

SCIENCE (NUERS LABS) – LIST OF TESTS

#	Test Name	Matrix
1	Metals by ICP (23 elements)	Soil, Air filter, Water, Tissue (Biota), Plant (vegetation), Oil, Soilds
2	Mercury Analysis by Method 7471A	Soil, Air filter, Water, Tissue (Biota), Plant (vegetation), Oil, Soilds
3	Total Organic Carbon by Method 9060	Soil, Air filter, Water, Tissue (Biota), Plant (vegetation), Oil, Soilds
5	Ammonia (as NH ₃ -N) by Method 350.1	Soil, Air filter, Water, Tissue (Biota), Plant (vegetation), Oil, Soilds
6	Nitrate by NANOCOLOR VIS II SPECTROPHOTOMETER	Soil, Air filter, Water, Tissue (Biota), Plant (vegetation), Oil, Soilds
7	Nitrite by NANOCOLOR VIS II SPECTROPHOTOMETER	Soil, Air filter, Water, Tissue (Biota), Plant (vegetation), Oil, Soilds
8	ortho-Phosphate by Method 365.2 (Lachat)	Soil, Air filter, Water, Tissue (Biota), Plant (vegetation), Oil, Soilds
9	Silicate, Dissolved (Colorimetric) by Method 370.1 (Lachat)	Soil, Air filter, Water, Tissue (Biota), Plant (vegetation), Oil, Soilds
10	Phosphorus, Total by Method 365.1 (Lachat)	Soil, Air filter, Water, Tissue (Biota), Plant (vegetation), Oil, Soilds
11	Anions by Ion Chromatography Method 300(Dionex)	Soil, Water
12	pH by method Soil- EPA 150.1/water-9045C	Soil, Water
13	Specific Conductance by US EPA Method 120.1	Soil, Water
14	Chemical Oxygen Demand	Soil/Water
15	Ash Content	Soil/ Vegetation
16	Total Solids	Soil
17	Organic Matter	Soil/ Vegetation
18	Porosity	Soil
19	Chloride	Soil/Water

20	Sodium Adsorption Ratio (SAR)	Soil
21	Dissolved Organic Carbon (DOC)	Soil/Water
22	Turbidity (Nephelometric) by Method 180.1	Water
23	Total Alkalinity by titration	Soil, Water
24	Salinity by titration	Water
25	Chlorophyll by Spectrophotometer	filter
26	Sieve Analysis with Hydrometer by ASTM Method D422	Soil
27	Total Dissolved Solids (TDS) by method EPA 160.1	Water
28	Total Suspended Solids, Non-filterable Residue	Water
29	Percent moisture	Soil
30	Freeze-Drying (max wt/sample 1kg)	Soil, Water, Tissue (Biota), Plant, Solids
31	Pulverization/ Grinding (max wt / sample-1kg)	Soil, Tissue (Biota), Plant, Solids
32	Calorific Value, ParrBomb	Soil/coal/solid/Plant
33	Elemental Analyzer Truspec CHN (carbon-hydrogen-nitrogen)	Soil/coal/solid/Plant
34	Elemental Analyzer Truspec -S (Sulphur)	Soil/coal/solid/Plant
35	Aliphatic Hydrocarbon Profile By GC/FID-(C8-C40)	Soil, Water, Tissue, Plant, Filter (Extraction, Analysis By GC)
36	Total Petroleum Hydrocarbons By GC/FID-(C8-C40)	Soil, Water, Tissue, Plant, Filter (Extraction, Analysis By GC)
37	Polycyclic Aromatic Hydrocarbons	Soil, Water, Tissue, Plant, Filter (Extraction, Analysis By GC- MS)
38	TPH as HEM - USEPA 3546, 9071B modified	Soil, Water, Tissue, Plant, Filter (Extraction & Analysis)
39	Extractable Organic Matter (EOM) - 9071B modified	Soil, Water, Tissue, Plant, Filter (Extraction & Analysis)
40	Determination of PHCs by UVF - MOOPAM method	Water, Soil, Tissue, Plant, Filter (Extraction, Analysis By UVF)

41	Lipid Content - AOAC Method 18.049	Water, Soil, Tissue, Plant, Filter (Extraction & Analysis)
42	Organochlorine Pesticides By GC/ECD	Soil, Water, Tissue, Plant, Filter (Extraction, Analysis By GC)
43	Polychlorinated Biphenyls (PCBs) By GC/ECD	Soil, Water, Tissue, Plant, Filter (Extraction, Analysis By GC)
44	SVOC Analysis	Soil, Water, Tissue, Plant, Filter (Extraction, Analysis By GC)
45	PHALATHAES Analysis	Soil, Water, Tissue, Plant, Filter (Extraction, Analysis By GC-MS)