

**EXETER ANALYTICAL, INC.**

**Typical Operating Procedures**

**CHN Operation**

Parameters: CT = 20 seconds  
PT = 15 seconds  
Combustion Setpoint = 980 °C  
Reduction Setpoint = 700 °C

Adjust Helium regulator such that FillTime is in the range  
20 – 50 seconds. FT is listed on printer output.  
This will correspond to a regulator output of about 17 PSI.

Adjust Oxygen output to 20 PSI

Calibrate CE-490 at least weekly and after power failures.

Sample and calibration runs should use between 1500 – 2000  
micrograms.

Run Sequence

Empty Blank (\*)  
Empty Blank (\*)  
Empty Blank (\*)  
Empty Blank (\*)  
COND (+)  
COND  
Capsule Blank -> This blank will be used for STD1 and samples  
below.  
  
COND  
STD1  
STD1 → Calibration. System will average the two.  
Sample  
Sample  
“  
“  
  
“  
“  
“  
“  
  
Check standard every 15 samples or so or as per SOP  
Etc.

(\*) Run blanks if the CE-440 has been off for many days

