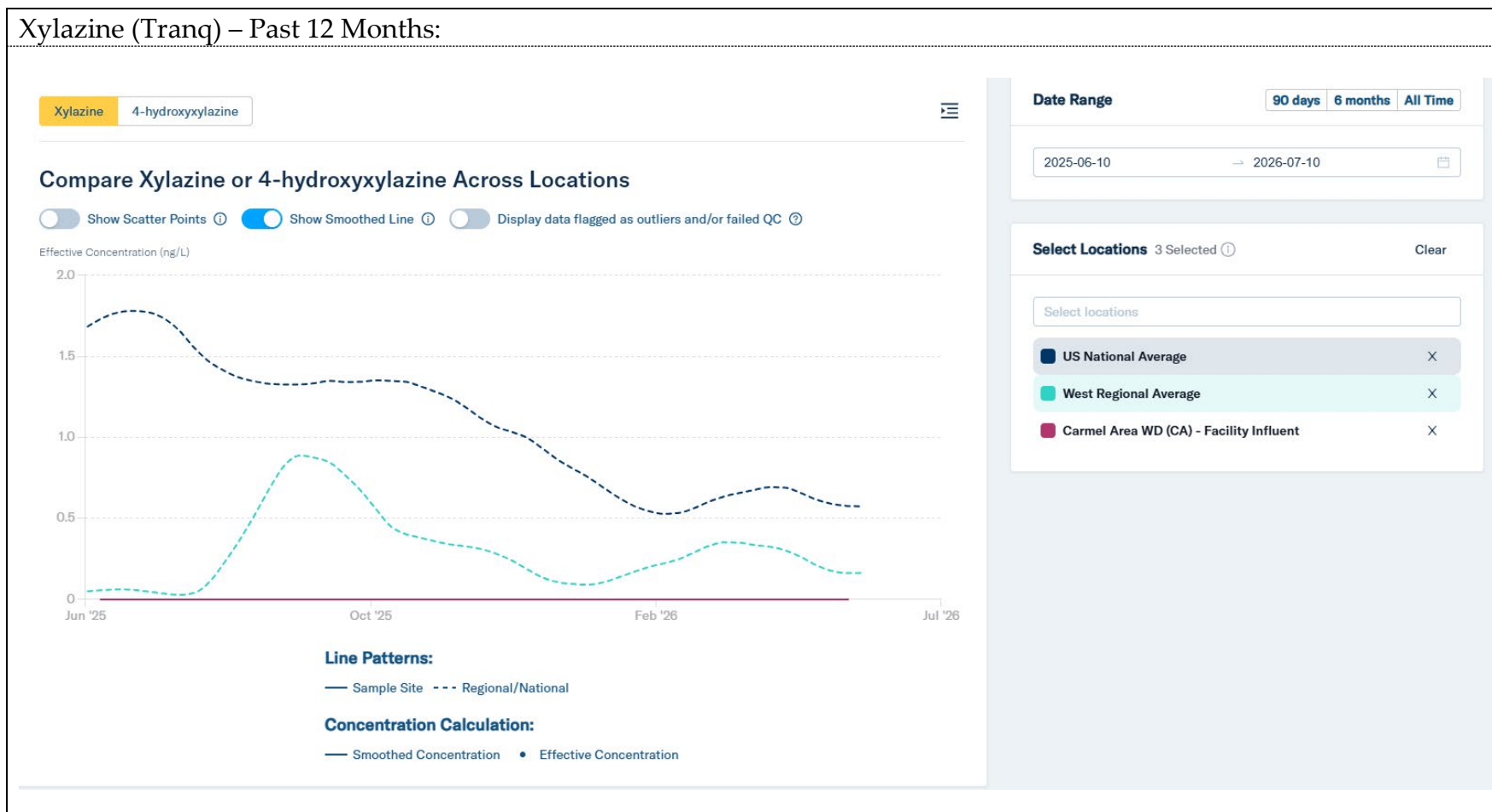
Select Locations 3 Selected ⓘ

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