

A.1 Technology Name

Thin-walled Sampler

A.1.1 Source

GHD - Not published

A.1.2 Summary

Media:	LNAPL in soil
Study Type:	Other
Technology:	Grab
Peer Reviewed:	No
Publication Date:	Not published

A.1.3 Site Description

- General site description and conditions – Historical diesel releases at a railyard fueling facility in Arkansas.
- Contaminants of concern – LNAPL (diesel)
- Sampling frequency of contaminants of concern – one time
- Technology used – Thin-walled sampler

A.1.4 Remedial Phase

Used in mobility assessment of light non-aqueous phase liquid (LNAPL) to provide evidence in support of the risk management of LNAPL in place as an appropriate and effective remedy for the Site.

A.1.5 Outcome

The LNAPL saturation and residual saturation (via Water Drive testing) results indicated that no LNAPL was produced during any of the Water Drive testing. This indicated that the LNAPL at the tested locations was at or below residual saturation, or effectively immobile.

A.1.6 References

List references or citations.

- 1) API (American Petroleum Institute). 2001. Methods for Determining Inputs to Environmental Petroleum Hydrocarbon Mobility and Recovery Models, Publication Number 4711, July 2001.
- 2) API (American Petroleum Institute). 2002. Evaluating Hydrocarbon Removal from Source Zones and its Effect on Dissolved Plume Longevity and Magnitude, Regulatory Analysis and Scientific Affairs Department, Publication Number 4715, September 2002.

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30 American Petroleum Institute, Washington, District of Columbia, August 2004.
- 31 4) ASTM (ASTM International). 2007. E 2531 06: Standard Guide for Development of
32 Conceptual Site Models and Remediation Strategies for Light Nonaqueous Phase Liquids
33 Released to the Subsurface. ASTM Committee E50 on Environmental Assessment, Risk
34 management and Corrective Action, ASTM International, West Conshohocken, PA,
35 February 2007.
- 36 5) ITRC (Interstate Technology & Regulatory Council). 2018. LNAPL Site Management: LCSM
37 Evolution, Decision Process, and Remedial Technologies, LNAPL- Washington, D.C.:
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