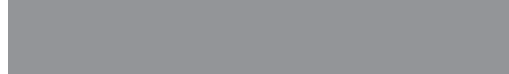




Extraction of DNA from Acidic, Hydrothermally Modified Volcanic Soils

| Sample | Temp. | pH | Description |
|--------|-------|-----|--|
| D6 | 46 C | 1.6 | Surface sample; grey, yellowish dense, sticky soil with very small grain size, and visible yellow and pink crystalline inclusions. |
| D7 | 86 | | |

| | E8 | F9 | F11 ^B |
|-----------------------|-----------------------|-----------|------------------|
| Iron | 6710 | 21900 | 25400 |
| Nitrate-N | ND ^C (<10) | ND (<10) | ND (<10) |
| Ammonia-N | 0.504 | 0.952 | ND (<0.5) |
| Sulfide | 118 | 62.9 | 209 |
| Sulfate | 19000 | 13800 | 1060 |
| Chloride | ND (<50) | ND (<50) | ND (<50) |
| Orthophosphate-P | 1.53 | ND (<0.2) | ND (<0.2) |
| Specific conductivity | 50000 | 7310 | 1150 |
| pH | 1.4 | 3.3 | 3.0 |
| Total organic carb | 841 | ND | ND |



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