

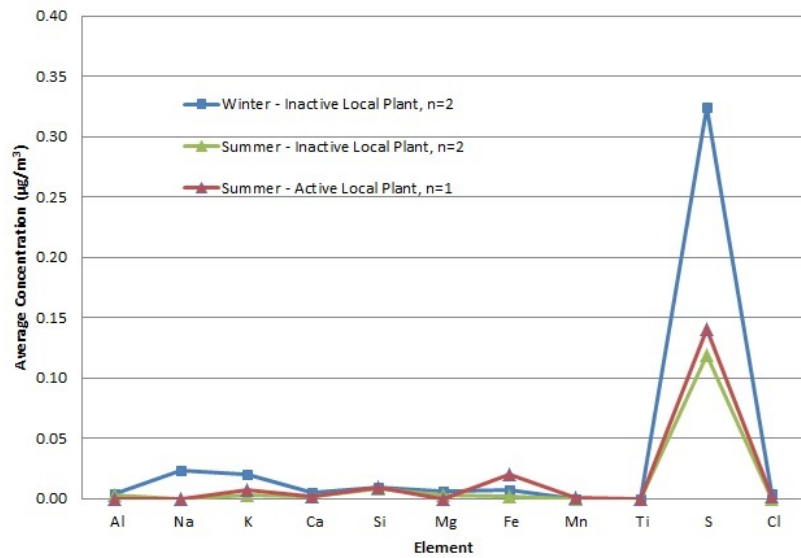
APPENDIX B:

**Mesabi Iron Range (MIR) Elemental Concentration ($\mu\text{g}/\text{m}^3$) Graphs:
Including eleven of the most abundant elements
most common to the rocks of northeastern Minnesota:**

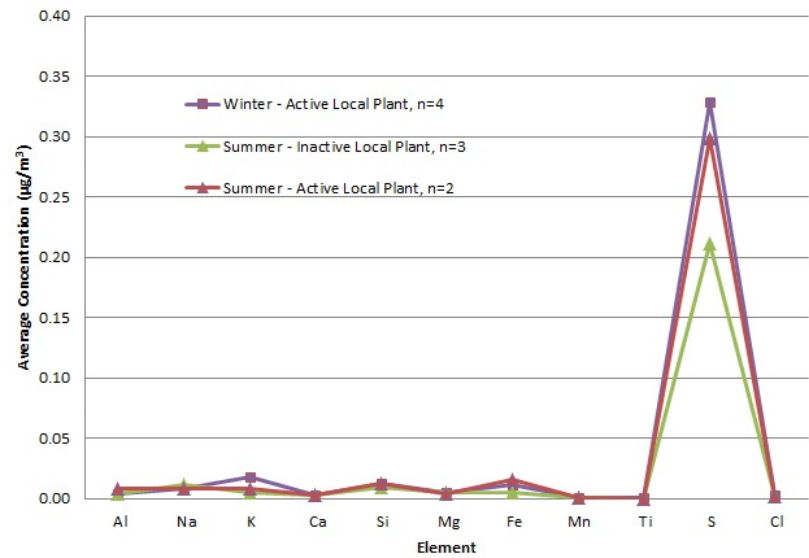
MIR Communities and Background Locations

- Submicron
- Total Filter

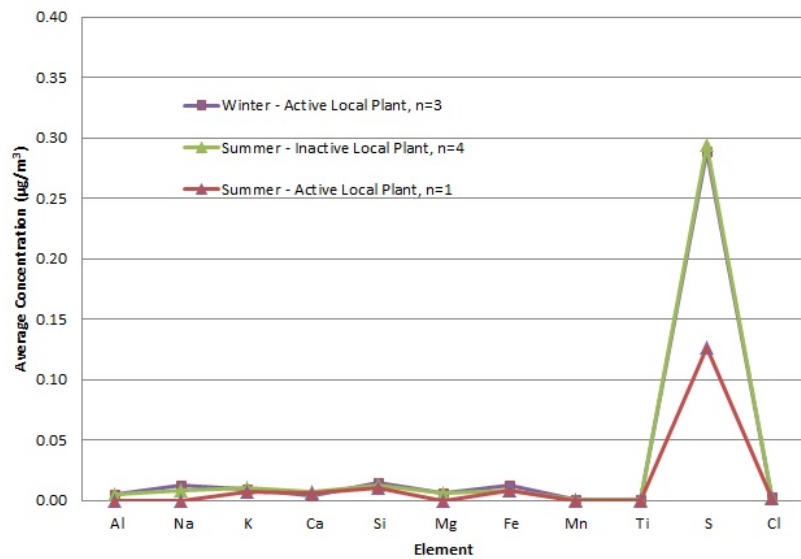
Keewatin Elementary School - Averaged Elemental Analysis - Submicron



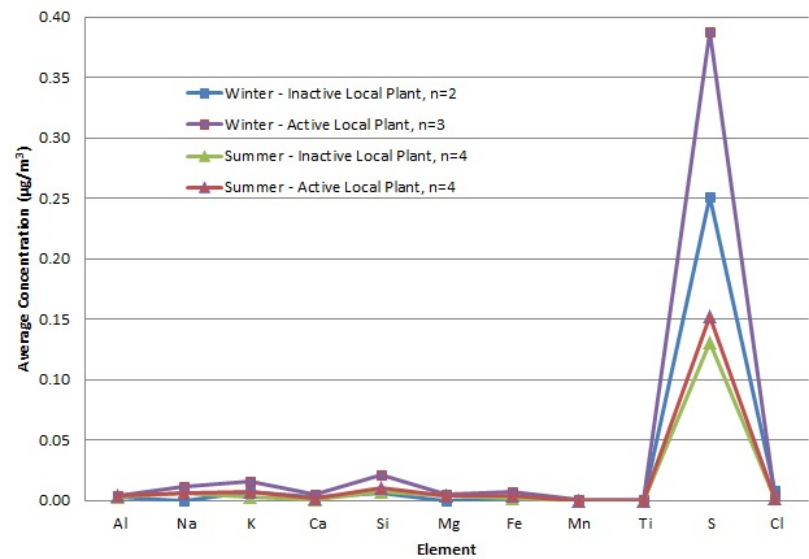
Hibbing High School - Averaged Elemental Analysis - Submicron



