

## **MEMORANDUM**

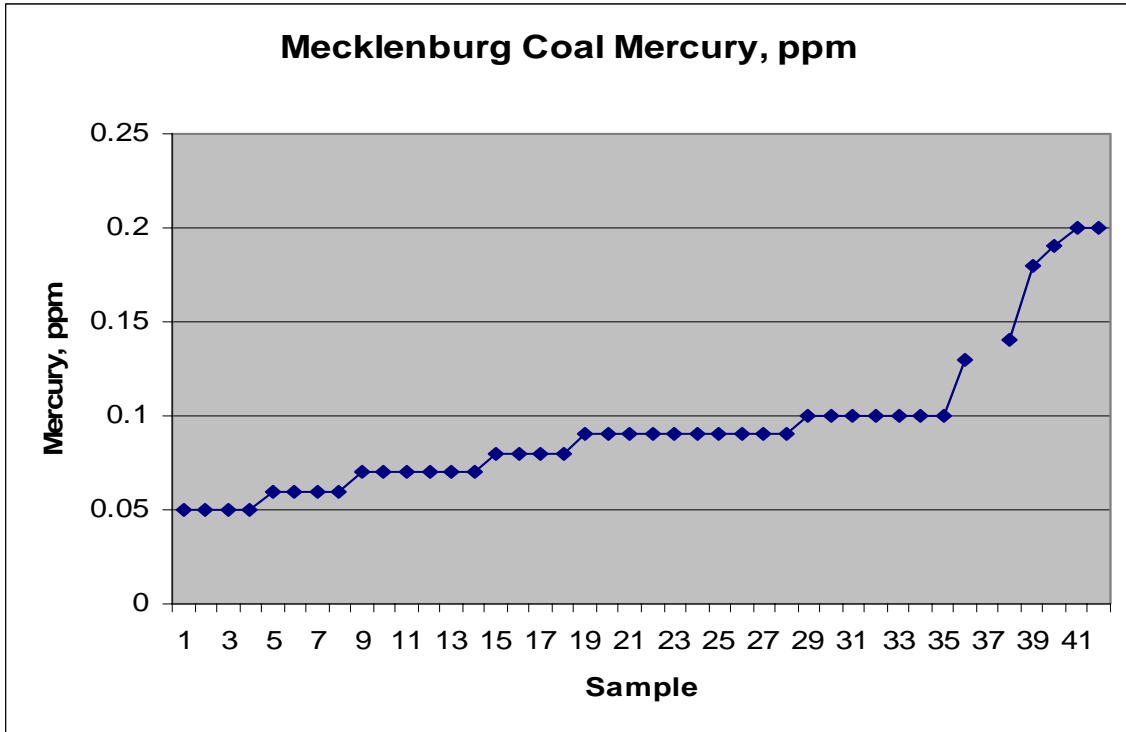
**TO:** EPA-HQ-OAR-2002-0056

**FROM:** William H. Maxwell, Energy Strategies Group, Office of Air Quality Planning and Standards, EPA (D243-01)

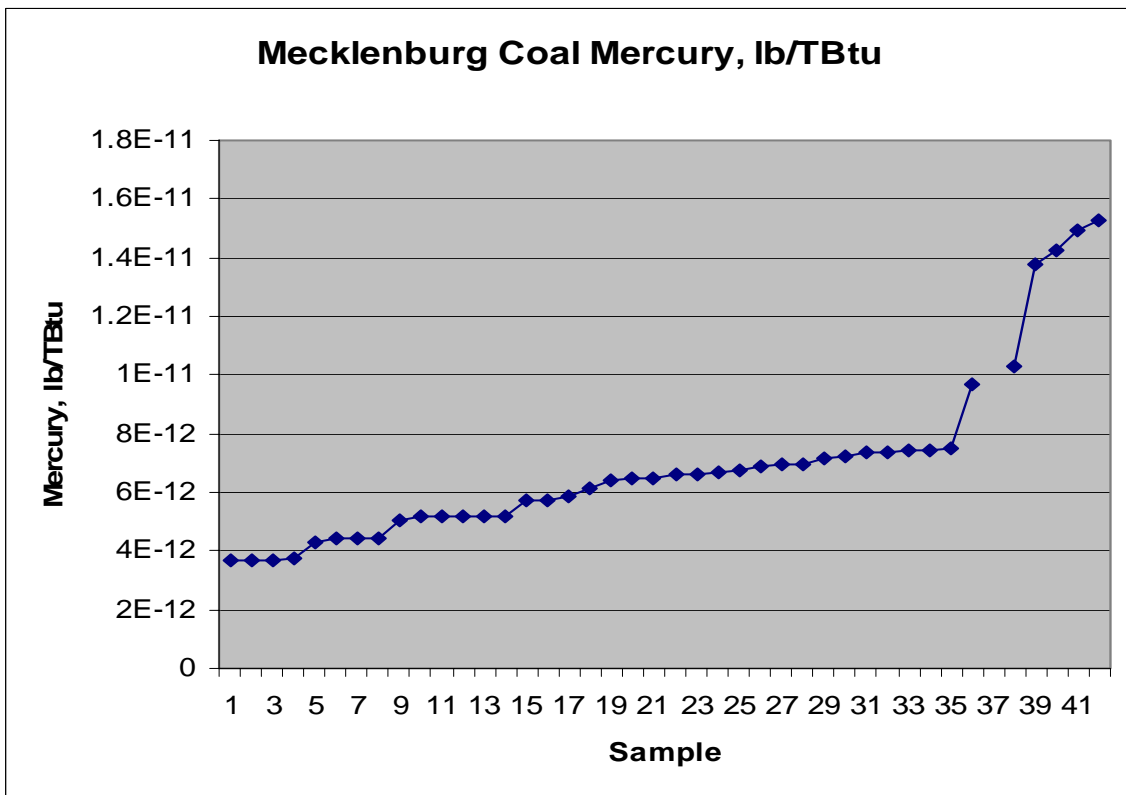
**DATE:** May 31, 2006

**SUBJECT:** Comparison of mercury-in-coal contents of coals used during the speciated mercury emission testing with that of the full year's coals for the same plants

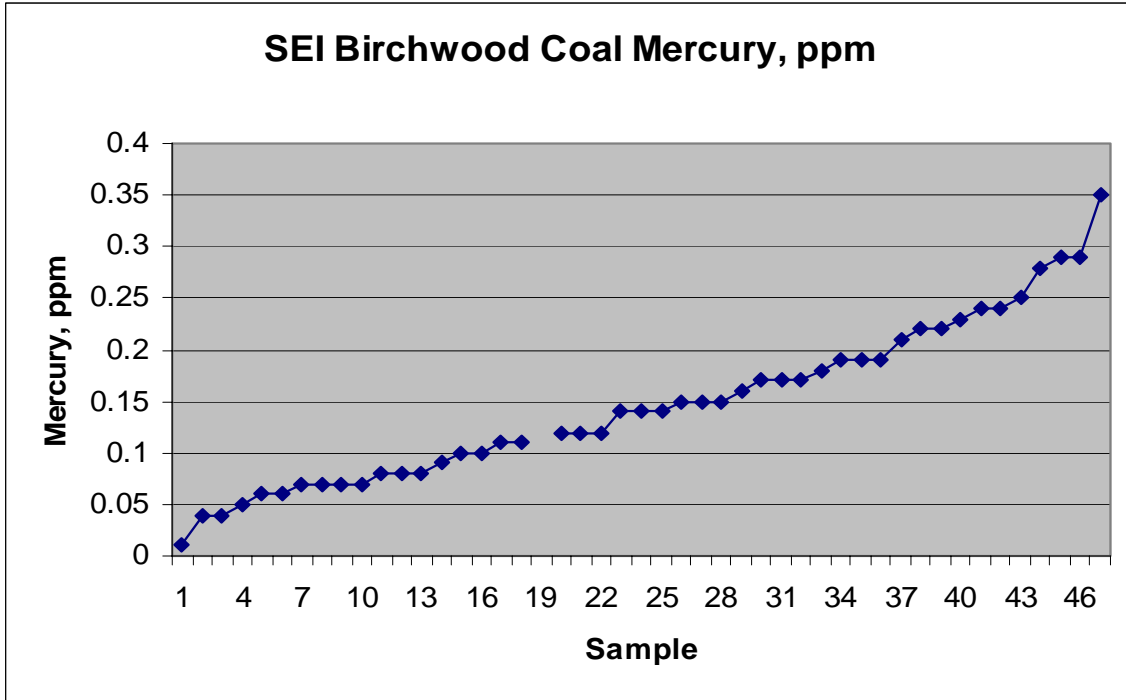
Attached are graphs plotting the mercury-in-coal contents of the coals reported by units identified as employing best demonstrated technology (BDT) in units of parts per million (ppm) and pounds mercury per trillion British thermal units (lb/TBtu). Also identified is the average mercury-in-coal value reported for the period of the speciated mercury emission tests conducted at each facility. All data are from the 1999 information collection request (ICR) activity.



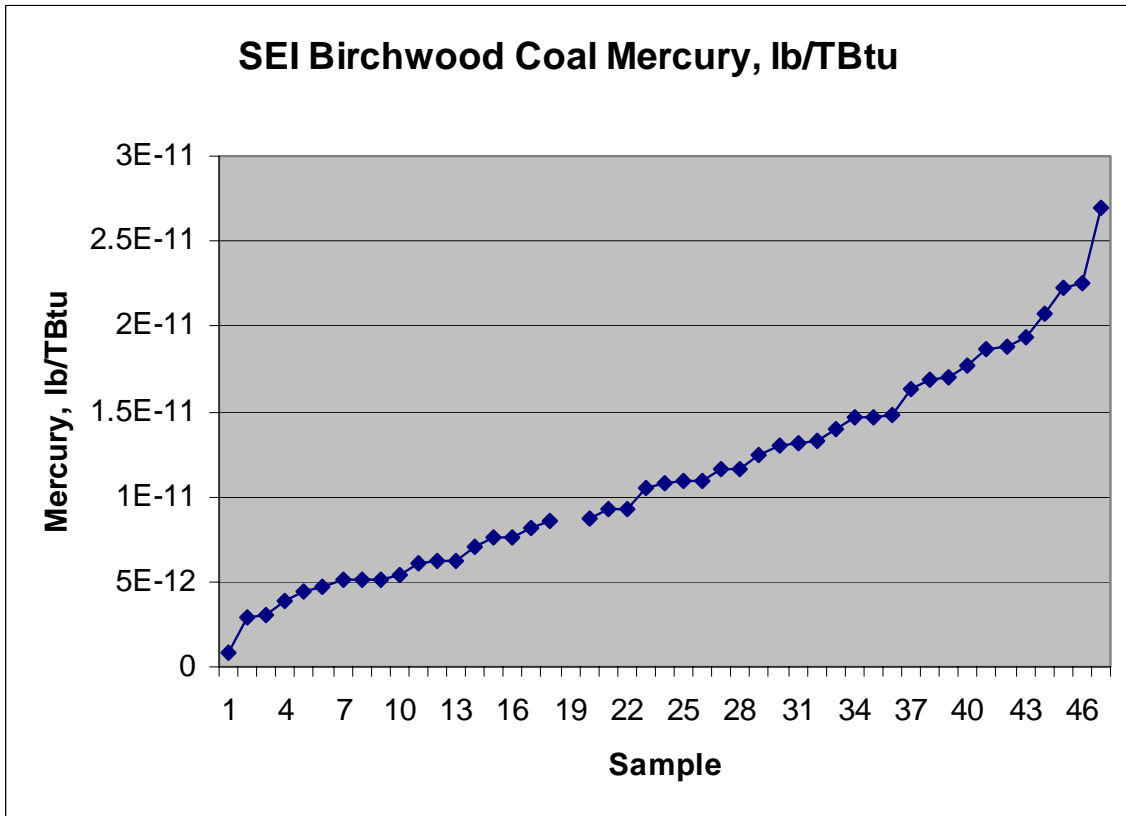
Mecklenburg test coal mercury: 0.10 ppm



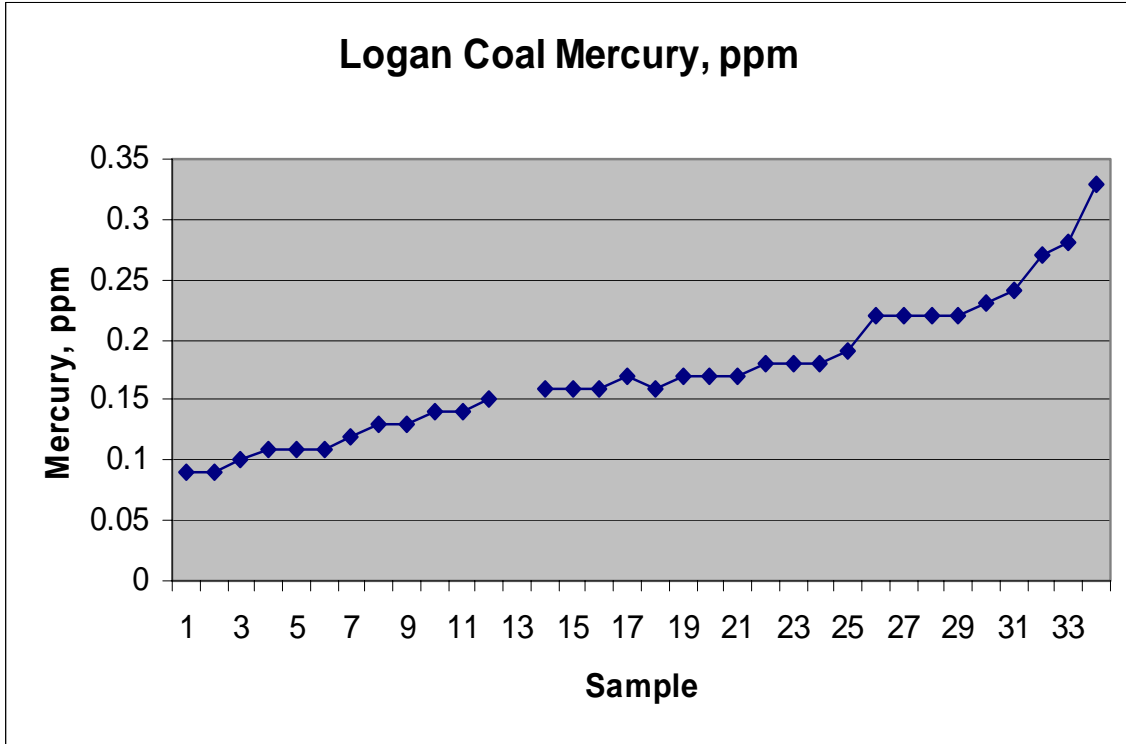
Mecklenburg test coal mercury: 9.9 lb/TBtu



