## **EPA Investigations**



#### October 16, 2023

- ✓ EPA interviewed 5 residents with DW concerns on October 16, 2023
  - 3 of the 4 homes sampled had TPH detections (50-70 ppb range).
  - Skin irritation/rash associated with bathing was most common concern
- ✓ Report issued December 2023 and included following recommendations:
  - Provide training to Navy representatives visiting homes
  - Develop one-page pamphlet with important information
  - Investigate premise plumbing
  - Investigate root cause of TPH, sheen, and symptoms
  - Provide alternative water to homes while waiting for sample results and/or pending investigation

#### February 14-16, 2024

- ✓ EPA interviewed 13 residents after receiving another batch of complaints.
- ✓ Report forthcoming.

### **TPH Applicability in Drinking Water**

- EPA regulates over 90+ contaminants in drinking water:
  - Standards or MCLs
  - Approved analytical methods
  - Best Available Treatment
- TPH is not regulated in drinking water.
- For unknowns and mixtures:
  - Test for the most potent toxic constituents
  - Use peer-reviewed toxicity information

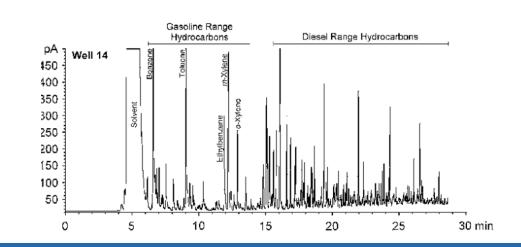




# **EPA Response to Increase in TPH Detections and Water**Quality Concerns



- EPA review of Chromatograms (Fingerprint Analysis)
  - Graphs of the chemical signature (pattern) from the separation of mixture components compared against fuel chromatograms
  - Preliminary EPA findings\*: patterns do not resemble JP-5 fuel
  - EPA to conduct further dataset reviews
- EPA to collect/analyze split samples
- ☐ EPA to conduct independent inspection
- EPA to require Navy to continue sampling/testing of JBPHH water system as part of 2023 ACO
- EPA to identify added analytes for future testing
- ☐ EPA to engage ORD, ATSDR



<sup>[\*</sup> based on limited dataset]