



Indiana Cleanup Standards for Hydrocarbon Contaminated Groundwater

Product ¹	Parameter/ Constituent	Acceptable Methods	Detection Level	Notification Level	Action Level	Cleanup Level
Gasoline and ethanol fuels	VOCs ² , naphthalenes ³	EPA 8260B or other appropriate method such as 8260 SIM	Residential screening level	Any detection	Migration to ground water screening level or ground water detection	Residential RO ⁵ or remedy specific RO with institutional controls ⁶
	Total Lead ⁴	EPA 6010 or other appropriate method	Residential screening level	Any detection	Migration to ground water screening level or ground water detection	Residential RO ⁵ or remedy specific RO with institutional controls ⁶
Diesel	VOCs	EPA 8260B or other appropriate method	Residential screening level	Any detection	Migration to ground water screening level or ground water detection	Residential RO ⁵ or remedy specific RO with institutional controls ⁶
	PAHs	EPA 8270C or other appropriate method	Residential screening level	Any detection	Migration to ground water screening level or ground water detection	Residential RO ⁵ or remedy specific RO with institutional controls ⁶

Product ¹	Parameter/ Constituent	Acceptable Methods	Detection Level	Notification Level	Action Level	Cleanup Level
Waste/used Oil and Unknown refined petroleum product or waste	VOCs ²	EPA 8260B or other appropriate method	Residential screening level	Any detection	Migration to ground water screening level or ground water detection	Residential RO ⁵ or remedy specific RO with institutional controls ⁶
	PAHs	EPA 8270C or other appropriate method	Residential screening level	Any detection	Migration to ground water screening level or ground water detection	Residential RO ⁵ or remedy specific RO with institutional controls ⁶
	Total Lead ⁴	EPA 6010 or other appropriate method	Residential screening level	Any detection	Migration to ground water screening level or ground water detection	Residential RO ⁵ or remedy specific RO with institutional controls ⁶

¹ The information in this table is based on the Remediation Program Guide (RPG), the transition policy in Section 1.4 and Table 3.1 and the Remediation Closure Guide (RCG) Appendix A Screening Levels found at <http://www.in.gov/idem/4153.htm>.

² Report all VOCs utilizing SW846 Method 8260B and ethyl dibromide (EDB) utilizing SW846 Method 8011 for unknown products and wastes, aviation gas, racing fuel, and when automotive gas was used or stored before January 1, 1996.

³ Report all naphthalenes include naphthalene, 1-methylnaphthalene and 2-methylnaphthalene utilizing SW 846 Method 8260B or other appropriate method.

⁴ Report total lead for waste oil, unknown products and wastes, aviation gas, racing fuel, and when automotive gas was used or stored before January 1, 1996

⁵ Residential screening levels for site specific remediation objective for unconditional closures. Refer to RCG Appendix A.

⁶ Institutional closure options include environmental restrictive covenants (including engineering controls when necessary) or environmental restrictive ordinances. Refer to RCG.

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Indiana Cleanup Standards for Hydrocarbon Contaminated Soil

Product ¹	Parameter/ Constituent	Acceptable Methods	Detection Level	Notification Level	Action Level	Cleanup Level
Gasoline and ethanol fuels	VOCs ² , naphthalenes ³	EPA 8260B or other appropriate method	Residential screening level	Any detection	Residential Remediation Objective	Residential Remediation Objective (RO) ⁵ or remedy specific RO with institutional controls ⁶
	Total Lead ⁴	EPA 6020 or other appropriate method	Residential screening level	Any detection	Residential Remediation Objective	Residential RO ⁵ or remedy specific RO with institutional controls ⁶
Diesel	VOCs ²	EPA 8260B or other appropriate method	Residential screening level	Any detection	Residential Remediation Objective	Residential RO ⁵ or remedy specific RO with institutional controls ⁶
	PAHs	EPA 8270C or other appropriate method	Residential screening level	Any detection	Residential Remediation Objective	Residential RO ⁵ or remedy specific RO with institutional controls ⁶

Product ¹	Parameter/ Constituent	Acceptable Methods	Detection Level	Notification Level	Action Level	Cleanup Level
Waste/used Oil and Unknown refined petroleum product or waste	VOCs ²	EPA 8260B or other appropriate method	Residential screening level	Any detection	Residential Remediation Objective	Residential RO ⁵ or remedy specific RO with institutional controls ⁶
	PAHs	EPA 8270B or other appropriate method	Residential screening level	Any detection	Residential Remediation Objective	Residential RO ⁵ or remedy specific RO with institutional controls ⁶
	Total Lead ⁴	EPA 6020 or other appropriate method	Residential screening level	Any detection	Residential Remediation Objective	Residential RO ⁵ or remedy specific RO with institutional controls ⁶

¹ The information in this table is based on the Remediation Program Guide (RPG), the transition policy in Section 1.4 and Table 3.1 (amended) and the Remediation Closure Guide (RCG) Appendix A Screening Levels found at <http://www.in.gov/idem/4153.htm>.

² Report all VOCs utilizing SW846 Method 8260B

³ Report all naphthalenes include naphthalene, 1-methylnaphthalene and 2-methylnaphthalene utilizing SW 846 Method 8260B or other appropriate method.

⁴ Report total lead for waste oil, unknown products and wastes, aviation gas, racing fuel, and when automotive gas was used or stored before January 1, 1996

⁵ Residential screening levels for site specific remediation objective for unconditional closures Refer to RCG Appendix A.

⁶ Institutional closure options include environmental restrictive covenants (including engineering controls when necessary) or environmental restrictive ordinances. Refer to RCG Appendix A.

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