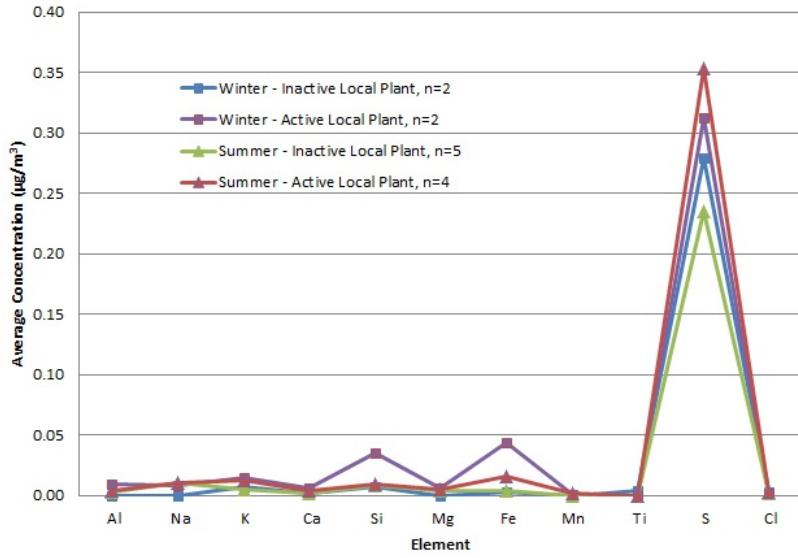
Virginia City Hall - Averaged Elemental Analysis - Submicron



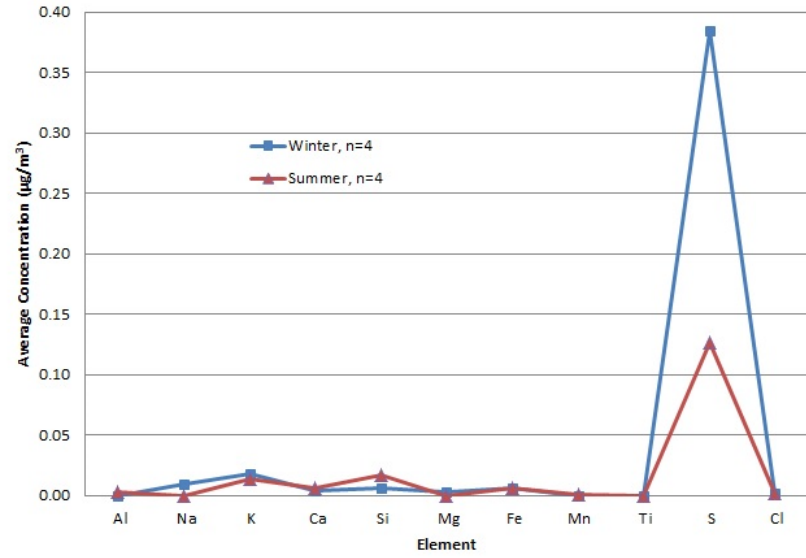
Babbitt Municipal Building - Averaged Elemental Analysis - Submicron



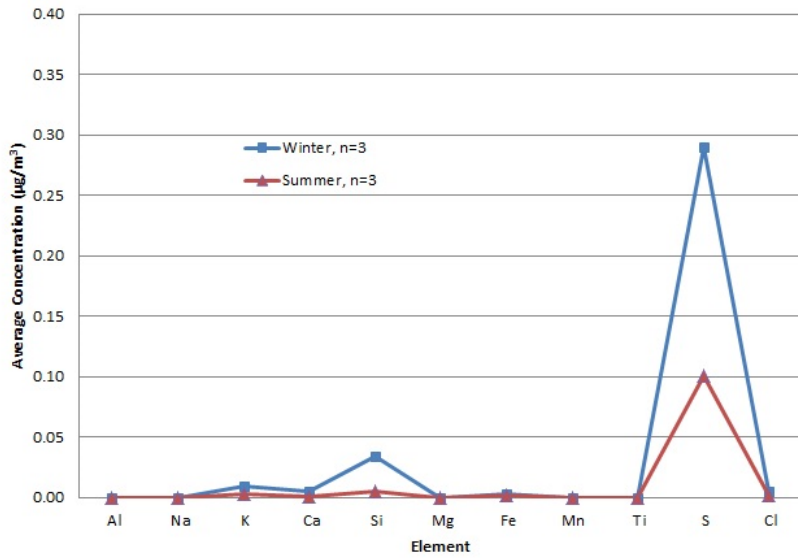
Silver Bay High School - Averaged Elemental Analysis - Submicron



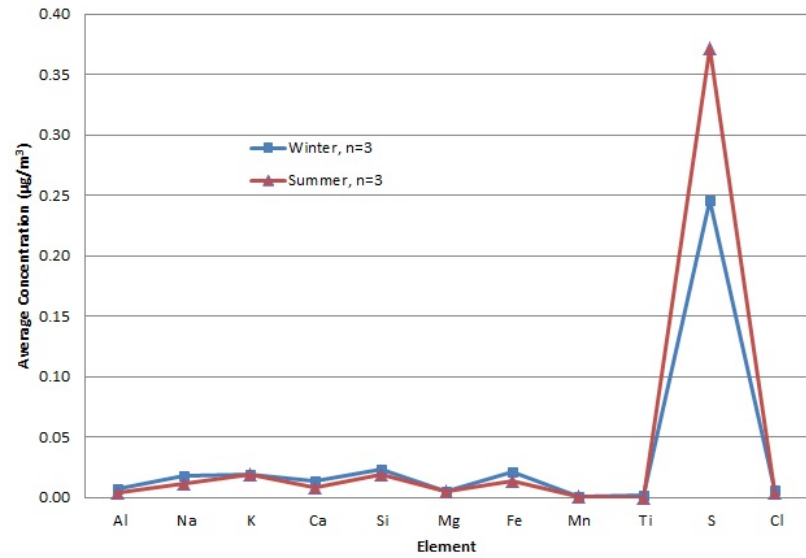
Duluth - NRRI - Averaged Elemental Analysis - Submicron