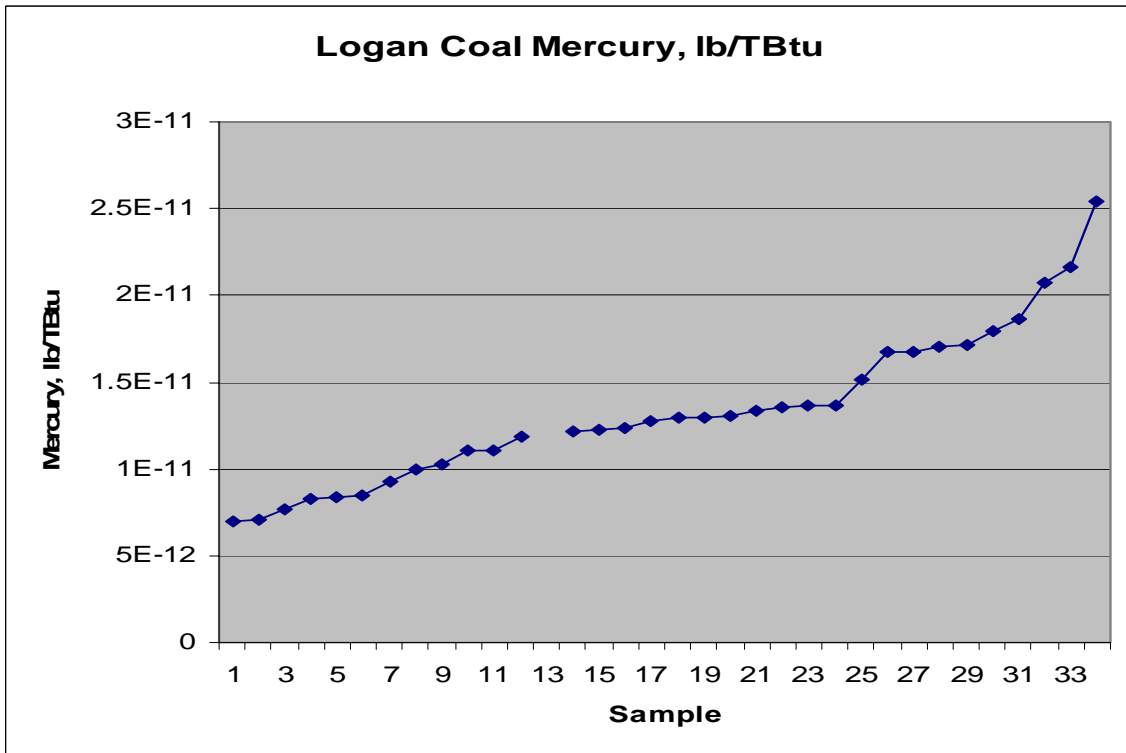
SEI-Birchwood test coal mercury: 0.11 ppm



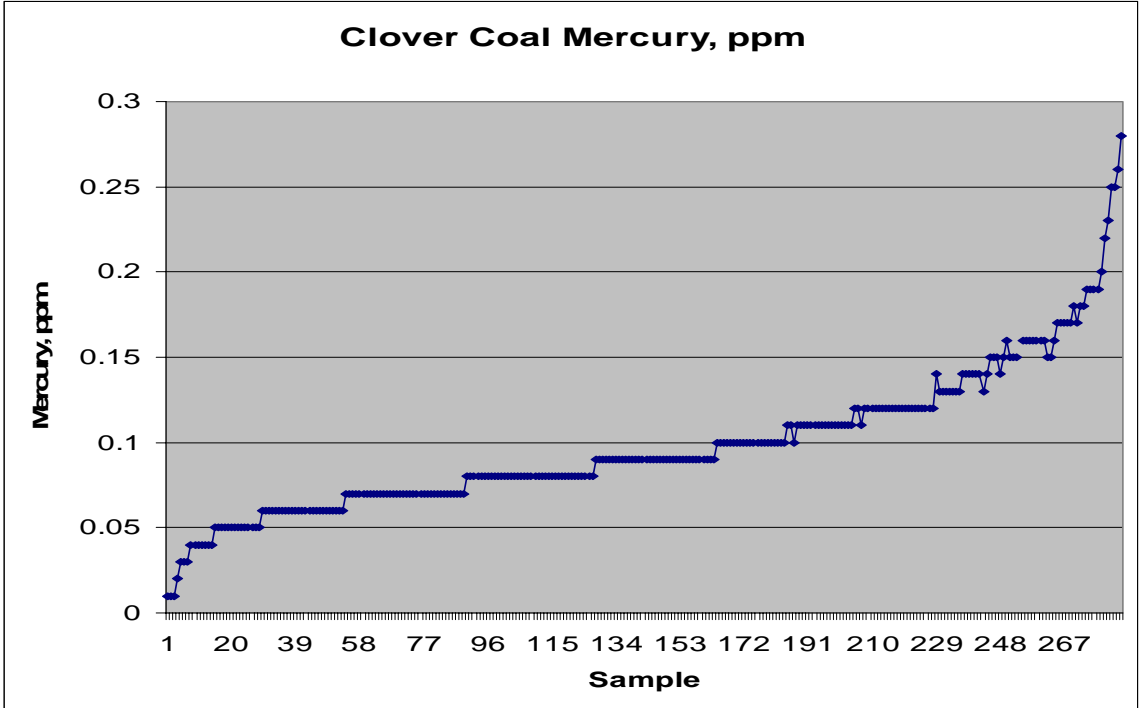
SEI-Birchwood test coal mercury: 8.7 lb/TBtu



