

Deposit Analysis Report



Report Prepared For:

Sample Location:

Sample Date:

Heat Exchanger Deposit

10/11/2012

TS #:

NK 619

Report Date:

10/17/2012

Analysis By

MCI

Test
Spot Test Carbonate:

% Content

Positive

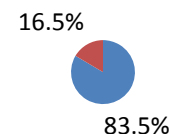
LI Loss on Ignition:

83.5%

AC Ash Content

16.5%

Gross Organic & Inorganic Content



Loss on Ignition equates to loss of water content and then ignition of organic matter contained in the deposit. Ash Content is the residue after ignition and generally represents the inorganic ion content of the deposit.

- 1 Calcium (CaO)
- 2 Magnesium (MgO)
- 3 Iron (Fe₂O₃)
- 4 Iron (Fe₃O₄)
- 5 Copper (Cu)
- 6 Zinc (Zn)
- 7 Sulfate (SO₄)
- 8 Silica (SiO₂)
- 9 Phosphate (PO₄)
- 10 Other (Specify)
- Total

25.2%

<1.0%

4.0%

59.9%

<1.0%

<1.0%

<1.0%

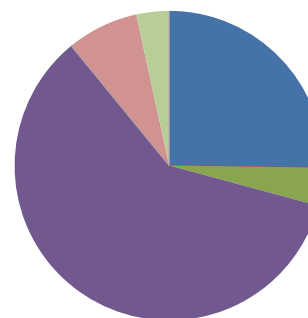
7.5%

3.4%

100.0%

Inorganic Ion Content

1 2 3 4 5 6 7 8 9 10



The adjacent inorganic ion content values reflect the percentage components of the Ash Content of the deposit.

Additional Tests

Bacteria: <10²

ATP Free & Total:

<500,000

Microscopic examination is positive for algal masses

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