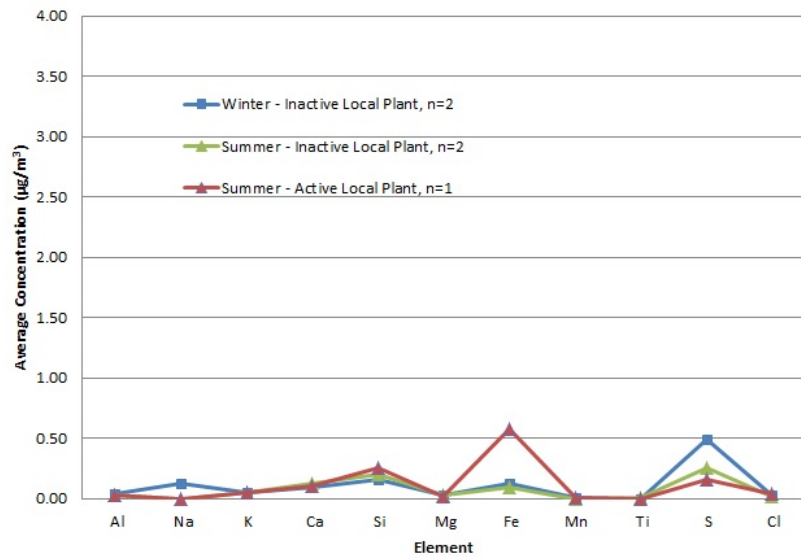
Ely Fernberg Site - Averaged Elemental Analysis - Submicron



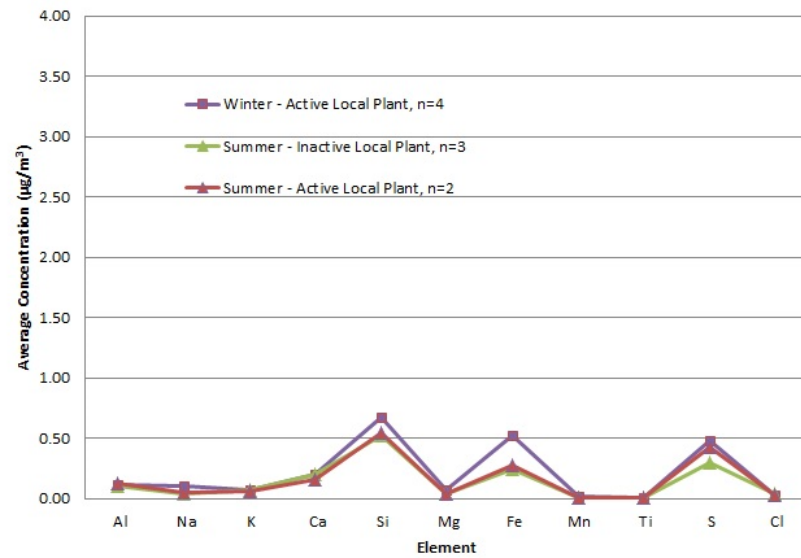
MPLS - UMN Mech. Eng. Bldg. - Averaged Elemental Analysis - Submicron



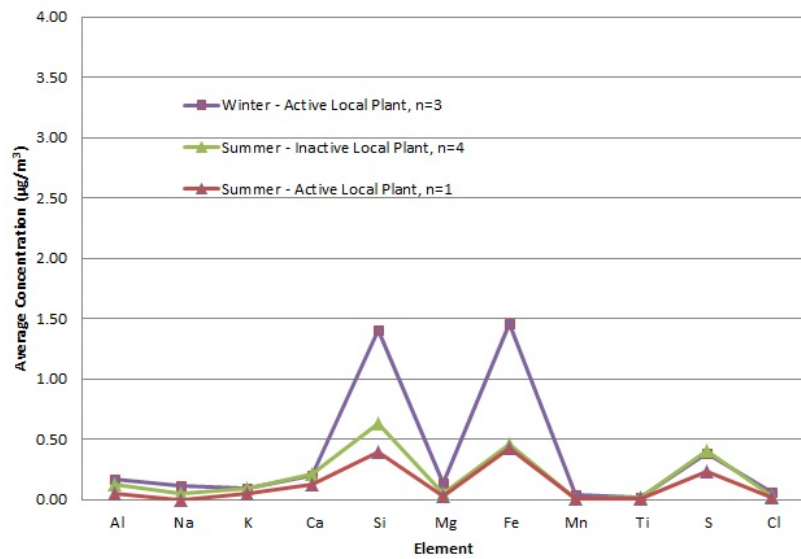
Keewatin Elementary School - Averaged Elemental Analysis - Total Filter



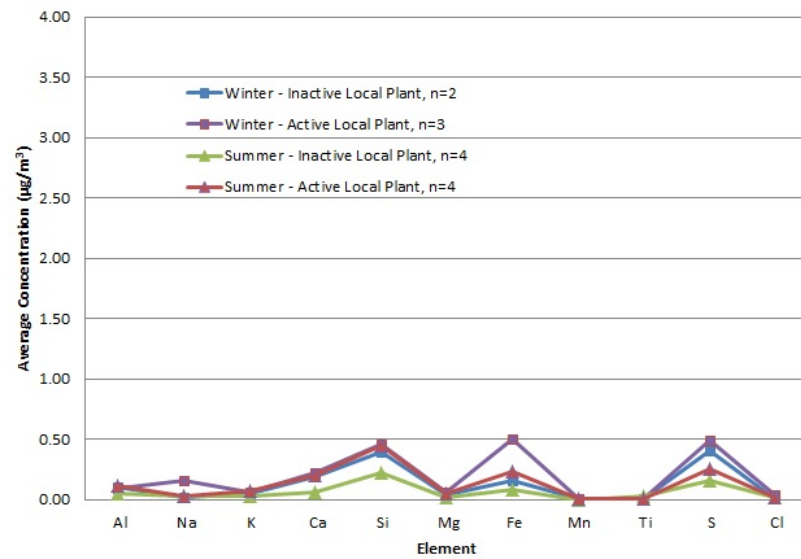
Hibbing High School - Averaged Elemental Analysis - Total Filter



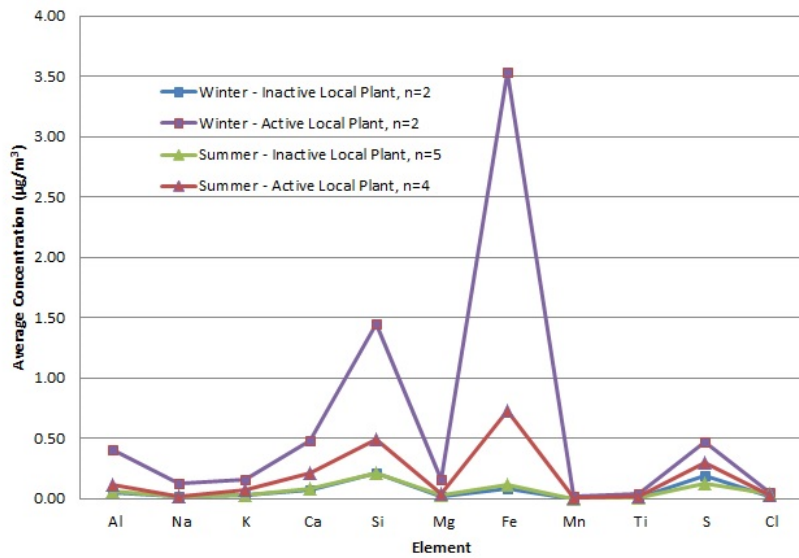
Virginia City Hall - Averaged Elemental Analysis - Total Filter