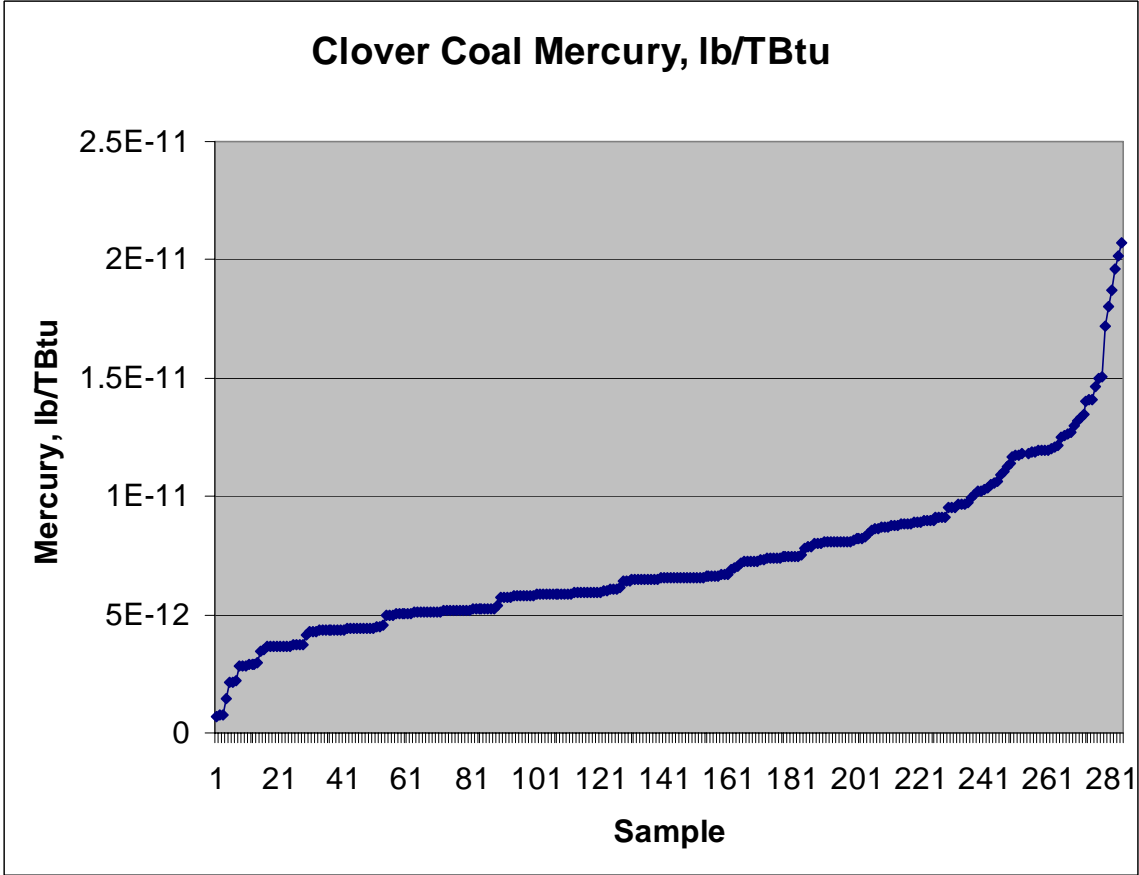
Logan test coal mercury: 0.18 ppm

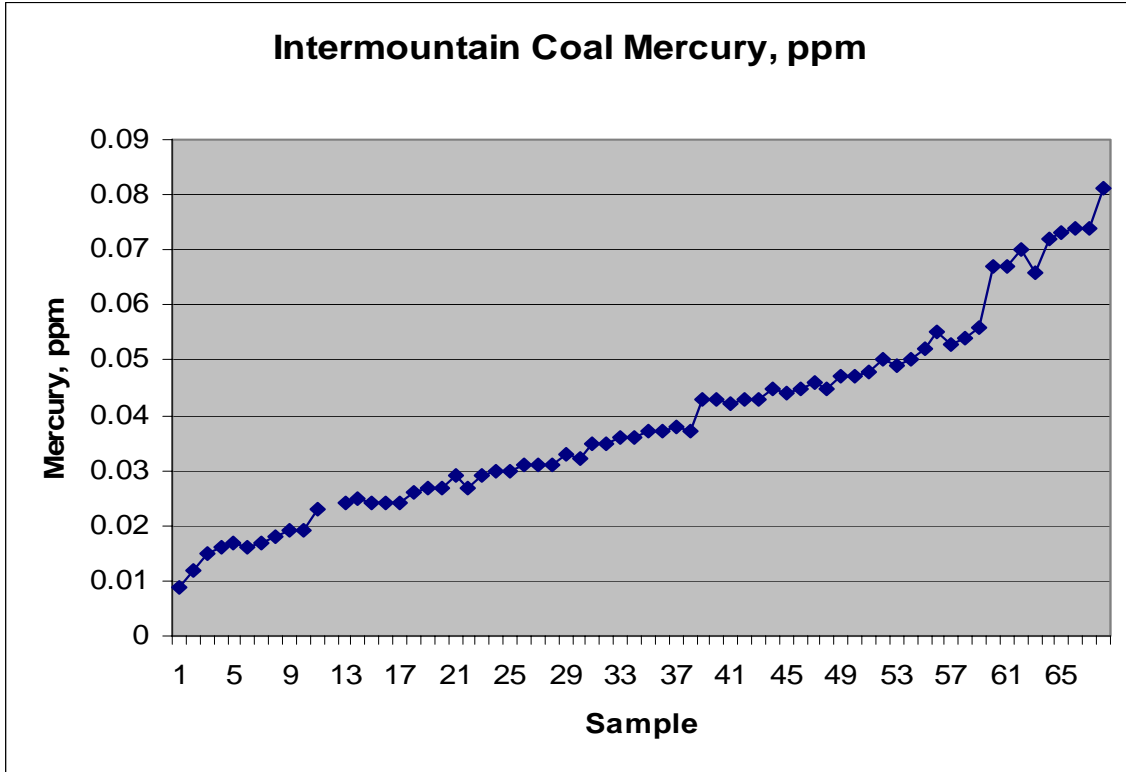


Logan test coal mercury: 12.1 lb/TBtu

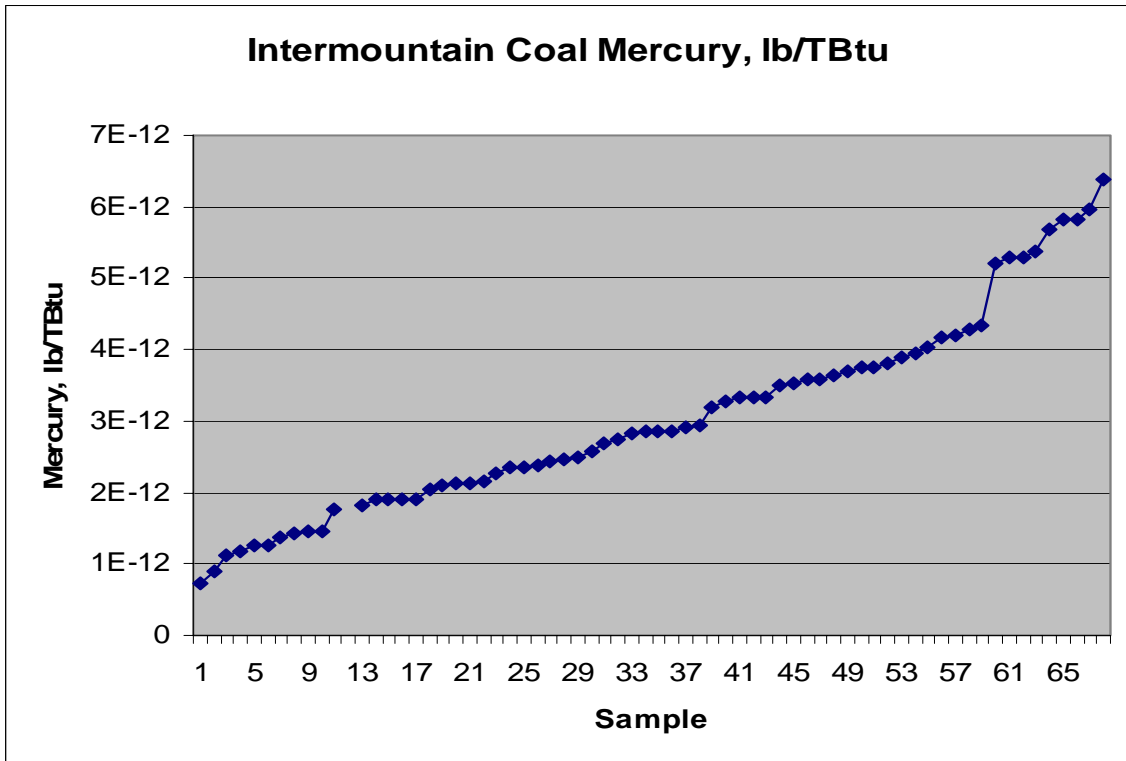


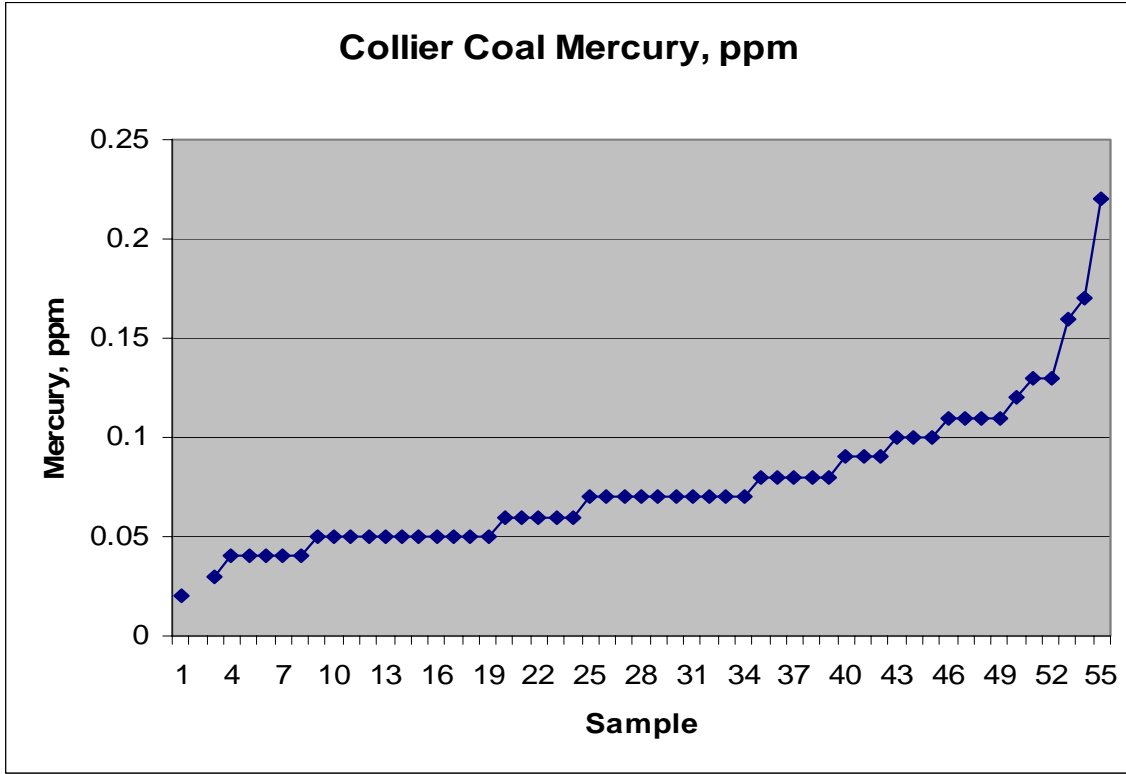
Clover test coal mercury: 0.16 ppm



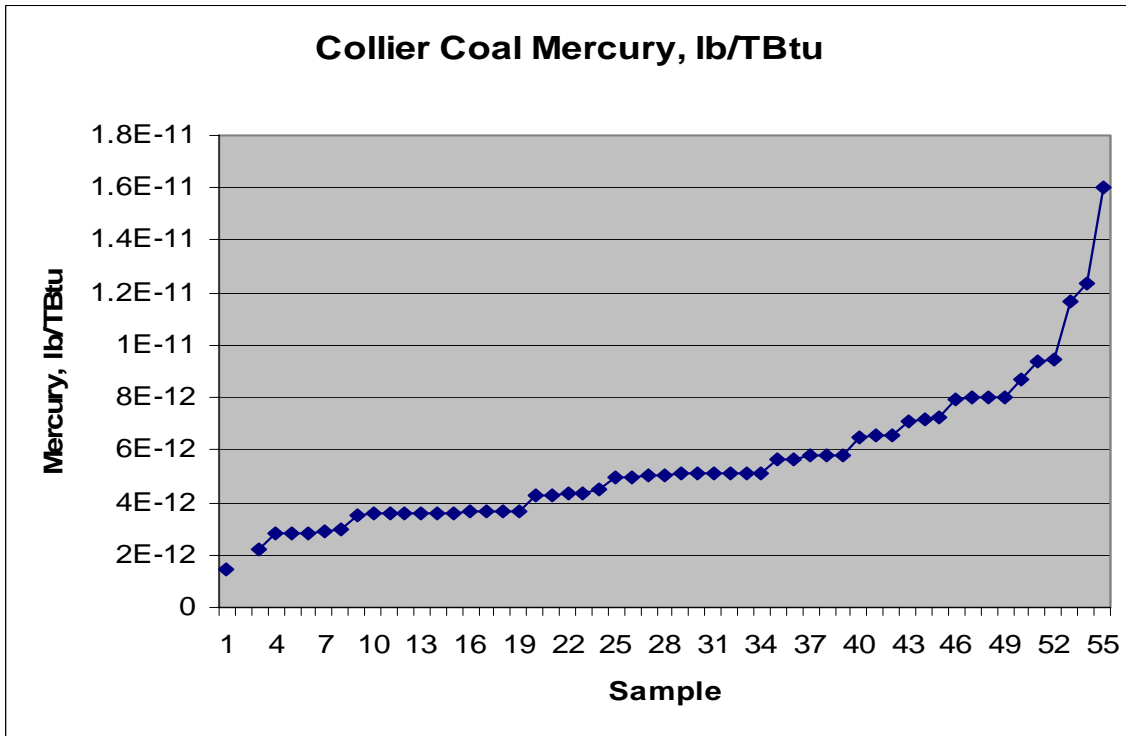


Intermountain test coal mercury: 0.0233 ppm

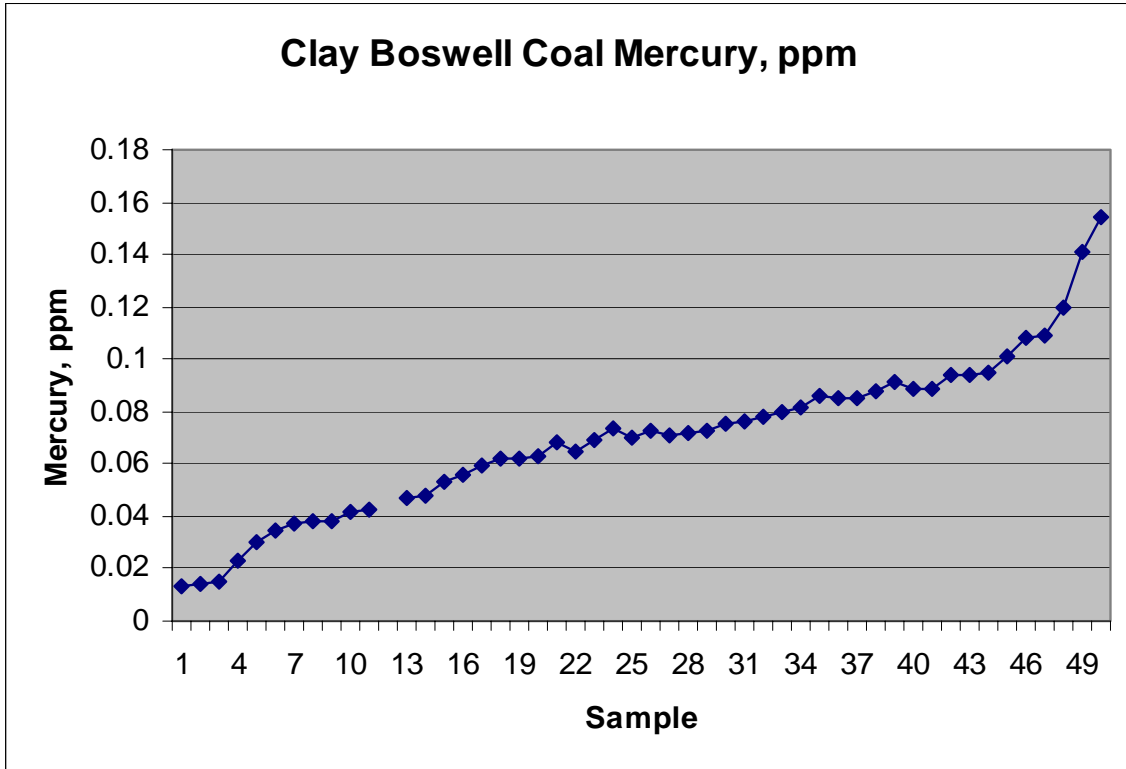




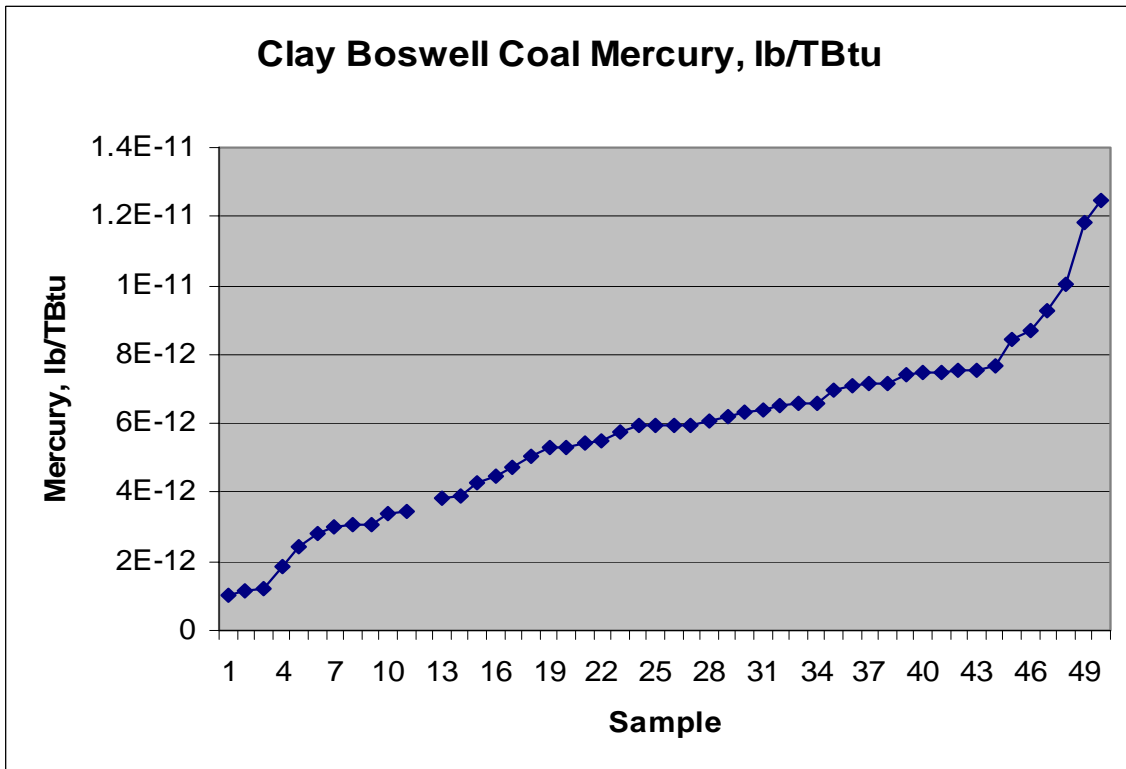
Collier test coal mercury: 0.03 ppm



Collier test coal mercury: 1.7 lb/TBtu

