

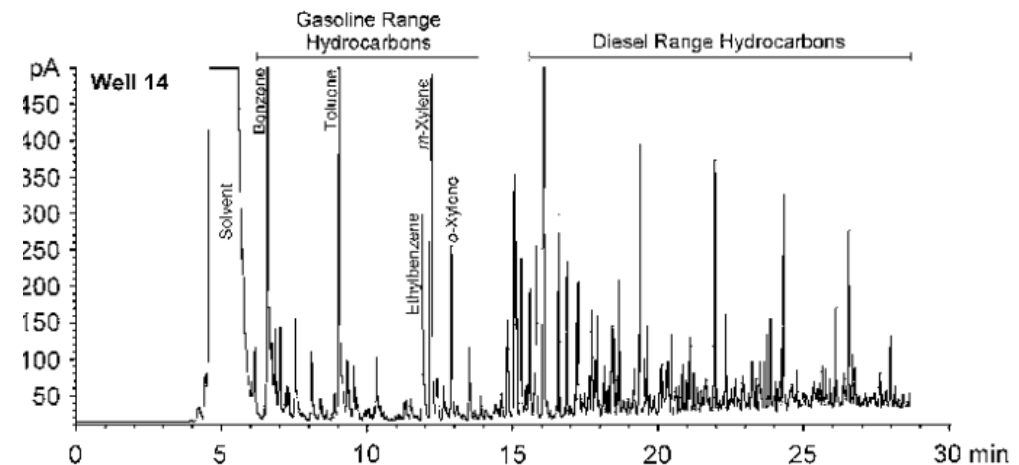
EPA Drinking Water Updates Fuel Tank Advisory Committee Meeting

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US EPA R9 | Drinking Water Section



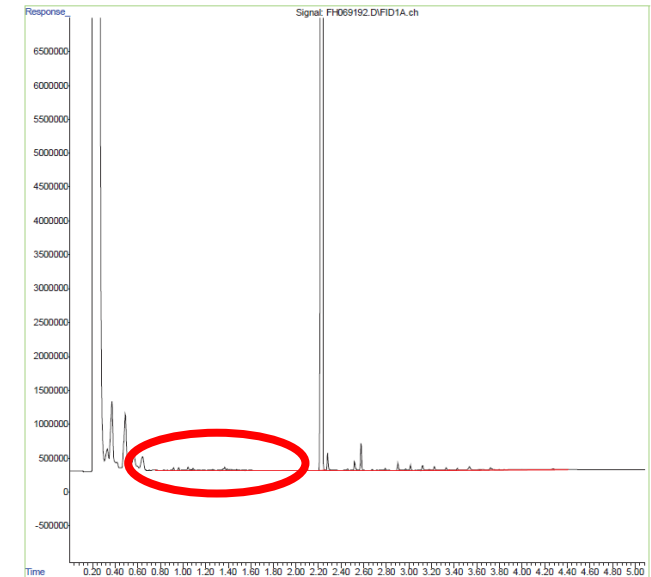
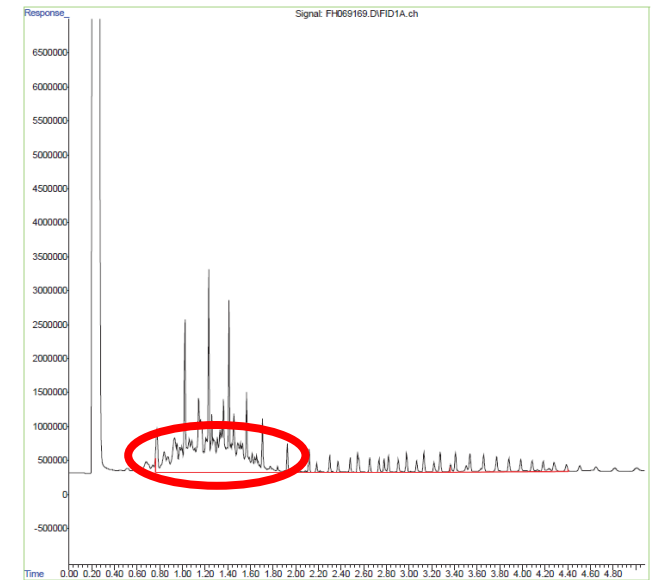
TPH Monitoring during Long Term Monitoring (LTM)

- The Drinking Water Long Term Monitoring Plan (LTM) for the JBPHH and AMR water systems was developed by the Navy and Army as a long-term approach to monitor the water system following the removal of the public health advisory.
- Total Petroleum Hydrocarbon (TPH) is a mixture of chemicals derived from crude oil.
 - TPH is not regulated under the Safe Drinking Water Act.
 - EPA Method 8015 and 8260 are not drinking water methods.
- The project-specific screening level in LTM for TPH was established as 266 ug/L.



Learnings from LTM

- Data observed over the 2-year course of LTM strongly suggests no presence of JP-5 in the JBPHH drinking water system.
 - Detections above LTM screening levels have been addressed.
 - Drinking water remains safe following lift of public health advisory.
- Increased occurrences of total TPH concentrations above the screening level during LTM were reviewed by EPA and DOH.
 - Reviewed datasets, test methods, side-by-side comparisons, etc.
 - No JP-5 or fuel pattern identified in chromatograms
 - DOH Independent forensic investigation
- Lessons learned from LTM have been incorporated into the Navy's Extended Drinking Water Monitoring (EDWM) program that began in April 2024 following the end of LTM.



EPA Response to Increase in TPH Detections in LTM and Water Quality Concerns

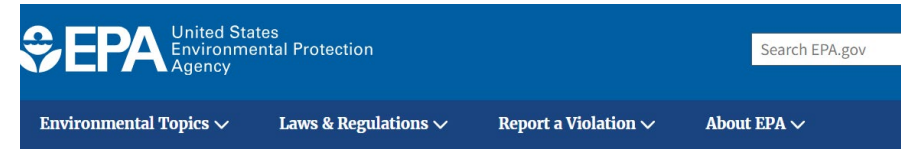
- ✓ EPA review of chromatograms (fingerprint analysis)
- ✓ EPA to collect/analyze split samples
- ✓ EPA to conduct independent inspection
- ✓ EPA to require Navy to continue sampling/testing
- ✓ EPA to identify added analytes for future testing
- ✓ EPA to engage ORD, ATSDR

Upcoming EPA Drinking Water Activities

- EDWM Plan approval and inclusion into 2023 ACO
- EPA split samples data and public viewing dashboard
- EPA laboratory study of chlorine interactions with surrogate
- Final Report for June 2024 EPA Inspection
- Final Report for September 2024 EPA Sampling Audit

Resources

- For EPA's final drinking water investigation reports of JBPHH, visit: <https://www.epa.gov/red-hill/2021-jbphh-drinking-water>.
- For additional information on EPA's work to regulate the Red Hill Bulk Fuel Storage Facility, visit: <https://www.epa.gov/red-hill>.
- If you have questions about EPA's work on Red Hill, please submit your questions via email to RedHill@epa.gov.



Red Hill Bulk Fuel Storage Facility in Hawaii

