

CASE STUDY: FRUITA REFINERY



RCRA Brownfield Site Investigation

The Fruita Refinery is located in a rural setting just west of Fruita, Colorado. The site was originally developed in 1957 to process gilsonite, a solid hydrocarbon ore (oil-bearing mineral) into liquid products and petroleum coke.

The Pace Mobile Lab services team was deployed onsite to the Fruita Refinery, a Brownfield Resource Conservation and Recovery Act (RCRA) location, to provide analysis.

EPA Triad Approach

The project used the Triad Approach, a model advocated by the EPA for systematic planning, dynamic work plans, and real-time data analysis. The advantage of the Triad Approach over traditional models is that it reduces the uncertainty of environmental conditions, accelerates the characterization of environmental effects, and provides cost savings through lower cost field analytical methodologies and reduced mobilizations over the course of the project.

Project Summary

- Real-time Mobile Lab Analysis using the EPA Triad Approach
- Increased data density to reduce overall project error
- Cost per sample significantly reduced compare to fixed-base laboratory
- Large volumes of daily sample results provided next-day

Mobile Lab Analysis Methods

Compound	Method
Volatile Organic Compounds (VOCs)	8260
Semi-Volatile Organic Compounds (SVOCs)	8270

Pace Mobile Lab Services

The Pace Mobile Lab services team specializes in responding to the needs of unique projects across the country. If you need to quickly process large amounts of samples at a remote location, our team may be your most cost-effective option.



"...on-site laboratory and staff were challenged in the field to process a high quantity of samples involving multiple EPA test methods. Utilizing data generated on site allowed for an increase in data density, reduced chance of data gaps, and better reflection of true site conditions. Their dedicated commitment to get the job done greatly enhanced the value of utilizing the Triad Approach."

-Mark Rudolph
Colorado Department of Public Health & Environment

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Pace Mobile Labs hold multiple state and federal certifications, are equipped with full-size instruments and staffed with highly experienced chemists. Contact us or visit our webpage to learn more about our mobile service capabilities.

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