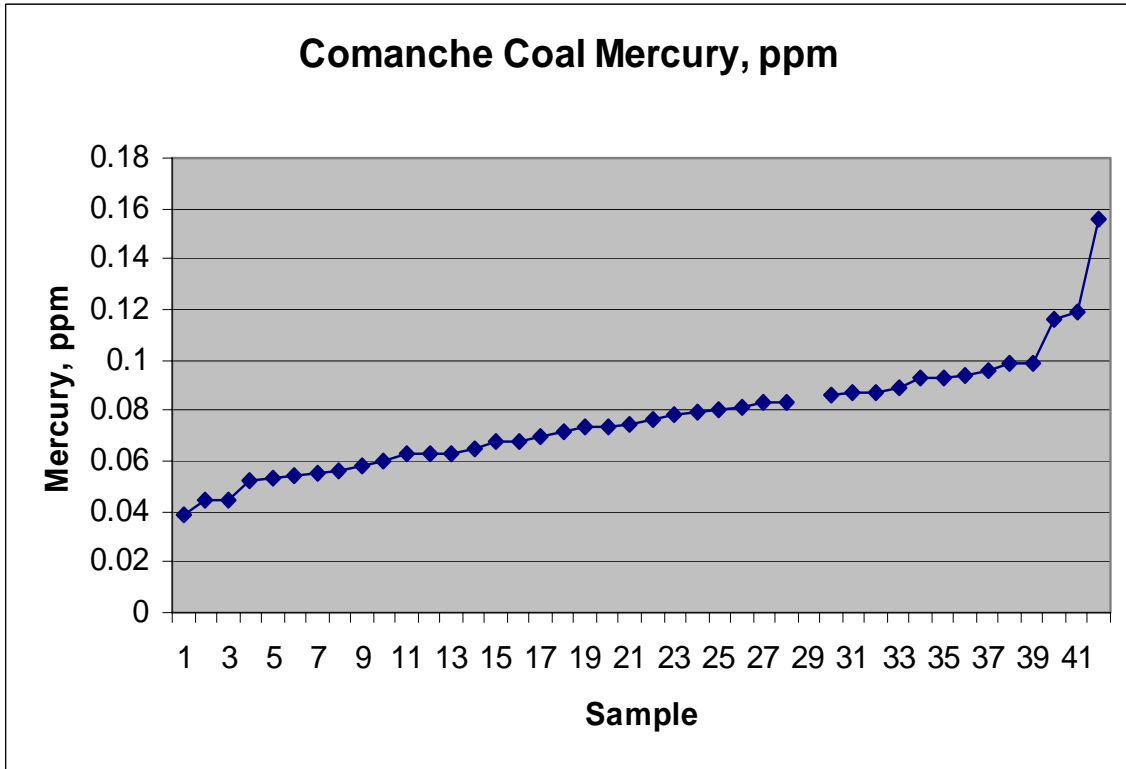


Clay Boswell test coal mercury: 0.06 ppm

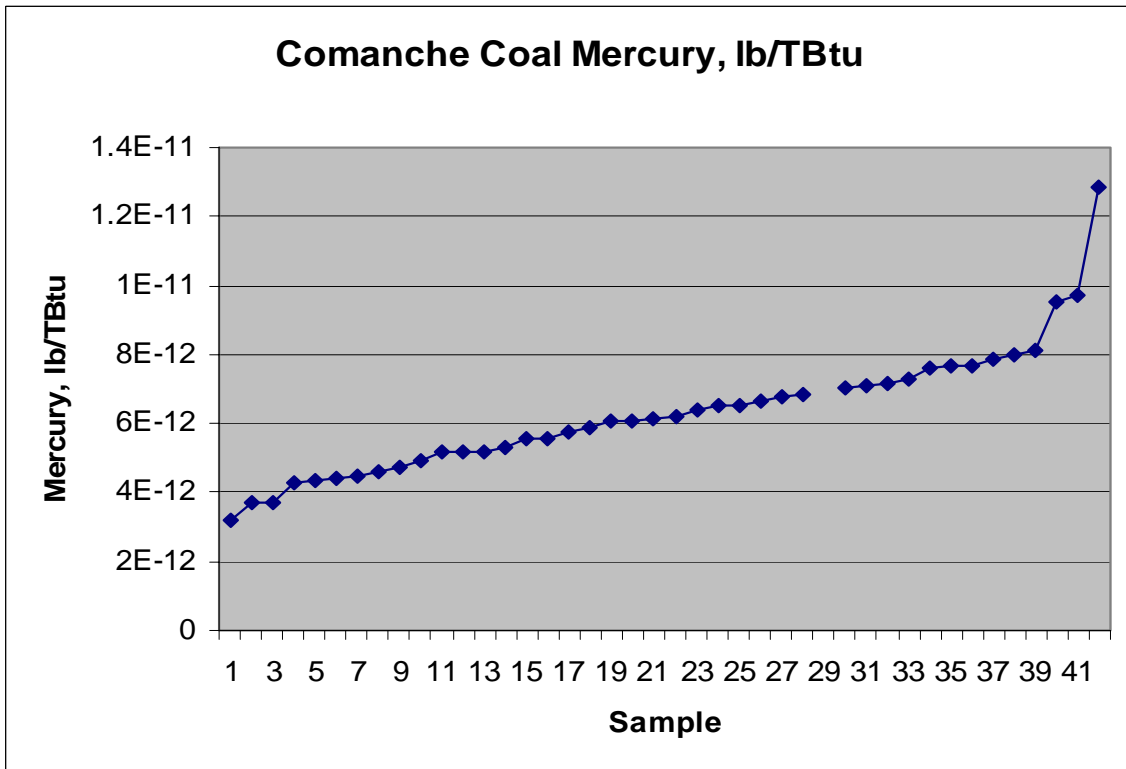


Clay Boswell test coal mercury: 3.7 lb/TBtu

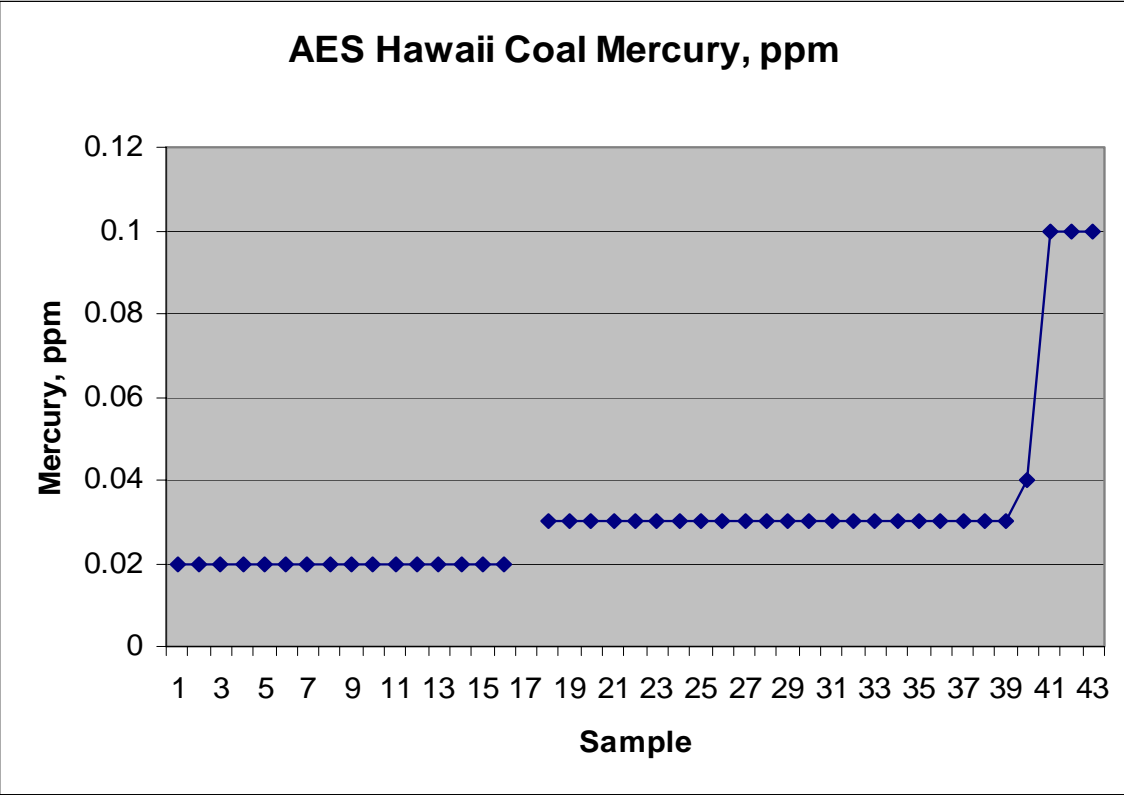




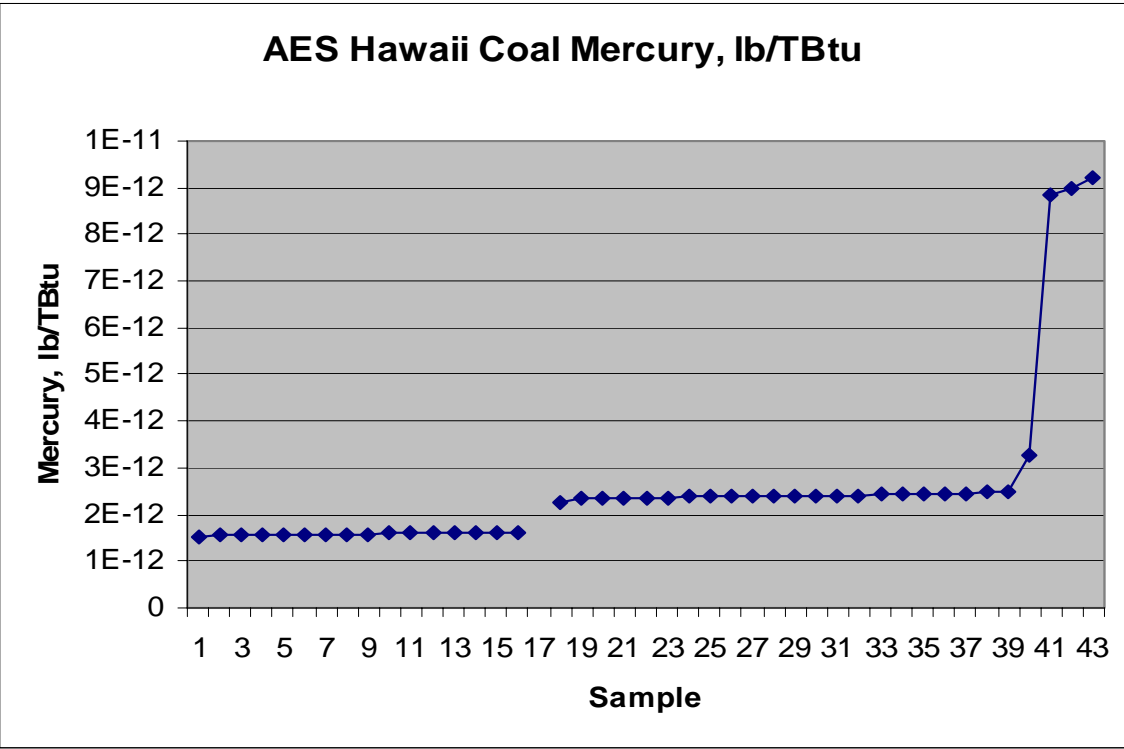
Comanche test coal mercury: 0.09 ppm



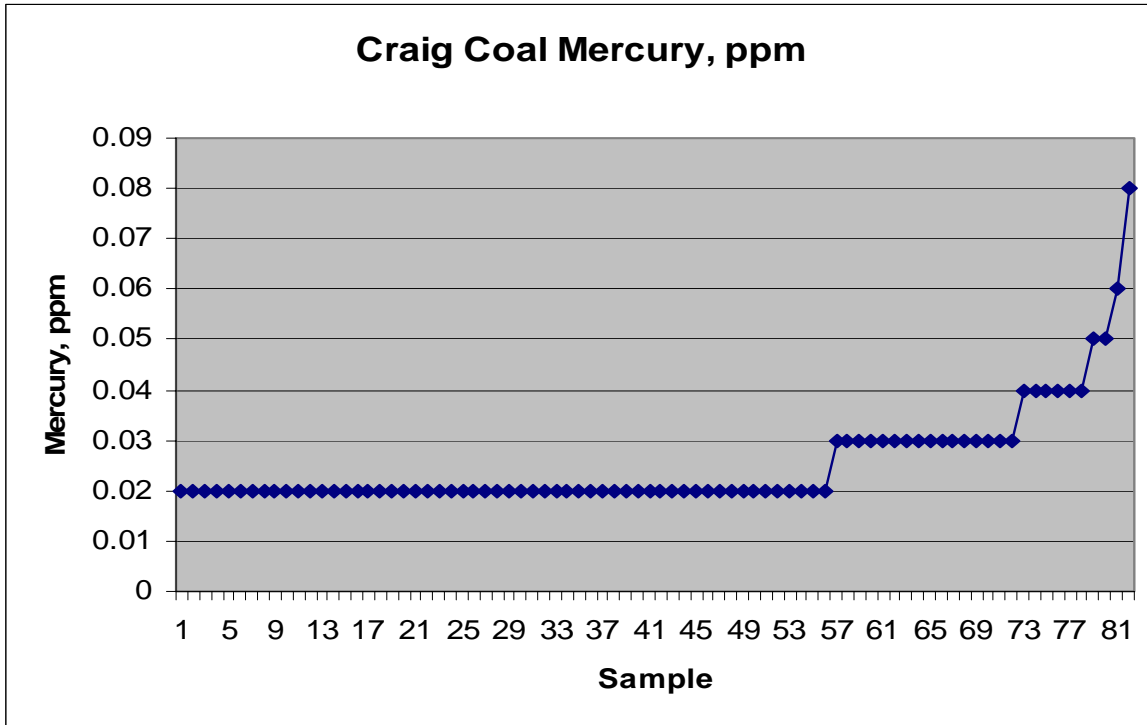
Comanche test coal mercury: 7.0 lb/TBtu



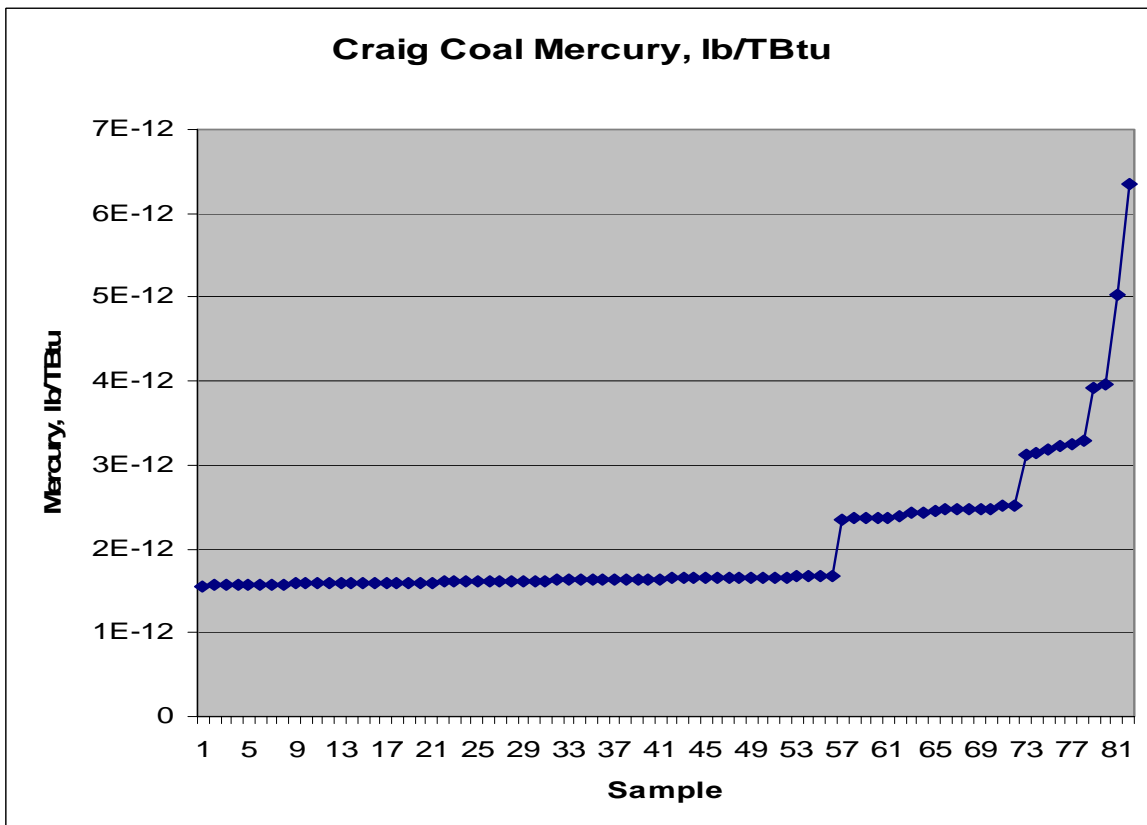
AES-Hawaii test coal mercury: 0.03 ppm



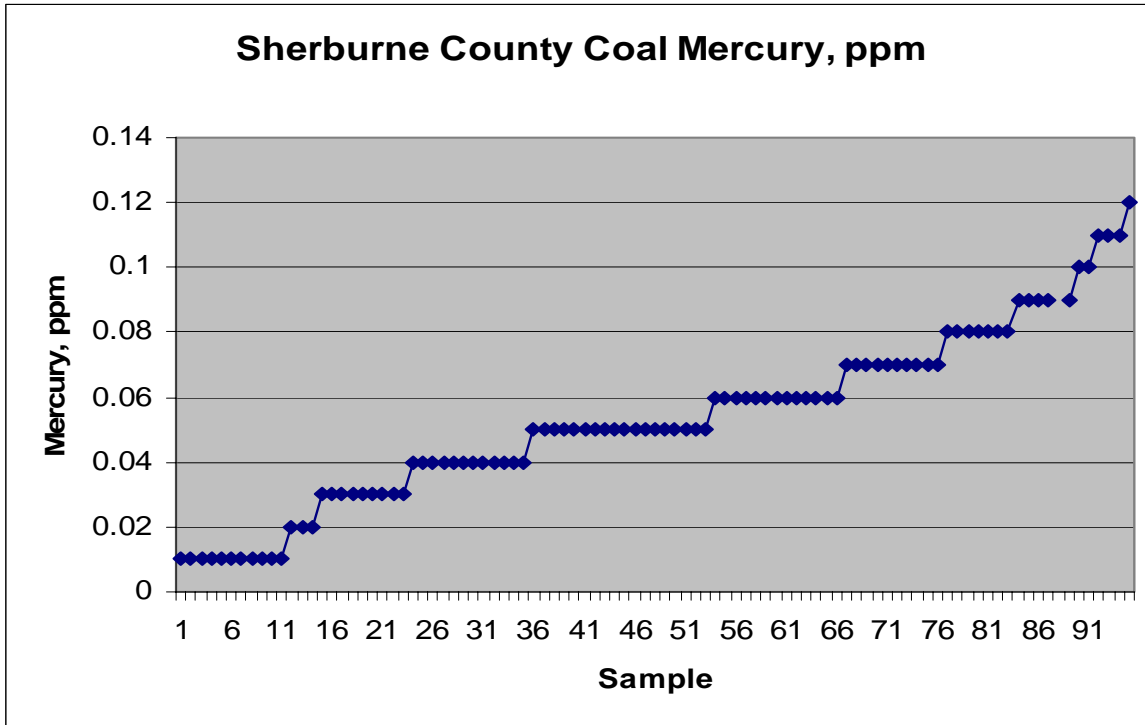
AES-Hawaii test coal mercury: 1.0 lb/TBtu