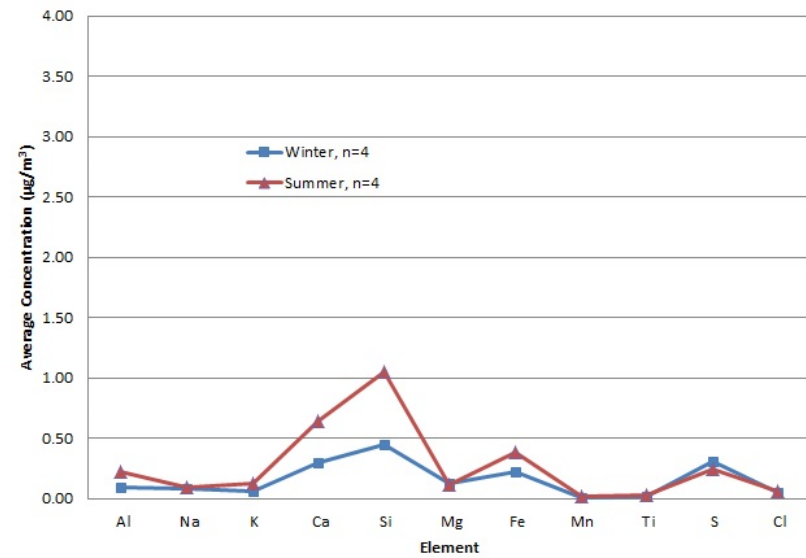
Babbitt Municipal Building - Averaged Elemental Analysis - Total Filter



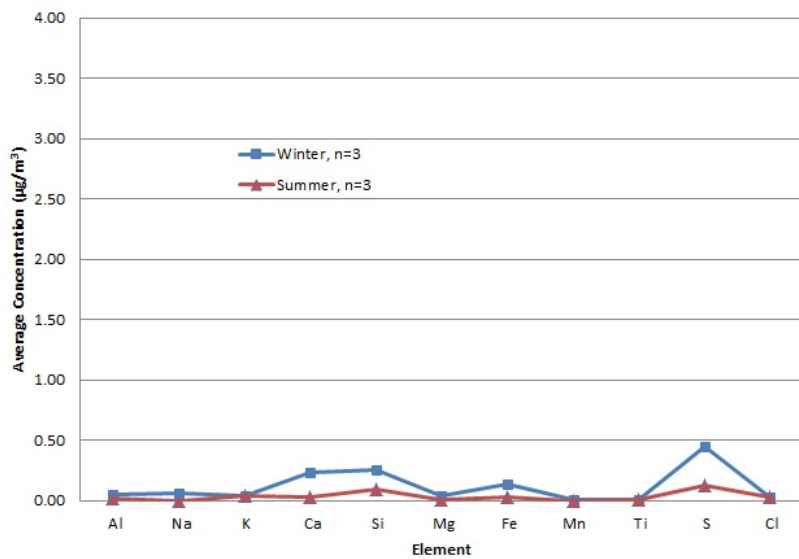
Silver Bay High School - Averaged Elemental Analysis - Total Filter



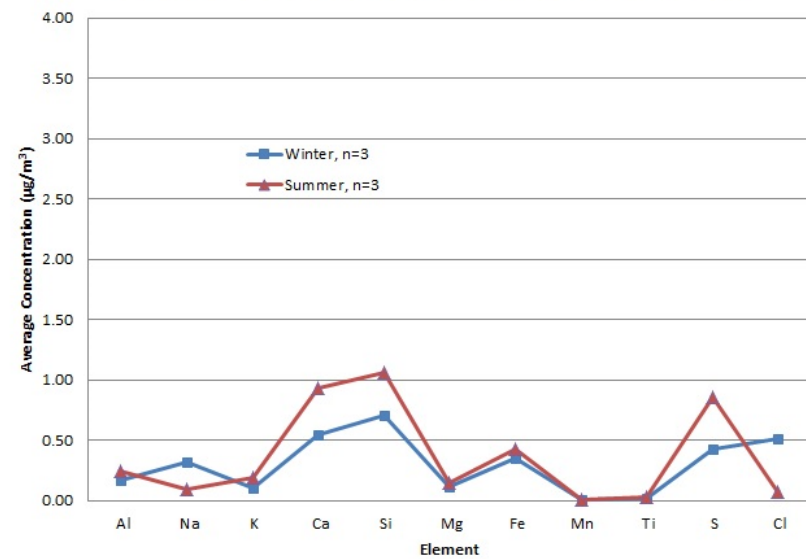
Duluth - NRRI - Averaged Elemental Analysis - Total Filter



