

Laboratory Environmental & Industrial Biotechnology Division, The Energy and Resources Institute, Darbari Seth Block, IHC Complex, Lodhi Road, New Delhi

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing

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Last Amended on -

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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I. BUILDING MATERIALS

1.	Soil/Sludge	Hexane extractable petroleum hydrocarbons	USEPA-9071B USEPA-3540 USEPA-3541	1 % to 100 %
		Soxhlet Extraction		
		Automated Soxhlet Extraction		
		Fractionation into aliphatic and aromatic fractions by column chromatography	USEPA-1664 USEPA-3630C	1 % to 100 %
		Aliphatic hydrocarbon C10-C36	EPA 8015C (Feb, 2007)	Qualitative (Present/Absent)
		Aromatic Hydrocarbon Polynuclear Aromatic Hydrocarbons Acenaphthene, Acenaphthylene, Pyrene, Anthracene, Fluorene, Benzo(a)anthracene, Benzo(a)pyrene, Phenanthrene, Chrysene, Benzo(b)fluoranthene, Fluoranthene, Benzo(k)fluoranthene, Naphthalene, Indeno(1,2,3-cd)pyrene, Benzo(ghi)perylene, Dibenzo(a,h)anthracene	EPA 8100 (Sep, 1986)	Qualitative (Present/Absent)

-X-X-X-X-X-X-X-X-X-X-X-X-