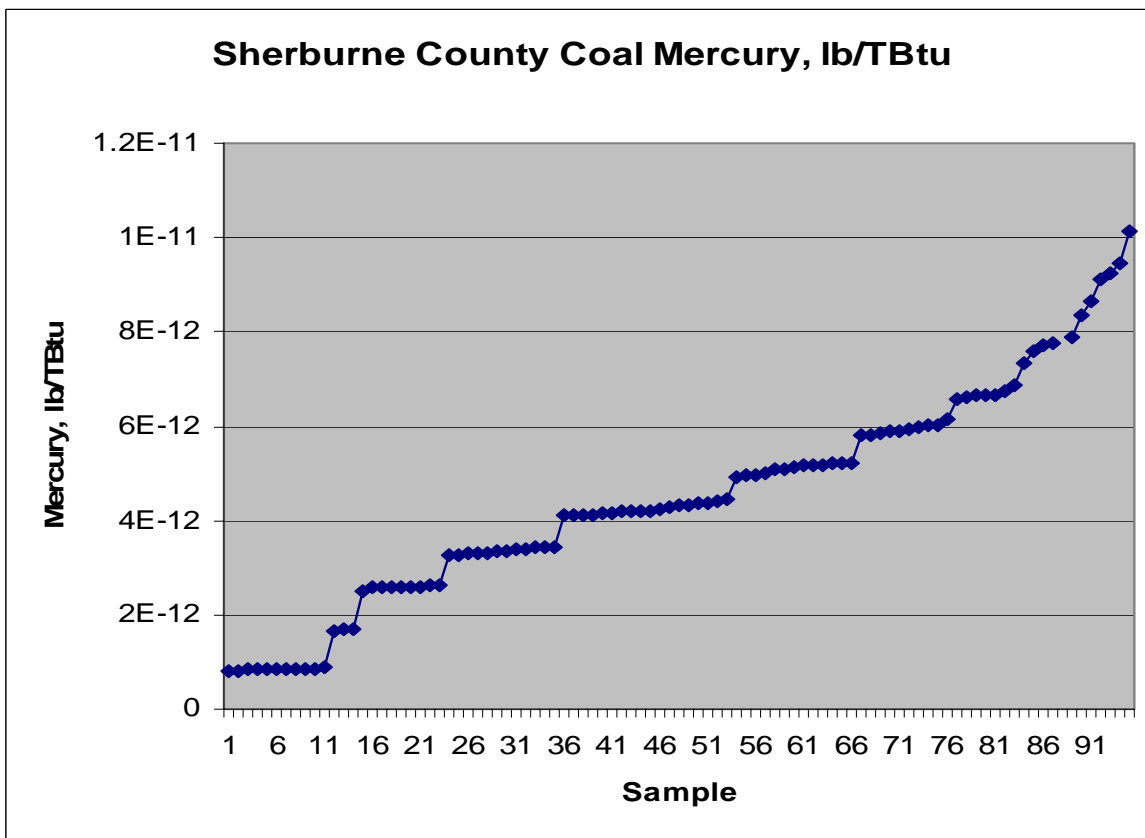
Craig test coal mercury: 0.01 ppm



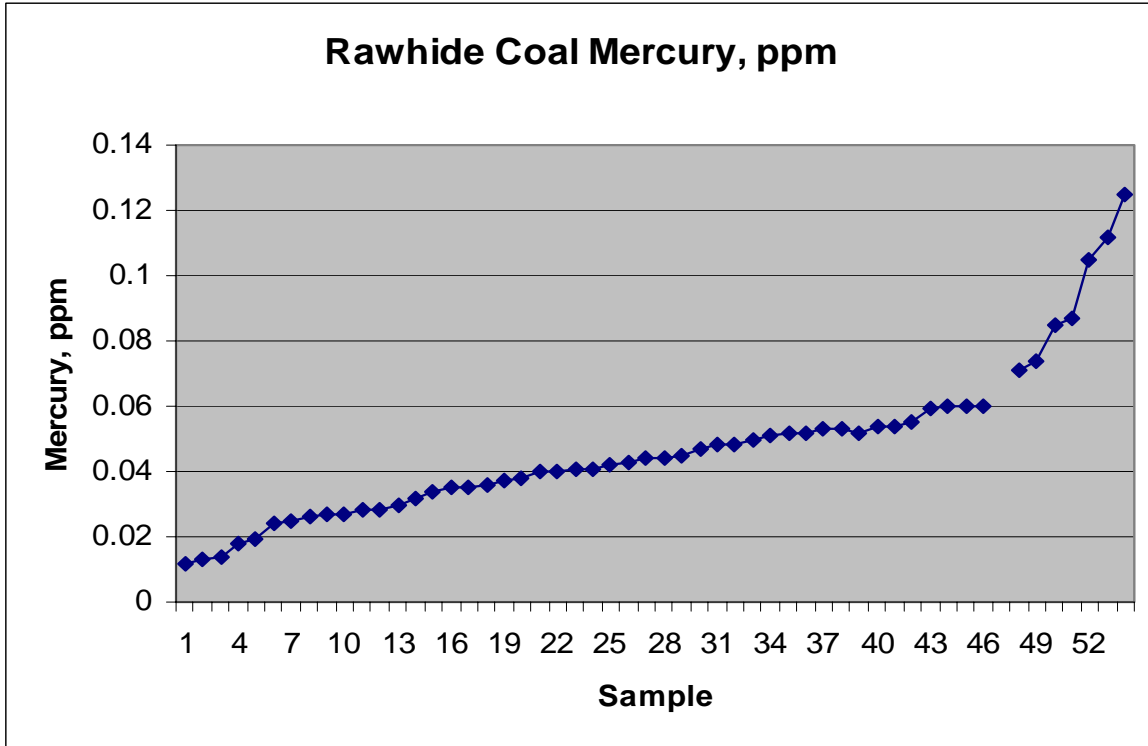
Craig test coal mercury: 1.1 lb/TBtu



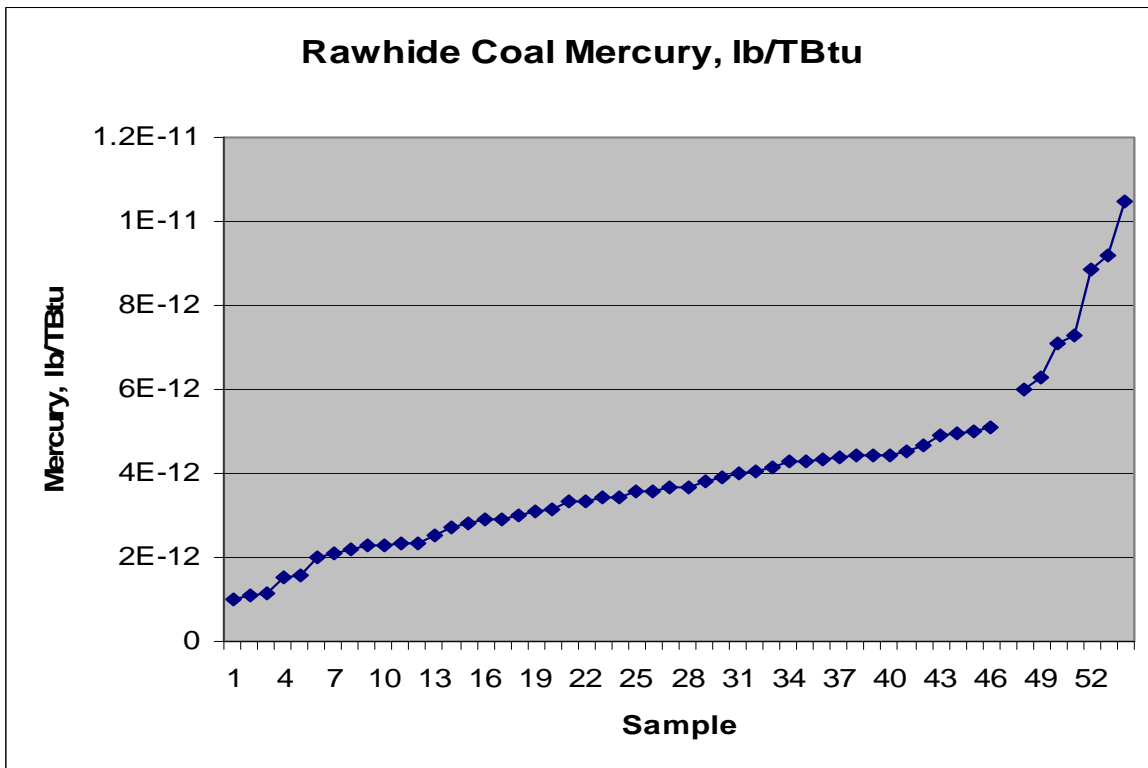
Sherburne County test coal mercury: 0.08 ppm



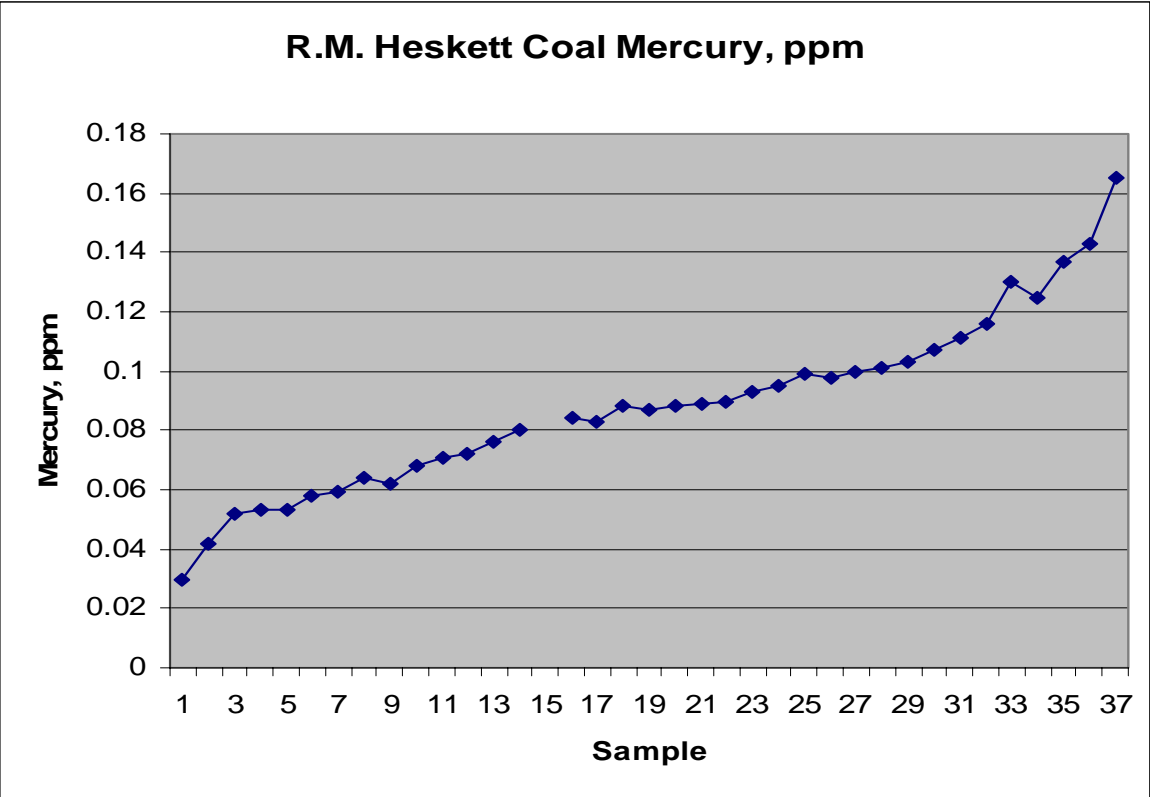
Sherburne County test coal mercury: 7.9 lb/TBtu