Ely Fernberg Site - Averaged Elemental Analysis - Total Filter



MPLS - UMN Mech. Eng. Bldg. - Averaged Elemental Analysis - Total Filter

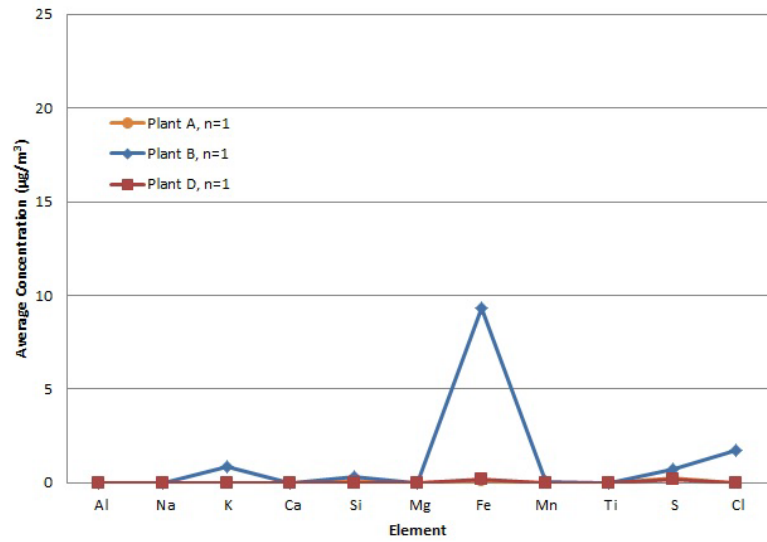


MIR Taconite Plants

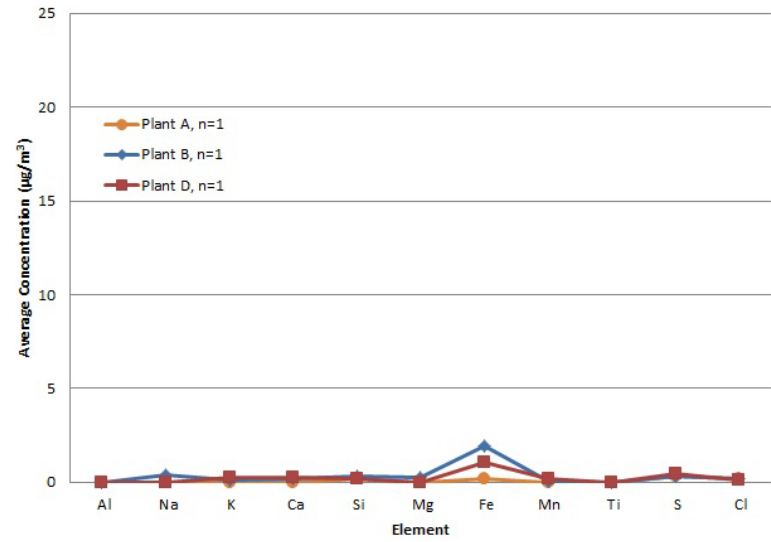
- **Inactive Submicron**
- **Active Submicron**
- **Active Crusher Submicron minus Si and Fe**

- **Inactive Total Filter**
- **Active Total Filter**
- **Active Crusher Total Filter minus Si and Fe**

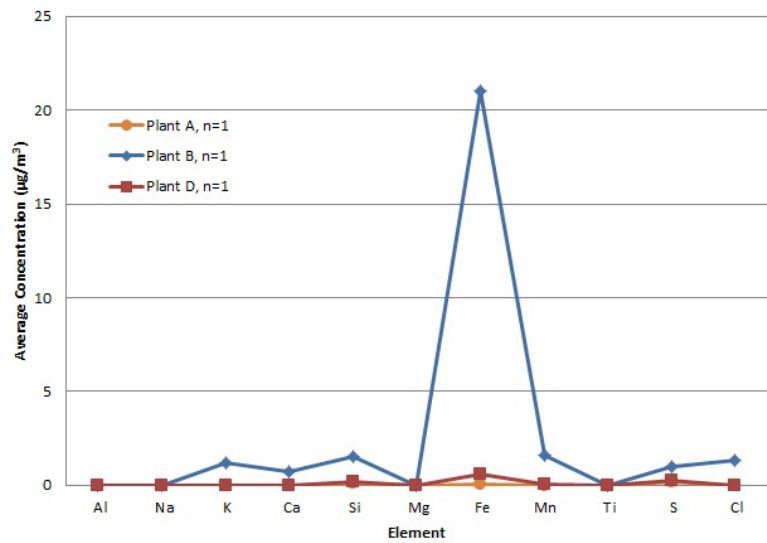
Inactive Crusher - Submicron PIXE Analysis



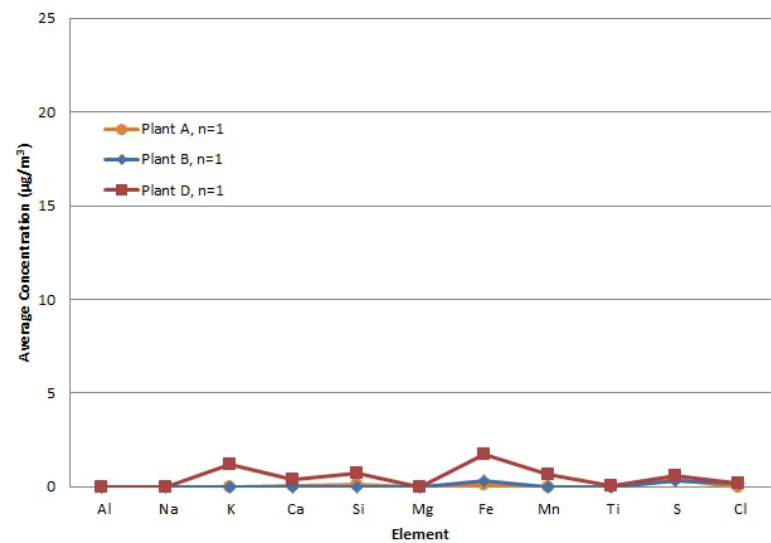
Inctive Agglomerator - Submicron PIXE Analysis



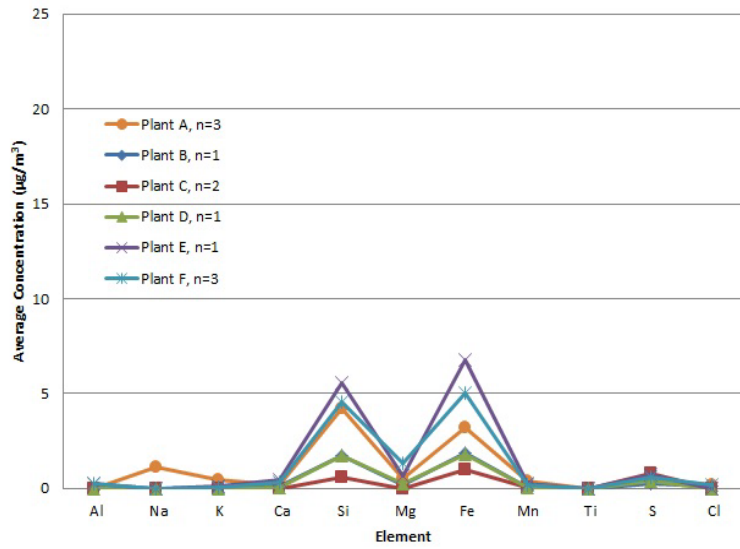
Inactive Concentrator - Submicron PIXE Analysis



