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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
ENVIRONMENTAL-ACUSTIC (Sampling and Field Measurement)	Environmental Noise	Environmental Noise	NTP ISO 1996-1:2020. Acoustics. Description, measurement and assessment of environmental noise. Part 1: Basic quantities and assessment procedures / NTP ISO 1996-2:2021. Acoustics. Description, measurement and assessment of environmental noise. Part 2: Determination of sound pressure levels.
ENVIRONMENTAL - ORGANIC (Sampling and Analysis)	Air	Benzene (C ₆ H ₆)	NTP 712.107:2020. ENVIRONMENTAL QUALITY MONITORING. Method of measuring the environmental concentration of benzene in ambient air. Part 2: Aspiration sampling followed by solvent desorption and gas chromatography
		Total Hydrocarbons Expressed as Hexane	ASTM D3687-19. 2019 Standard Test Method for Analysis of Organic Compound Vapors Collected by the Activated Charcoal Tube Adsorption Method / ASTM D3686-20. 2020. Standard Practice for Sampling Atmospheres to Collect Organic Compound Vapors (Activated Charcoal Tube Adsorption Method)
	Soils and Sediments	Polychlorinated biphenyls (PCBs): (PCB 28, PCB 52, PCB 101, PCB 118,	EPA Method 8270 E Rev. 06. 2018. Semivolatile Organic Compounds by Gas

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		PCB 153, PCB 138, PCB 180, PCB Total)	Chromatography/Mass Spectrometry
ENVIRONMENTAL - INORGANIC (Sampling and Field Measurement)	Natural water	Floating Material of Anthropogenic origin	Qualitative Determination of Floating Material of anthropogenic origin based on the NMX-AA-006-SCFI-2010 standard (Validated. 2021).
	Wastewater, Natural Water, Water for Human use and consumption and Saline Water.	Dissolved Oxygen	NTP 214.046:2013 (Reviewed, 2018) WATER QUALITY. Determination of dissolved oxygen in water. Instrumental probe method. Sensor based on Luminescence 1 ^a Edition
		Oxidation - Reduction Potential (ORP).	SMEWW-APHA-AWWA-WEF Part 2580 B, 23rd Ed. 2017. Oxidation - Reduction Potential (ORP). Oxidation - Reduction Potential Measurement in Clean Water.
	Air	Total Gaseous Mercury (Hg)	NTP 900.068: 2016/COR 1: 2017. Environmental Quality Monitoring. Air quality. Standardized method for the determination of total gaseous mercury.
Meteorological parameters: Environmental Temperature, Relative humidity, Environmental pressure, Precipitation, Wind speed and Wind direction (Wind rose)		EPA-454/B-08-002 March 2008. Quality Assurance Handbook for Air Pollution Measurement Systems. Volumen IV: Meteorological Measurements Version 2.0 (Final) modified according to Protocol of Meteorological Parameters IC-MON-009, rev 07. (Validated, 2022)	
ENVIRONMENTAL - INORGANIC (Sampling and Analysis)	Stationary source emissions	Particulate Matter (PM)	EPA 40 CFR, Appendix A-3 to Part 60, Method 5. 2020— Determination of particulate matter emissions from stationary sources.
		Metals in emissions: Silver (Ag), Arsenic (As), Barium (Ba), Beryllium (Be), Cadmium (Cd),	EPA 40 CFR, Appendix A-8 to Part 60 Method 29. 2019 - Determination of metals

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
ENVIRONMENTAL - INORGANIC (Sampling and Analysis) (continued)		Chromium (Cr), Cobalt (Co), Copper (Cu), Manganese (Mn), Nickel (Ni), Phosphorus (P), Lead (Pb), Antimony (Sb), Selenium (Se), Thallium (Tl), Zinc (Zn).	emissions from stationary sources
	Soils and Sediments	Organic matter	NOM-021-RECNAT-2000-Salinity Specifications and Soil Classification. Studies, Sampling and Analysis. Section 7.1.7 Determination of Soil Organic Matter - Walkley Black Method modified according to Determination of Organic Matter in soils and sediments IC-MA-146, rev 01. (Validated, 2022)
	Vegetable tissue	Total Metals in vegetable tissue: Antimony (Sb), Arsenic (As), Barium (Ba), Calcium (Ca), Cadmium (Cd), Chromium (Cr), Copper (Cu), Iron (Fe), Potassium (K), Magnesium (Mg), Manganese (Mn), Molybdenum (Mo), Sodium (Na), Nickel (Ni), Phosphorus (P), Lead (Pb), Strontium (Sr), Silver (Ag), Vanadium (V), Zinc (Zn).	EPA Method 200.3. Rev. 1. 1991. Sample preparation procedure for spectrochemical. Determination of total recoverable elements in biological Tissues modified according to Determination of Total Metals in plant tissue by ICP-OES IC-MA-147, rev.01 / EPA Method 200.7 Revision 4.4. 1994. Determination of metals and trace elements in water and wastes by inductively coupled plasma-atomic emission spectrometry (Validated, 2022).