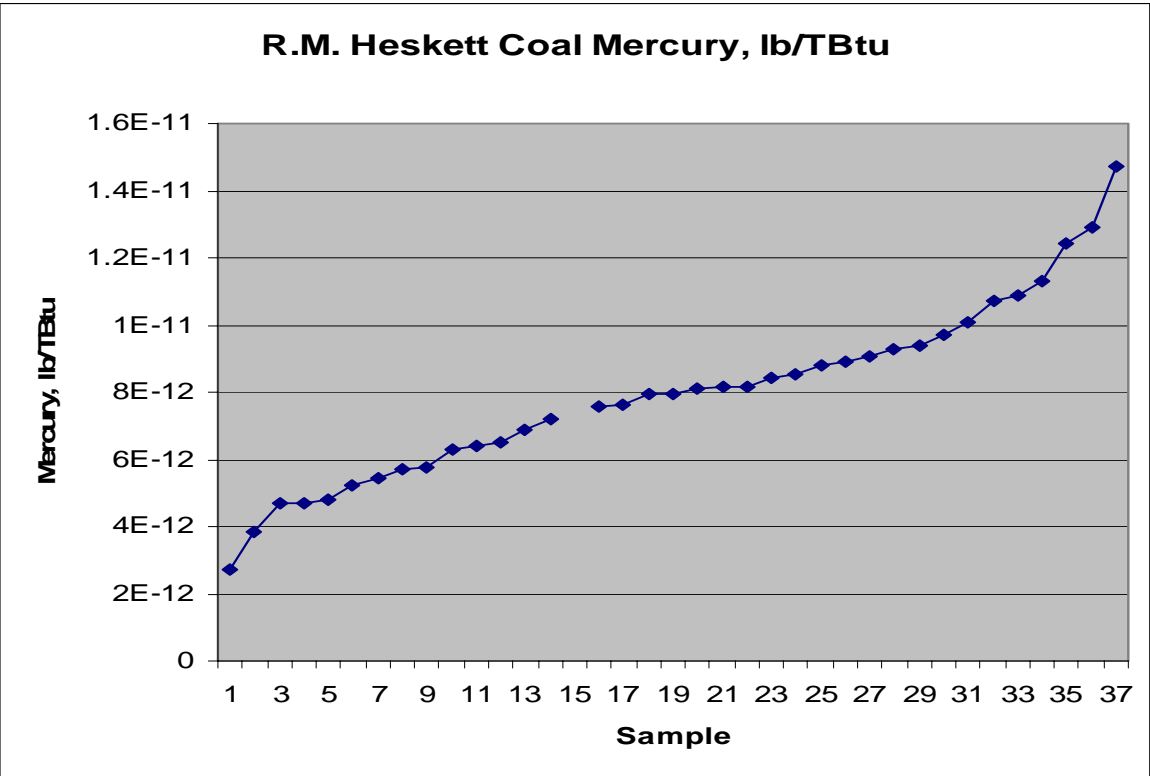
Rawhide test coal mercury: 0.07 ppm



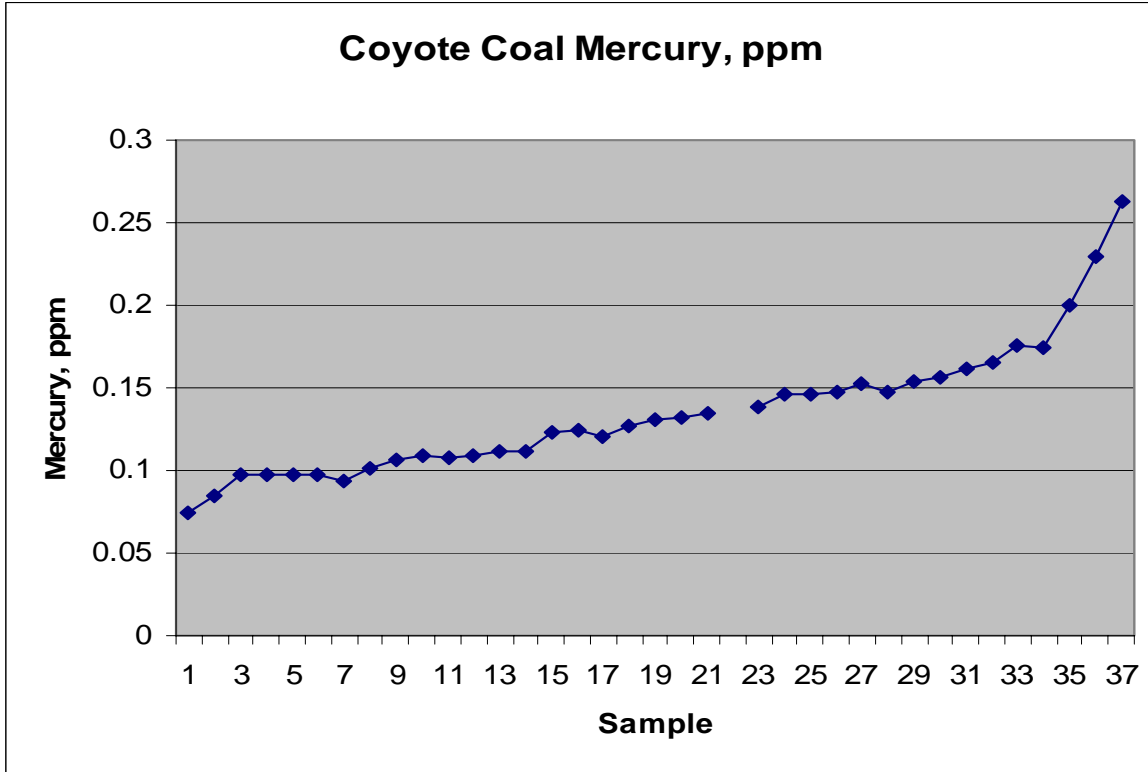
Rawhide test coal mercury: 11.6 lb/TBtu



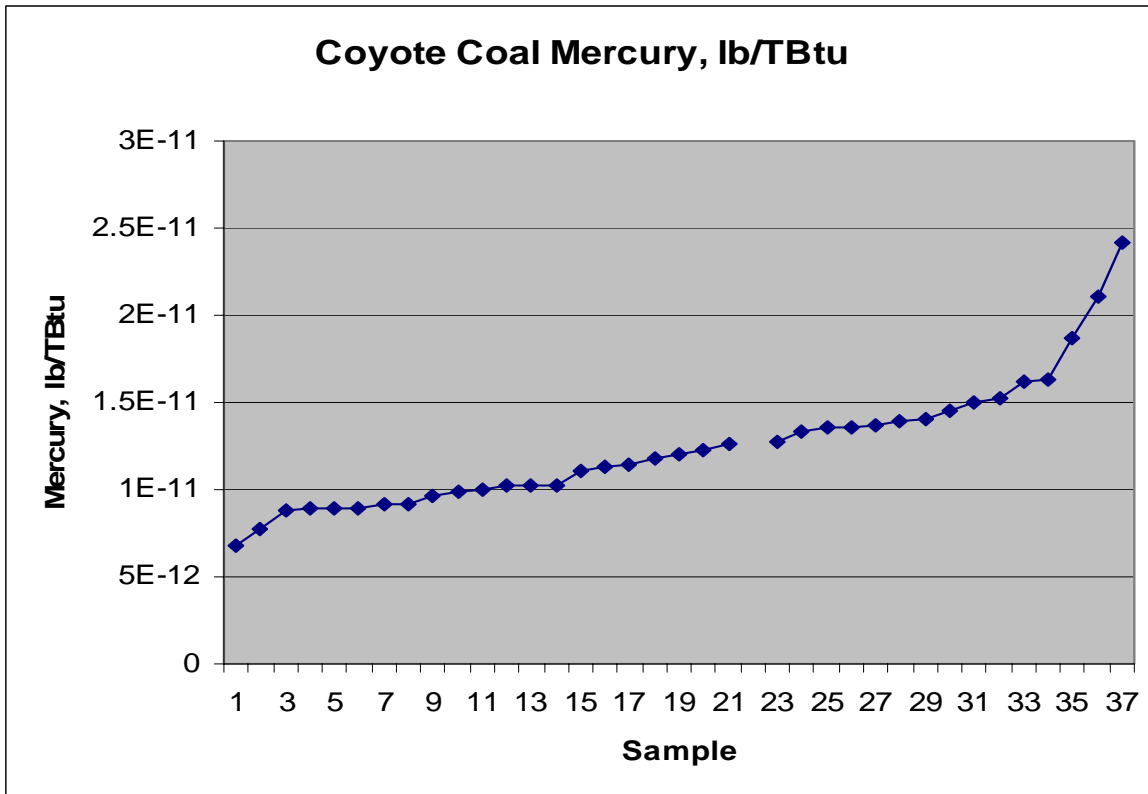
R.M. Heskett test coal mercury: 0.09 ppm



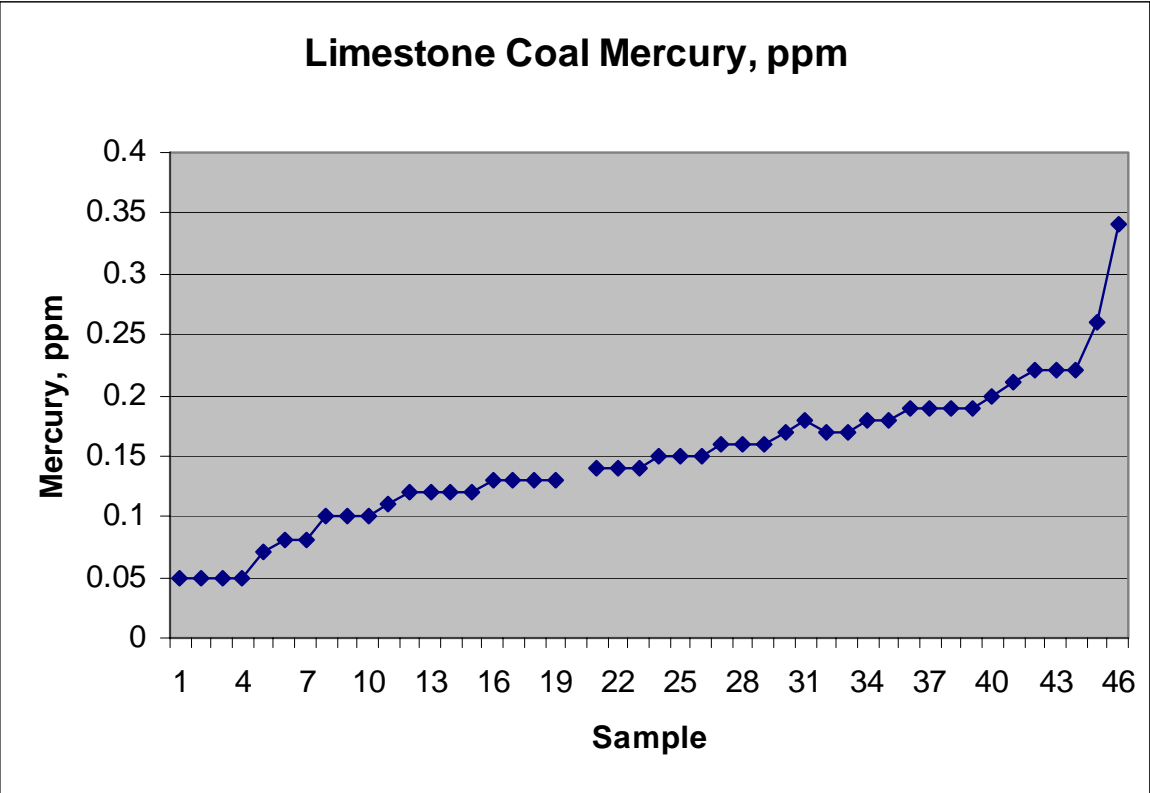
R.M. Heskett test coal mercury: 7.9 lb/TBtu