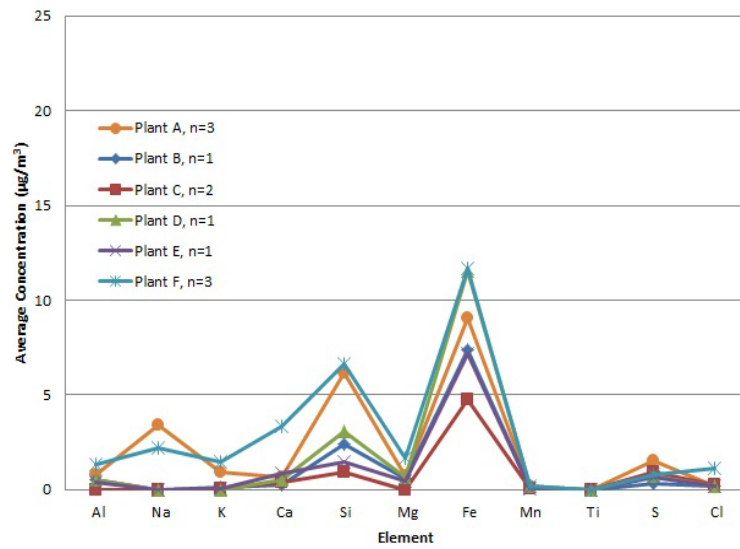
Inctive Kiln - Submicron PIXE Analysis



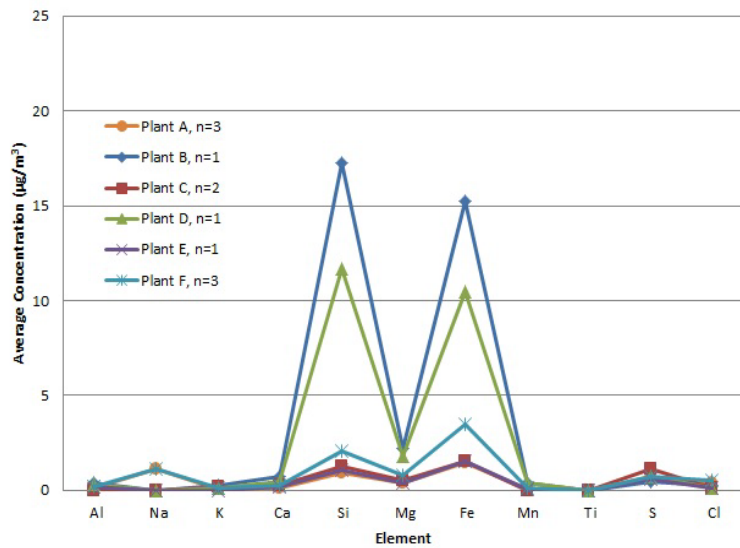
Active Crusher - Submicron PIXE Analysis



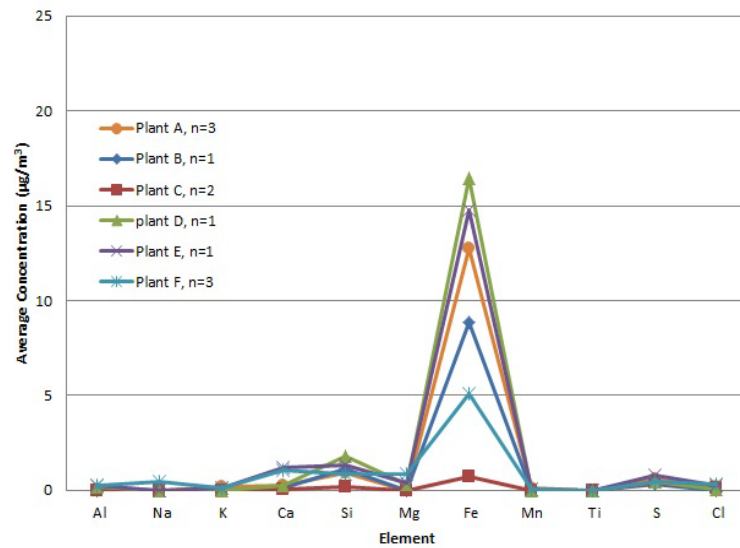
Active Agglomerator - Submicron PIXE Analysis



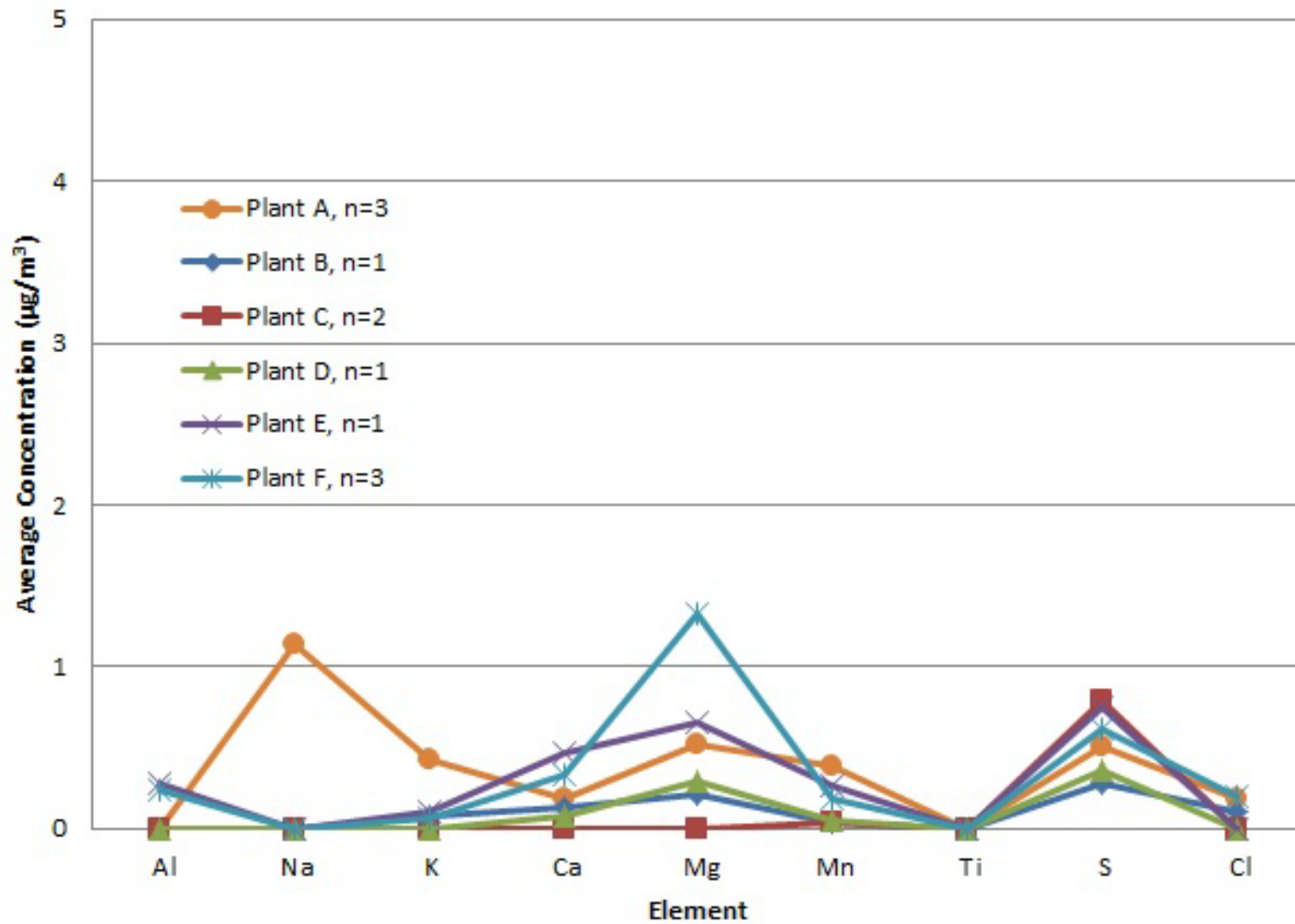
Active Concentrator - Submicron PIXE Analysis



