



S/N	Richflood Laboratory Parameters Available for testing	UNIT
<i>IN-SITU</i>		
1.	Colour	TCU
2.	Odour	TN
3.	Temperature	°C
4.	pH	-
5.	Dissolved Oxygen	mg/L
6.	Ion concentration	ppm
7.	Electrical Conductivity	µS
8.	Total Dissolved Solids	ppm
9.	Salinity	psu/ppt
10.	Electrical Conductivity Potential	mV
11.	Soil Texture	%
12.	Bulk Density	g/cm ³
13.	Permeability	-
14.	Soil Porosity	-
15.	Moisture Content	%
16.	Oxidation Reduction Potential (ORP)	R.mV
17.	Total Suspended Solids	mg/L
18.	Turbidity	NTU

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METALS/HEAVY METALS		
1	Aluminum Alumin(Al)	mg/L
2	Aluminum ECR	mg/L
3	Aluminum (Al)	mg/L
4	Antimony (Sb)	mg/L
5	Arsenic (As)	mg/L
6	Barium (Ba)	mg/L
7	Benzotriazole	mg/L
8	Beryllium (Be)	mg/L
9	Bismuth (Bi)	mg/L
10	Boron (HR)	mg/L
11	Boron (B)	mg/L
12	Cadmium (Cd)	mg/L
13	Cadmium, Dithizone	mg/L
14	Calcium (Ca)	mg/L

15	Cesium (Cs)	mg/L
16	Chromium (Cr)	mg/L
17	Chromium Hex.	mg/L
18	Chromium Hex. AV	mg/L
19	Chromium Total	mg/L
20	Cobalt (Co)	mg/L
21	Copper Bicin	mg/L
22	Copper Bicin. AV	mg/L
23	Copper Porphyrin	mg/L
24	Copper (Cu)	mg/L
25	Cyanide	mg/L
26	Dysprosium (Dy)	mg/L
27	Erbium (Er)	mg/L
28	Europium (Eu)	mg/L
29	Gadolinium (Gd)	mg/L
30	Gallium (Ga)	mg/L
31	Germanium (Ge)	mg/L
32	Gold (Au)	mg/L
33	Hafnium (Hf)	mg/L
34	Indium (In)	mg/L
35	Iodine	mg/L
36	Iodine AV	mg/L
37	Iridium (Ir)	mg/L
38	Iron (Fe)	mg/L
39	Iron FerroMo	mg/L
40	Iron FerroVer	mg/L
41	Iron FerroVer AV	mg/L
42	Iron FerroZine	mg/L
43	Iron FerroZine RL	mg/L
44	Iron Ferrous	mg/L
45	Iron Ferrous AV	mg/L
46	Iron TPTZ	mg/L
47	Iron TPZ AV	mg/L
48	Iron, Total 100mm	mg/L
49	Iron, Total pour-Thru	mg/L
50	Lanthanum (La)	mg/L
51	Lead (Pb)	mg/L
52	Lead Dithizone	mg/L
53	Lead LeadTrak	mg/L
54	Lithium (Li)	mg/L
55	Lutetium (Lu)	mg/L
56	Lutetium (Lu)	mg/L
57	Manganese (Mn)	mg/L
58	Manganese HR	mg/L
59	Manganese LR PAN	mg/L
60	Mercury (Hg)	mg/L
61	Mercury Cold Vap	mg/L
62	Molybdenum (Mo)	mg/L

63	Molybdenum HR	mg/L
64	Molybdenum HR AV	mg/L
65	Molybdenum LR	mg/L
66	Monochlora. HR TNT	mg/L

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69	Nickel (Ni)	mg/L
70	Nickel Heptoxime	mg/L
71	Niobium (Nb)	mg/L
72	Osmium (Os)	mg/L
73	Palladium (Pd)	mg/L
74	Platinum (Pt)	mg/L
75	Potassium (K)	mg/L
76	Praseodymium (Pr)	mg/L
77	Rhenium (Re)	mg/L
78	Rhodium (Rh)	mg/L
79	Rubidium (Rb)	mg/L
80	Ruthenium (Ru)	mg/L
81	Samarium (Sm)	mg/L
82	Scandium (Sc)	mg/L
83	Selenium (Se)	mg/L
84	Silicon (Si)	mg/L
85	Silver (Ag)	mg/L
86	Sodium (Na)	mg/L
87	Strontium (Sr)	mg/L
89	Tantalum (Ta)	mg/L
90	Technetium (Tc)	mg/L
91	Tellurium (Te)	mg/L
92	Terbium (Tb)	mg/L
93	Thallium (Tl)	mg/L
94	Thulium (Tm)	mg/L
95	Tin (Sn)	mg/L
96	Titanium (Ti)	mg/L
97	Tungsten (W)	mg/L
98	Uranium (U)	mg/L
99	Vanadium (V)	mg/L
100	Volatile Acids	mg/L
101	Ytterbium (Yb)	mg/L
102	Yttrium (Y)	mg/L
103	Zinc (Zn)	mg/L
104	Zirconium (Zr)	mg/L
20	Cobalt (Co)	mg/L