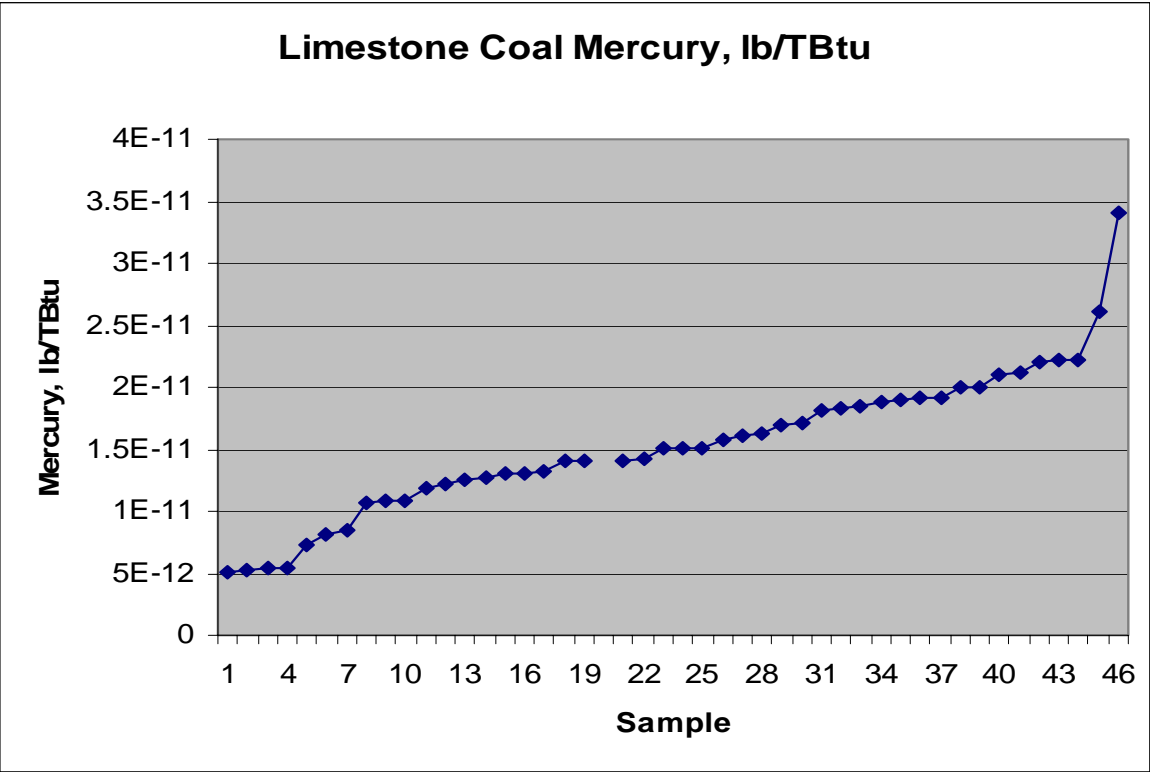
Coyote test coal mercury: 0.11 ppm



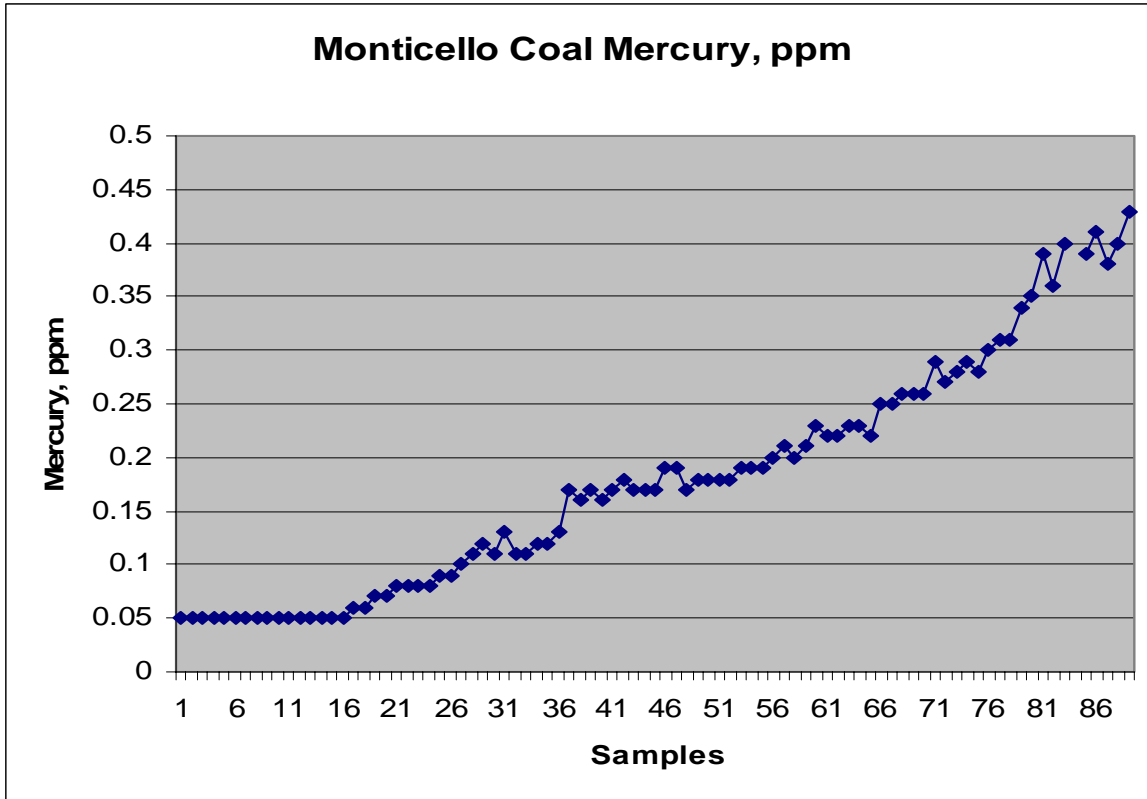
Coyote test coal mercury: 12.9 lb/TBtu



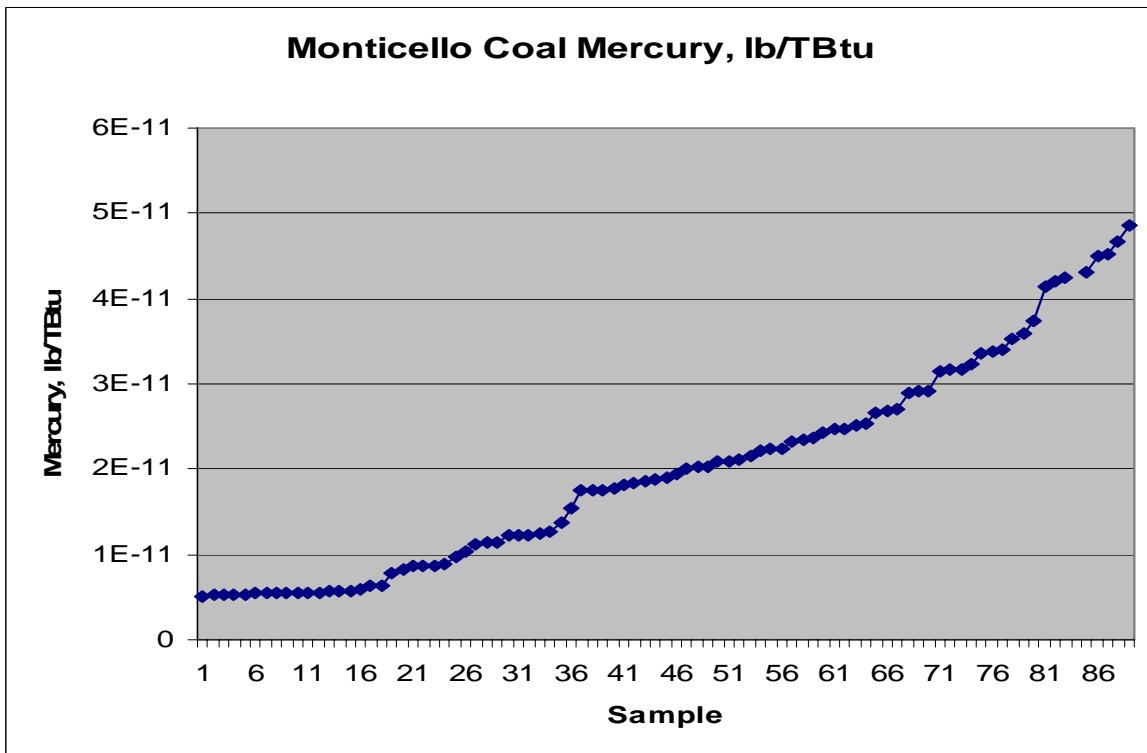
Limestone test coal mercury: 0.139 ppm

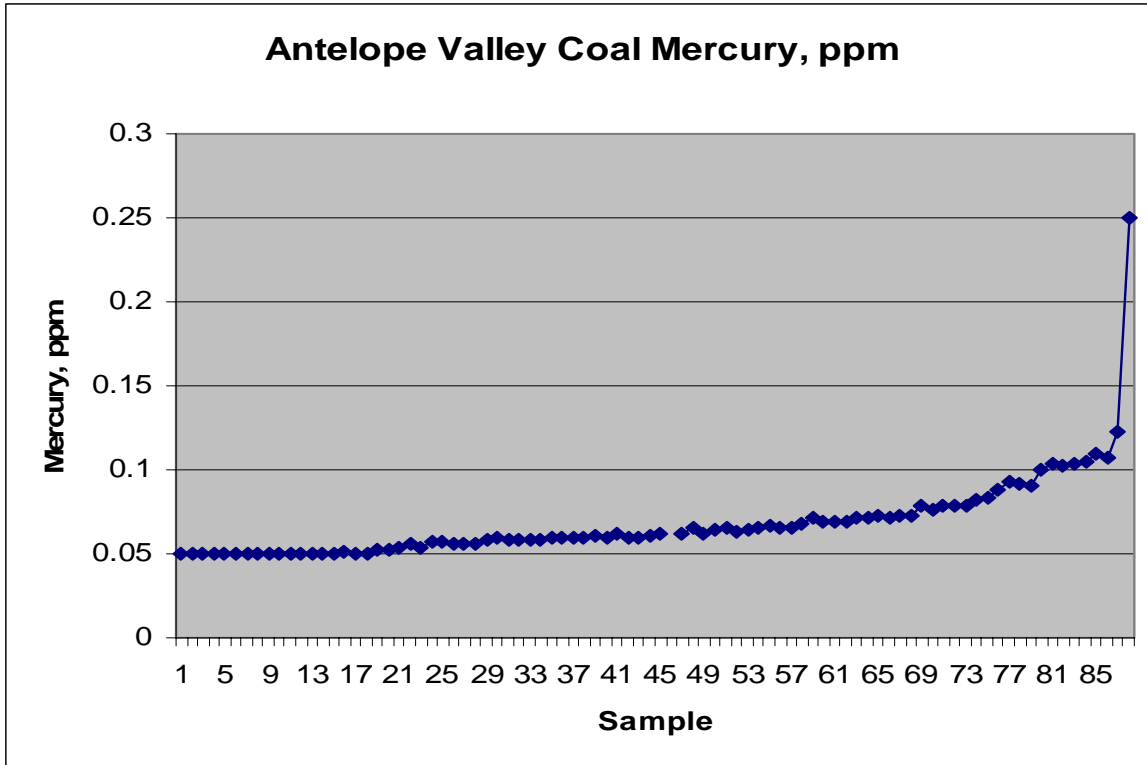




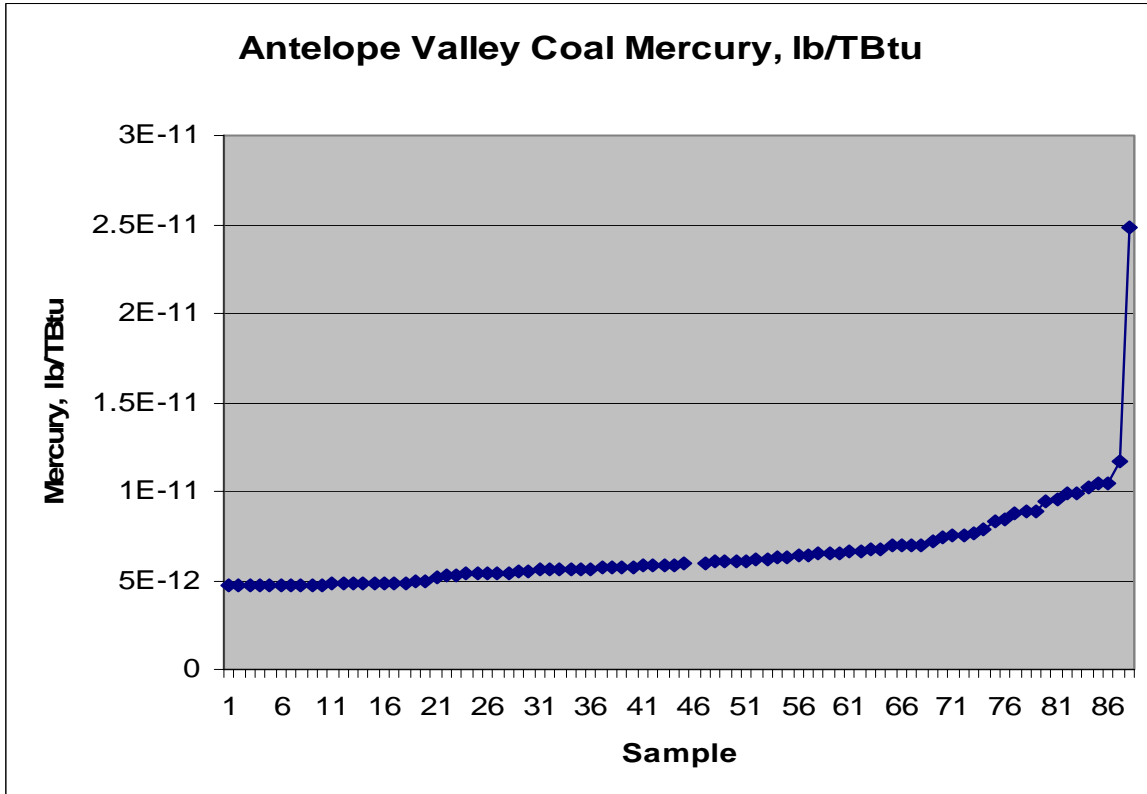


Monticello test coal mercury: 0.415 ppm

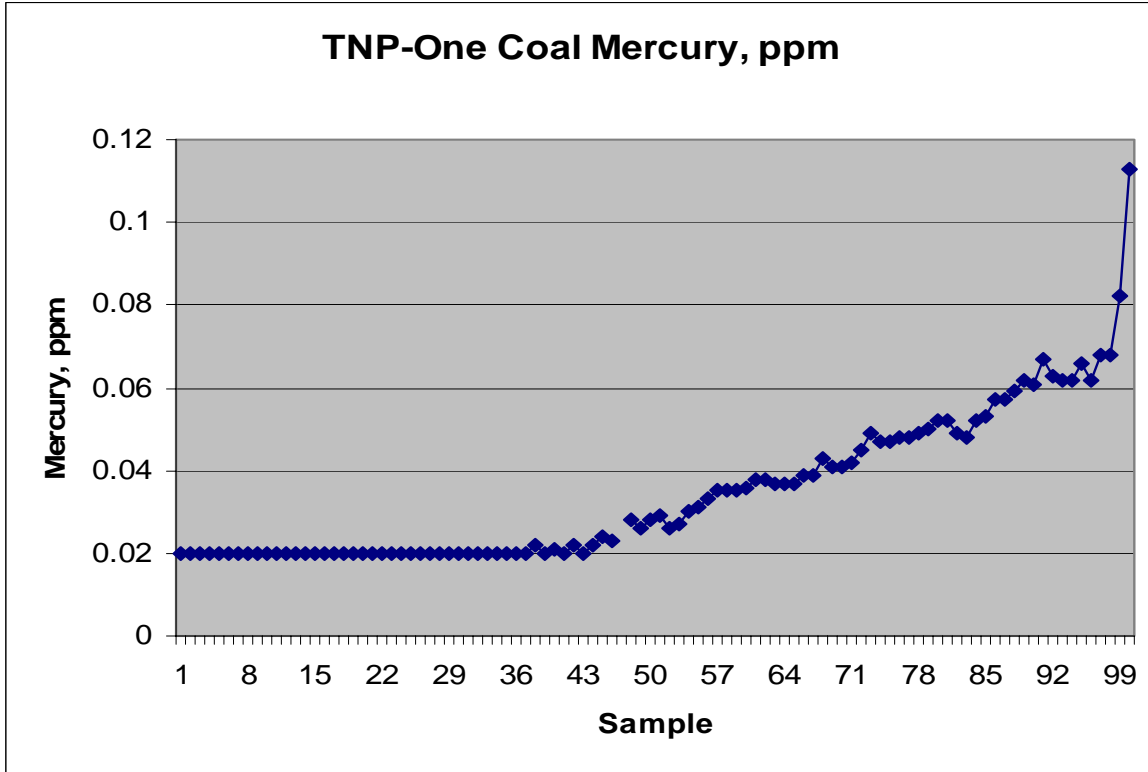




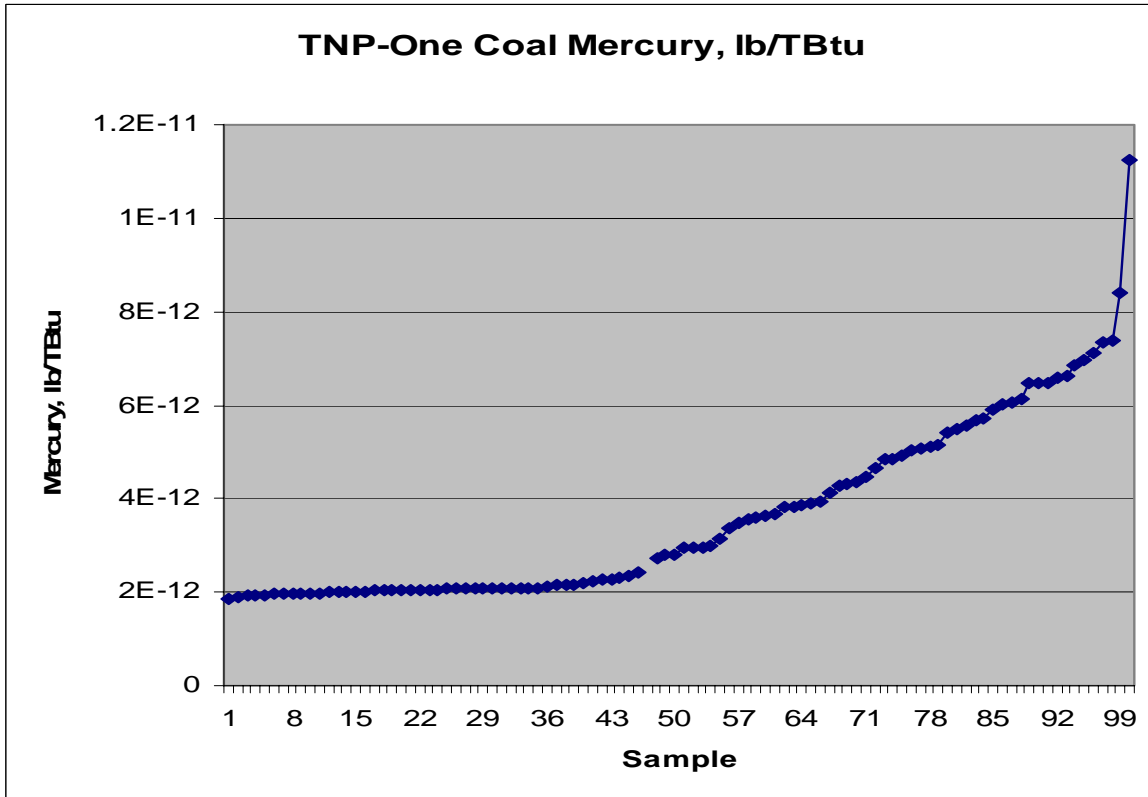
Antelope Valley test coal mercury: 0.06 ppm



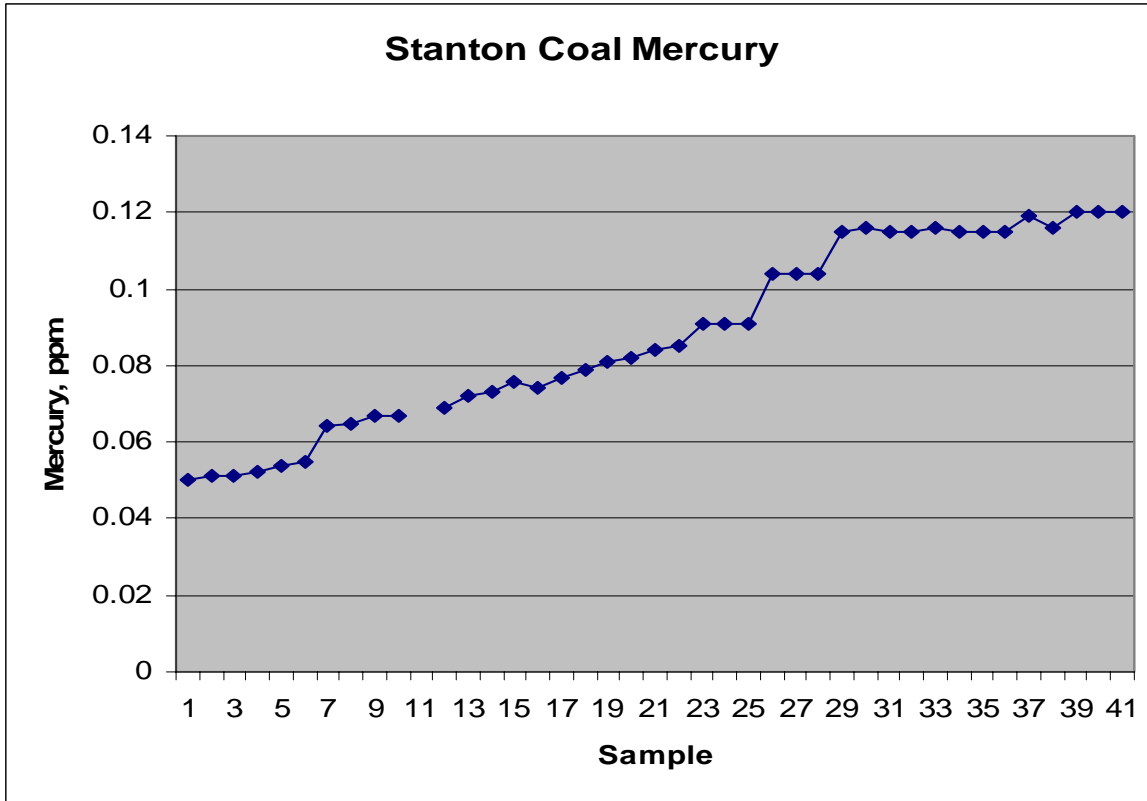
Antelope Valley test coal mercury: 6.3 lb/TBtu