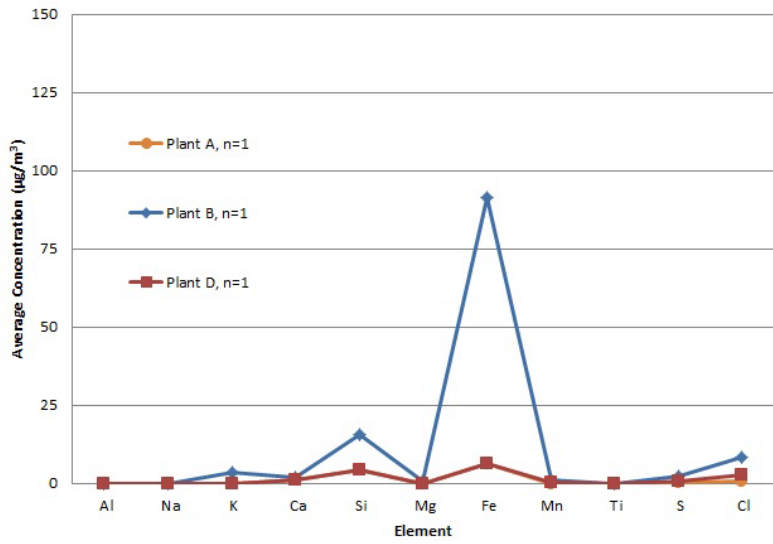
Active Kiln - Submicron PIXE Analysis



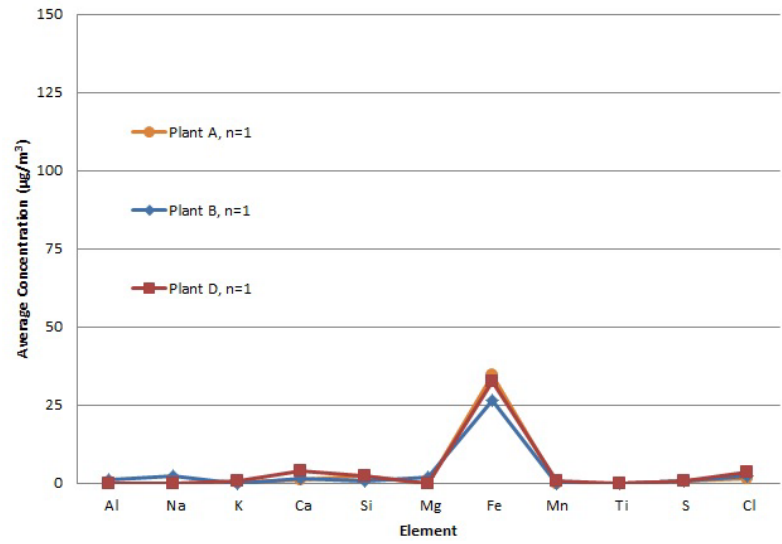
Active Crusher - Submicron PIXE Analysis - minus Si and Fe



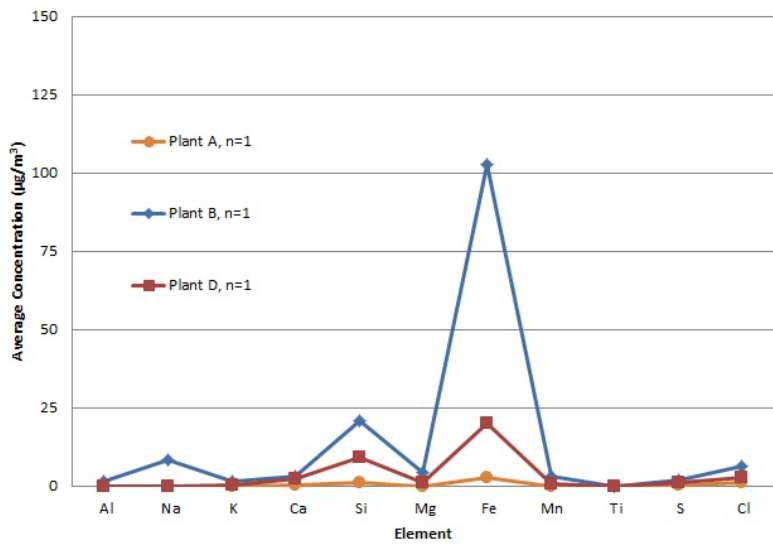
Inactive Crusher - Total Filter PIXE Analysis



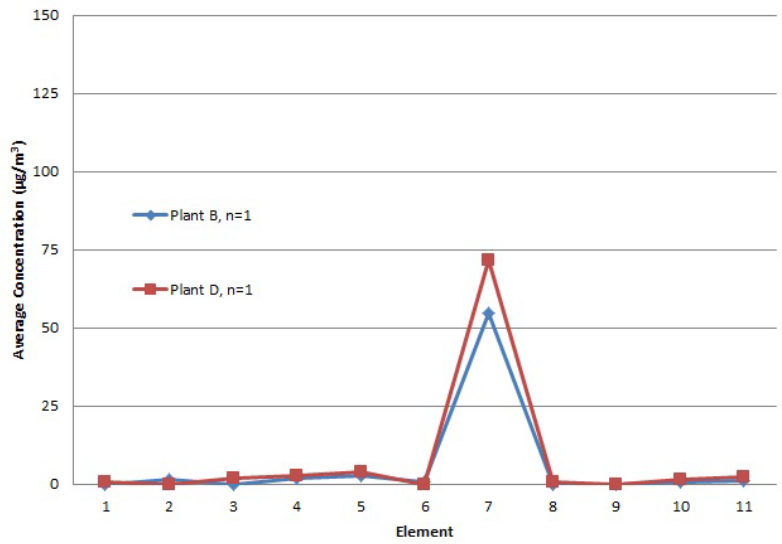
Inctive Agglomerator - Total Filter PIXE Analysis