21	Copper Bicin	mg/L
22	Copper Bicin. AV	mg/L
23	Copper Porphyrin	mg/L
24	Copper (Cu)	mg/L
25	Cyanide	mg/L
26	Dysprosium (Dy)	mg/L
27	Erbium (Er)	mg/L

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30	Gallium (Ga)	mg/L
31	Germanium (Ge)	mg/L
32	Gold (Au)	mg/L
33	Hafnium (Hf)	mg/L
34	Indium (In)	mg/L
35	Iodine	mg/L
36	Iodine AV	mg/L
37	Iridium (Ir)	mg/L
38	Iron (Fe)	mg/L
39	Iron FerroMo	mg/L
40	Iron FerroVer	mg/L
41	Iron FerroVer AV	mg/L
42	Iron FerroZine	mg/L
43	Iron FerroZine RL	mg/L
44	Iron Ferrous	mg/L
45	Iron Ferrous AV	mg/L
46	Iron TPTZ	mg/L
47	Iron TPZ AV	mg/L
48	Iron, Total 100mm	mg/L
49	Iron, Total pour-Thru	mg/L
50	Lanthanum (La)	mg/L
51	Lead (Pb)	mg/L
52	Lead Dithizone	mg/L
53	Lead LeadTrak	mg/L
54	Lithium (Li)	mg/L
55	Lutetium (Lu)	mg/L
56	Lutetium (Lu)	mg/L
57	Manganese (Mn)	mg/L

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60	Mercury (Hg)	mg/L
61	Mercury Cold Vap	mg/L
62	Molybdenum (Mo)	mg/L
63	Molybdenum HR	mg/L
64	Molybdenum HR AV	mg/L
65	Molybdenum LR	mg/L
66	Monochlora. HR TNT	mg/L
67	Monochloromine LR	mg/L
68	Neodymium (Nd)	mg/L
69	Nickel (Ni)	mg/L
70	Nickel Heptoxime	mg/L
71	Niobium (Nb)	mg/L
72	Osmium (Os)	mg/L
73	Palladium (Pd)	mg/L
74	Platinum (Pt)	mg/L
75	Potassium (K)	mg/L
76	Praseodymium (Pr)	mg/L
77	Rhenium (Re)	mg/L
78	Rhodium (Rh)	mg/L
79	Rubidium (Rb)	mg/L
80	Ruthenium (Ru)	mg/L
81	Samarium (Sm)	mg/L
82	Scandium (Sc)	mg/L
83	Selenium (Se)	mg/L
84	Silicon (Si)	mg/L
85	Silver (Ag)	mg/L
86	Sodium (Na)	mg/L
87	Strontium (Sr)	mg/L
89	Tantalum (Ta)	mg/L
90	Technetium (Tc)	mg/L
91	Tellurium (Te)	mg/L
92	Terbium (Tb)	mg/L
93	Thallium (Tl)	mg/L
94	Thulium (Tm)	mg/L
95	Tin (Sn)	mg/L
96	Titanium (Ti)	mg/L
97	Tungsten (W)	mg/L
98	Uranium (U)	mg/L
99	Vanadium (V)	mg/L
100	Volatile Acids	mg/L
101	Ytterbium (Yb)	mg/L
102	Yttrium (Y)	mg/L
103	Zinc (Zn)	mg/L
104	Zirconium (Zr)	mg/L

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1	Volatile Organic Compounds(VOCs)	mg/L
2	Radionuclides	mg/L
3	Pesticides	mg/L
4	Trinitrotoluene(TNT)	mg/L
5	Semi Volatile Organic Compounds (SVOCS)	mg/L
6	Total Petroleum Hydrocarbon (TPH)	mg/L
7	Polycyclic Aromatic Hydrocarbons (PAH)	mg/L
8	Oil and Grease	mg/L
9	Chloro-Phenols	mg/L
10	Dioxins	mg/L
11	Herbicides	mg/L
12	Phenols	mg/L
13	Decacyclene	mg/L
14	Dibenzene-furan	mg/L
15	Polychlorinated biphenyls (PCBs)	mg/L
16	Pyridine	mg/L
17	2-picoline	mg/L
18	Aniline	mg/L
19	Benzoic Acid	mg/L
20	Acenaphthylene	mg/L
21	Naphthalene	mg/L
22	Isophorone	mg/L
23	2-Nitrophenol	mg/L
24	Acetophenone	mg/L
25	Hexachloroethane	mg/L
26	Ethyl methanesulfonate	mg/L
27	Nitrobenzene	mg/L
28	BTex	mg/L
29	Tannin & Lignin	mg/L
30	Phenols	mg/L
31	Formaldehyde	mg/L

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S/N	Richflood Laboratory Parameters Available for testing	UNIT
BACTERIOLOGY		
1	<i>Total Coliform</i>	

2	<i>Total Bacteria Count</i>	
3	<i>Fecal Coliform</i>	
4	<i>Salmonella sp</i>	
5	<i>Shigella sp</i>	
6	<i>Total Fungi Count</i>	
7	<i>Moulds</i>	
8	<i>Escherichia coli</i>	



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