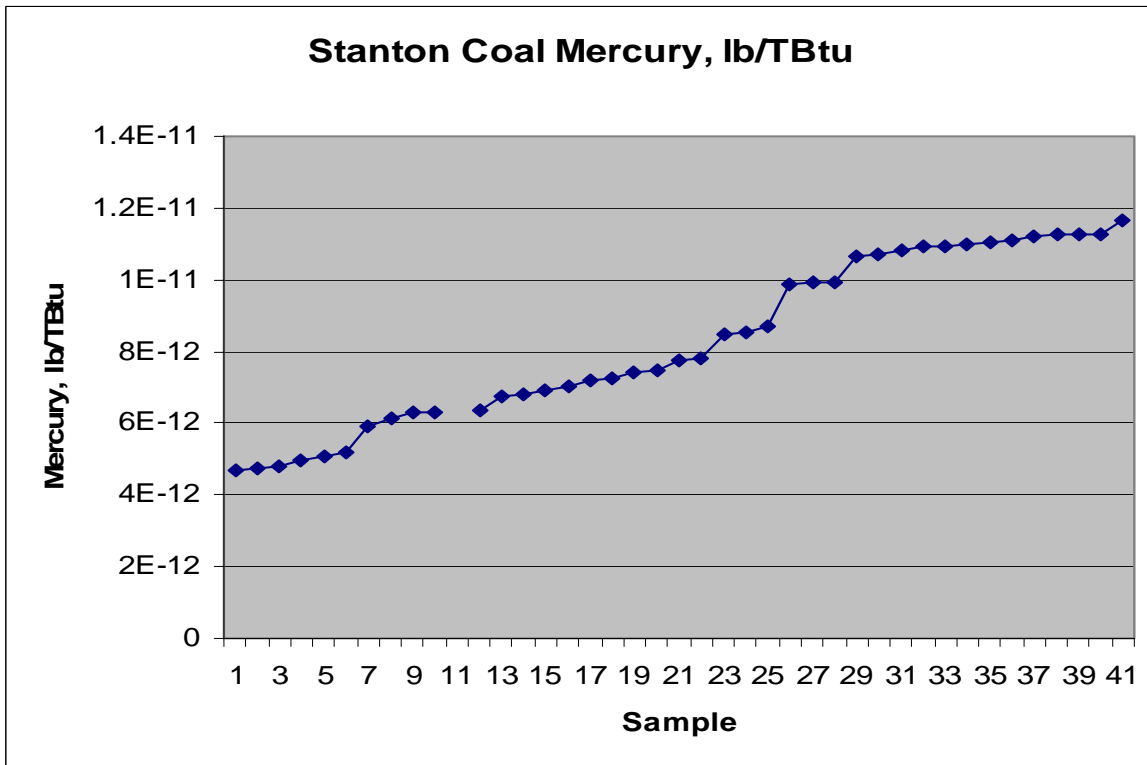
TNP-One test coal mercury: 0.25 ppm



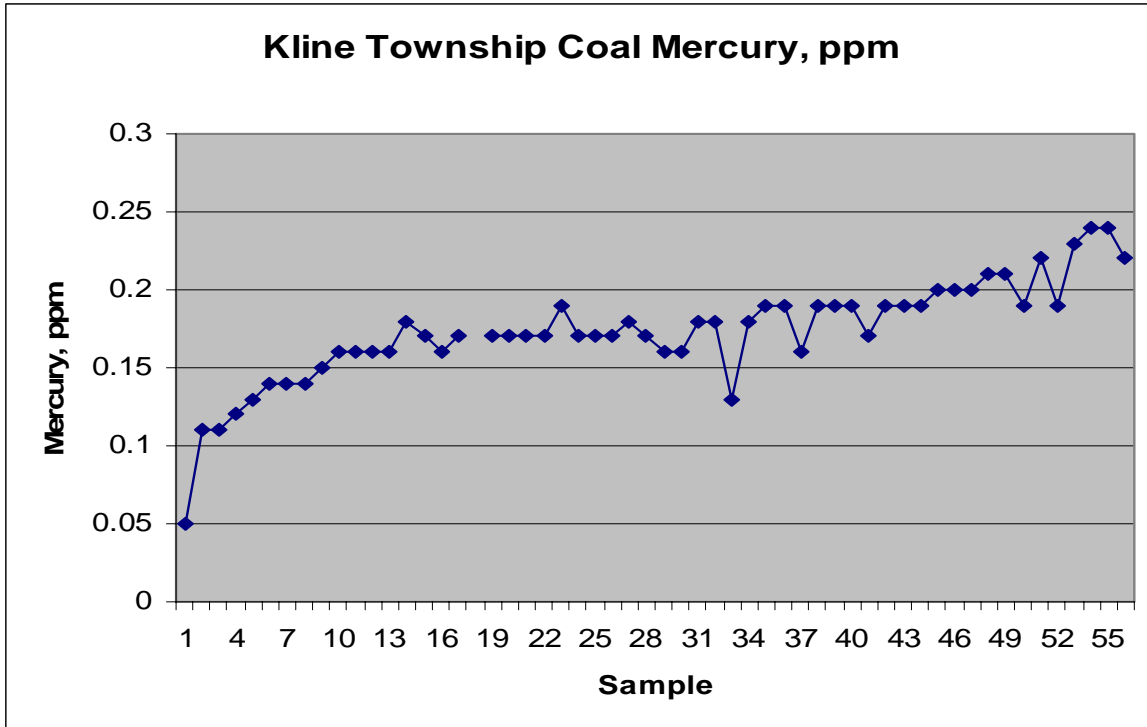
TNP-One test coal mercury: 25.8 lb/TBtu



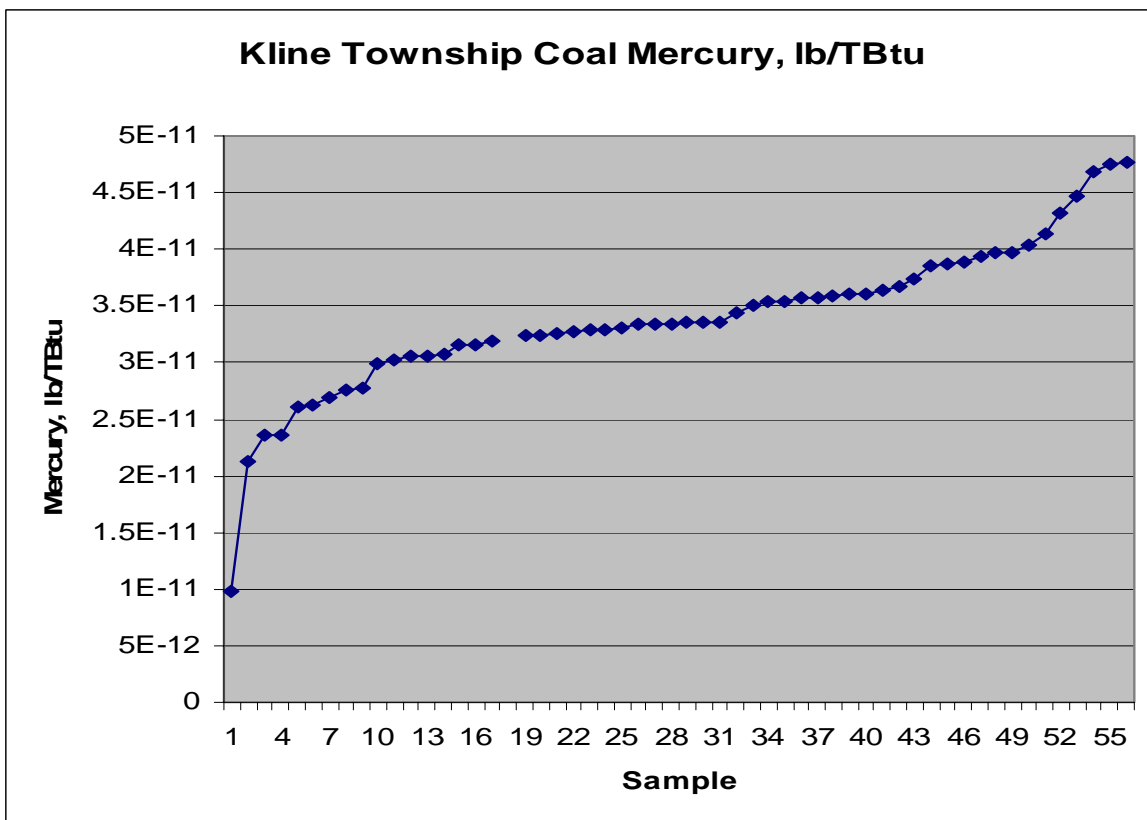
Stanton test coal mercury: 0.08 ppm



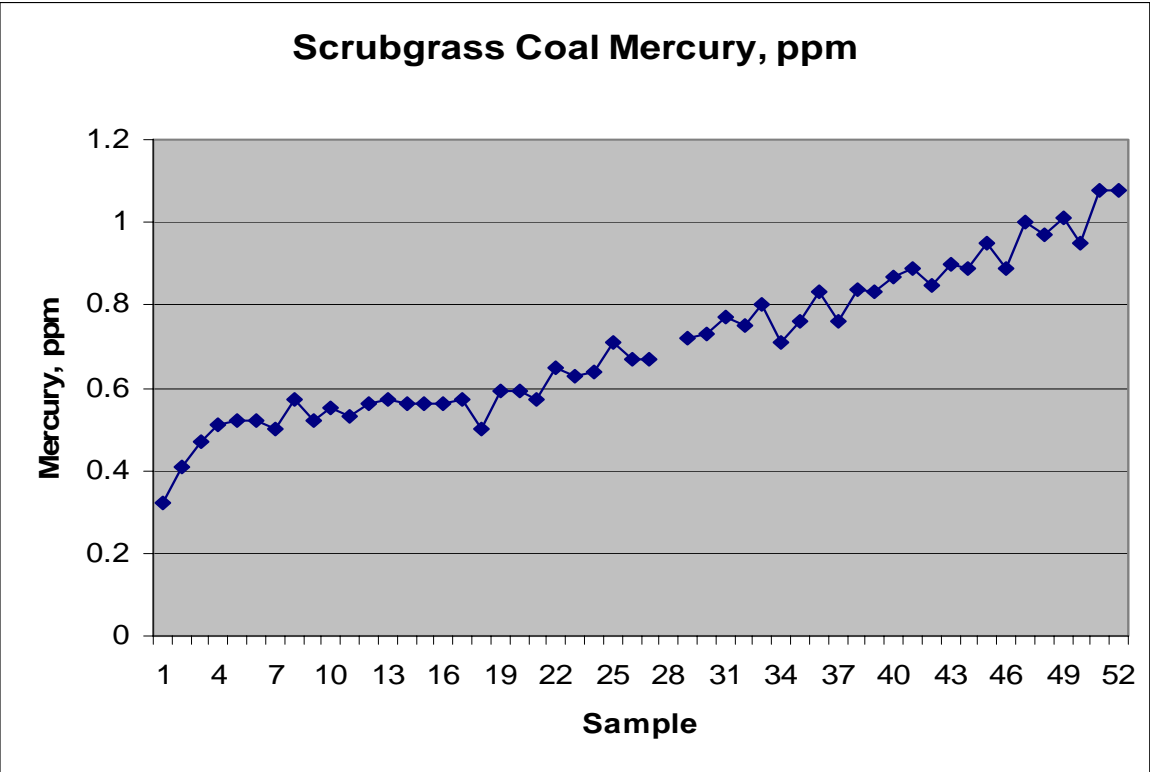
Stanton test coal mercury: 6.3 lb/TBtu



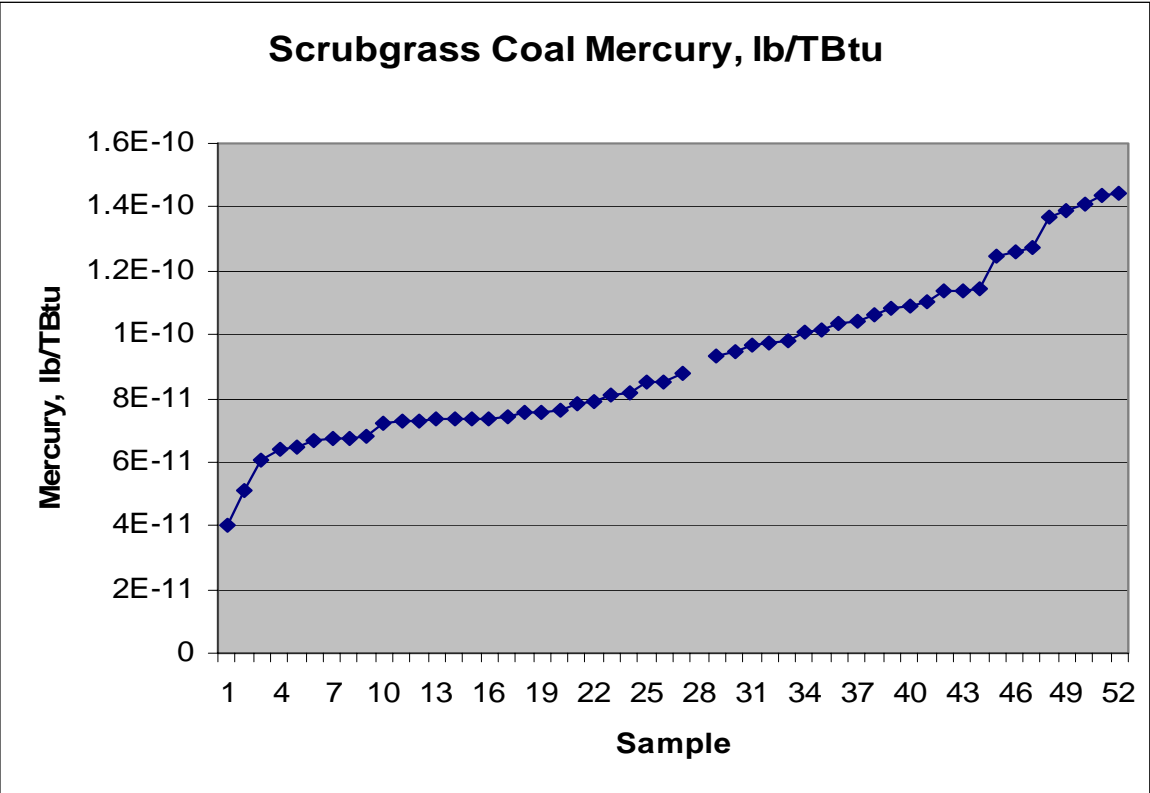
Kline Township test coal mercury: 0.33 ppm



Kline Township test coal mercury: 32 lb/TBtu



Scrubgrass test coal mercury: 0.53 ppm



Scrubgrass test coal mercury: 92.5 lb/TBtu