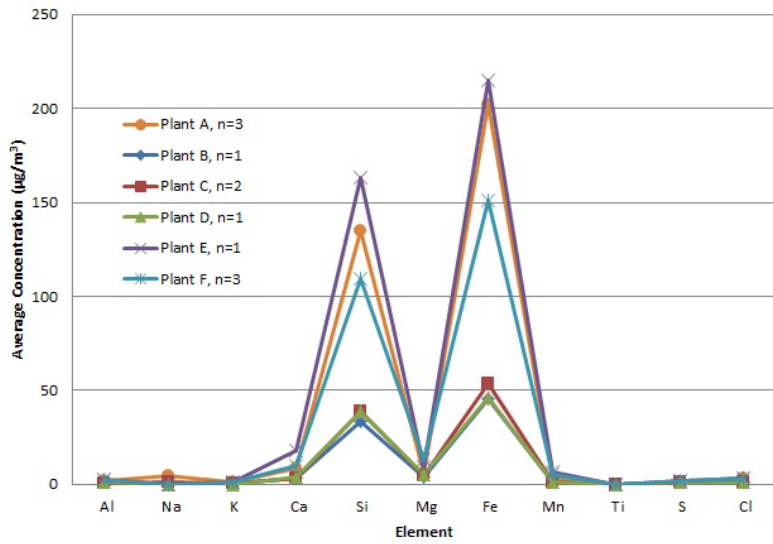
Inactive Concentrator - Total Filter PIXE Analysis



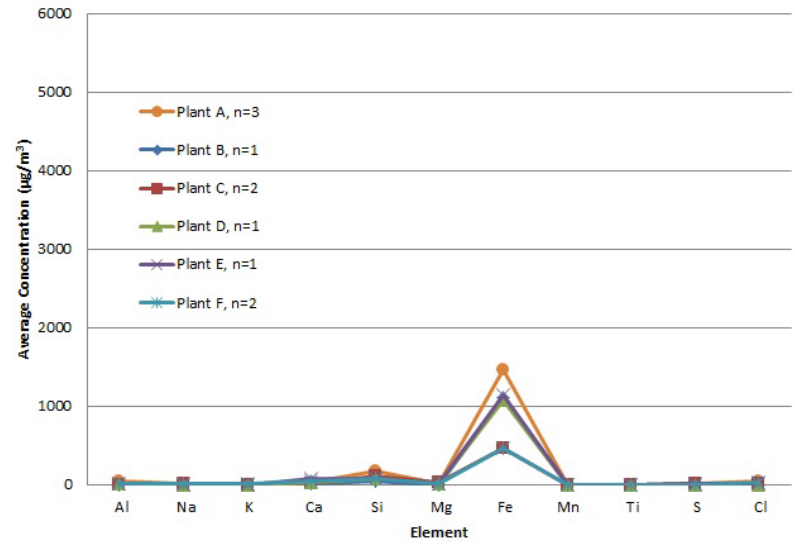
Inactive Kiln - Total Filter PIXE Analysis



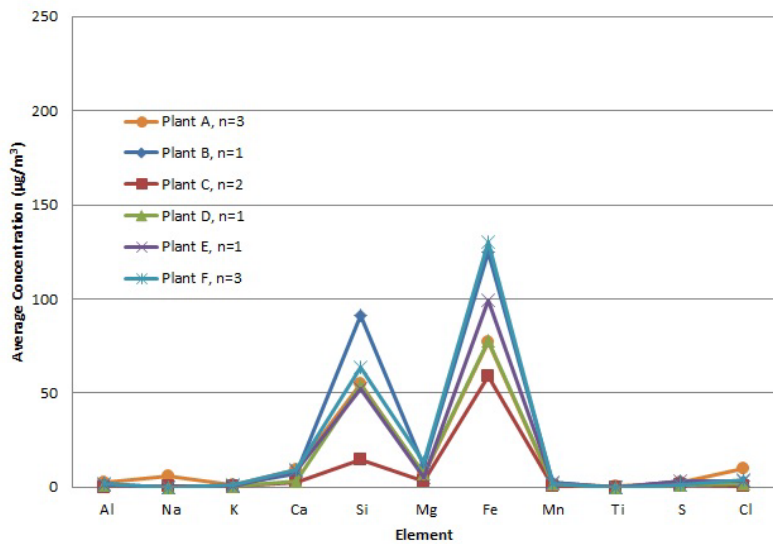
Active Crusher - Total Filter PIXE Analysis



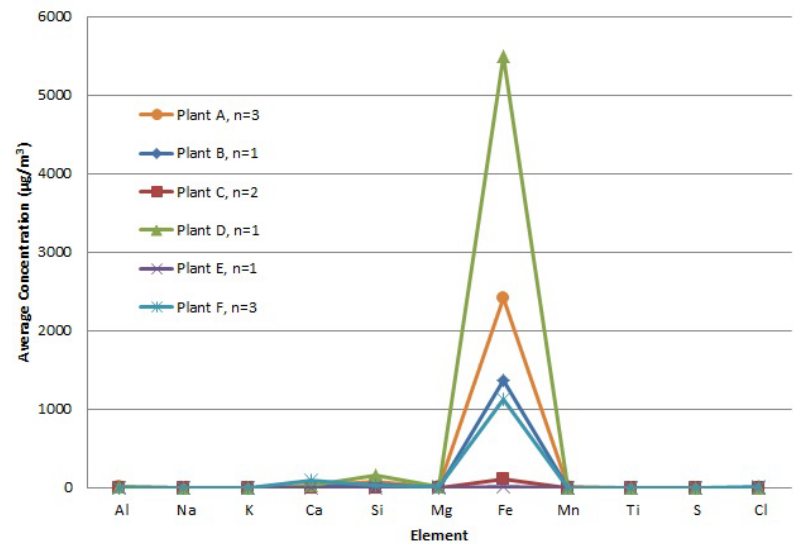
Active Agglomerator - Total Filter PIXE Analysis



Active Concentrator - Total Filter PIXE Analysis



Active Kiln - Total Filter PIXE Analysis



Active Crusher - Total Filter PIXE Analysis - minus Si and Fe

