



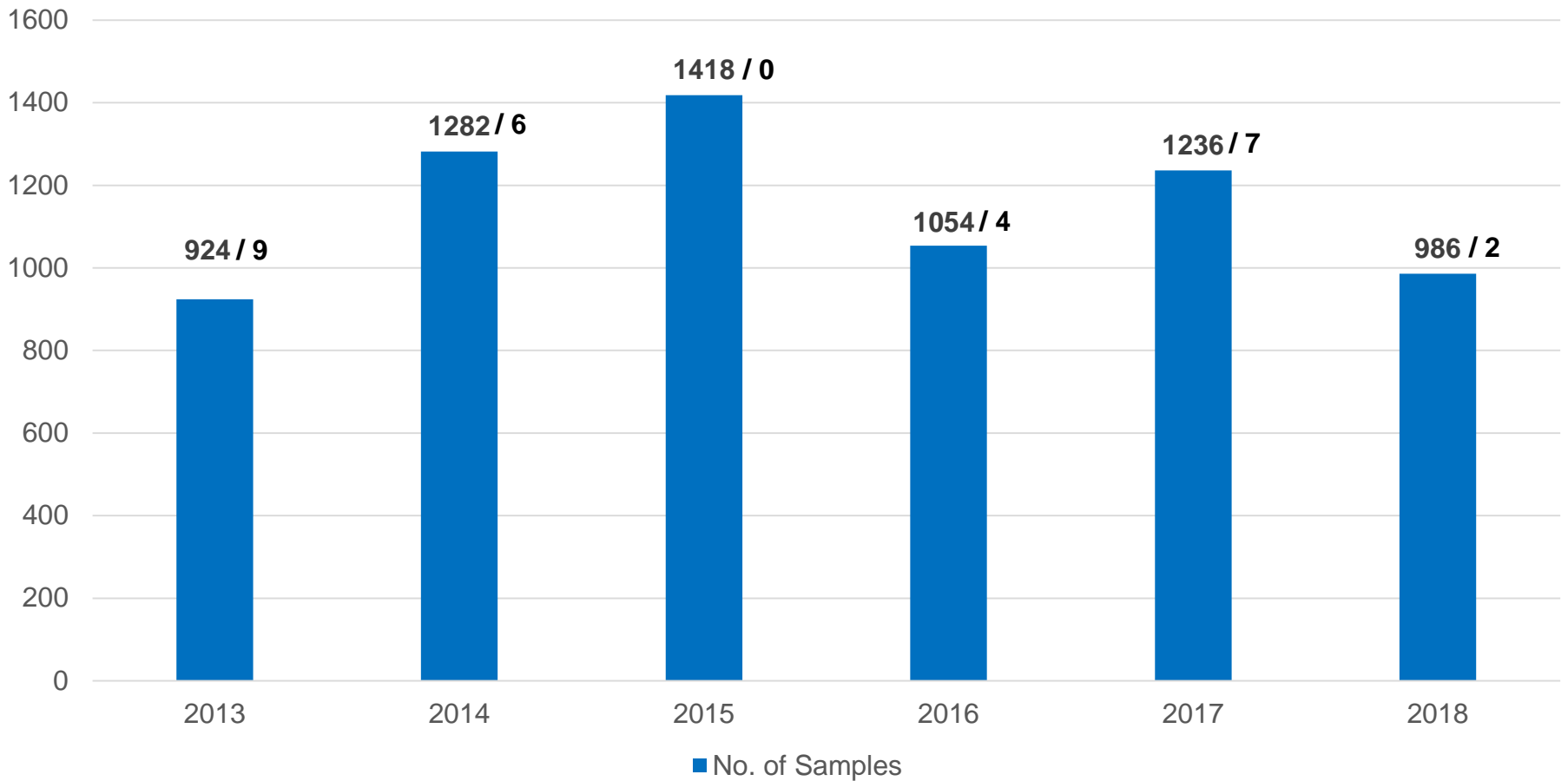
MSHA

Current Barriers to Deployment of Technologies Panel

January 23, 2019

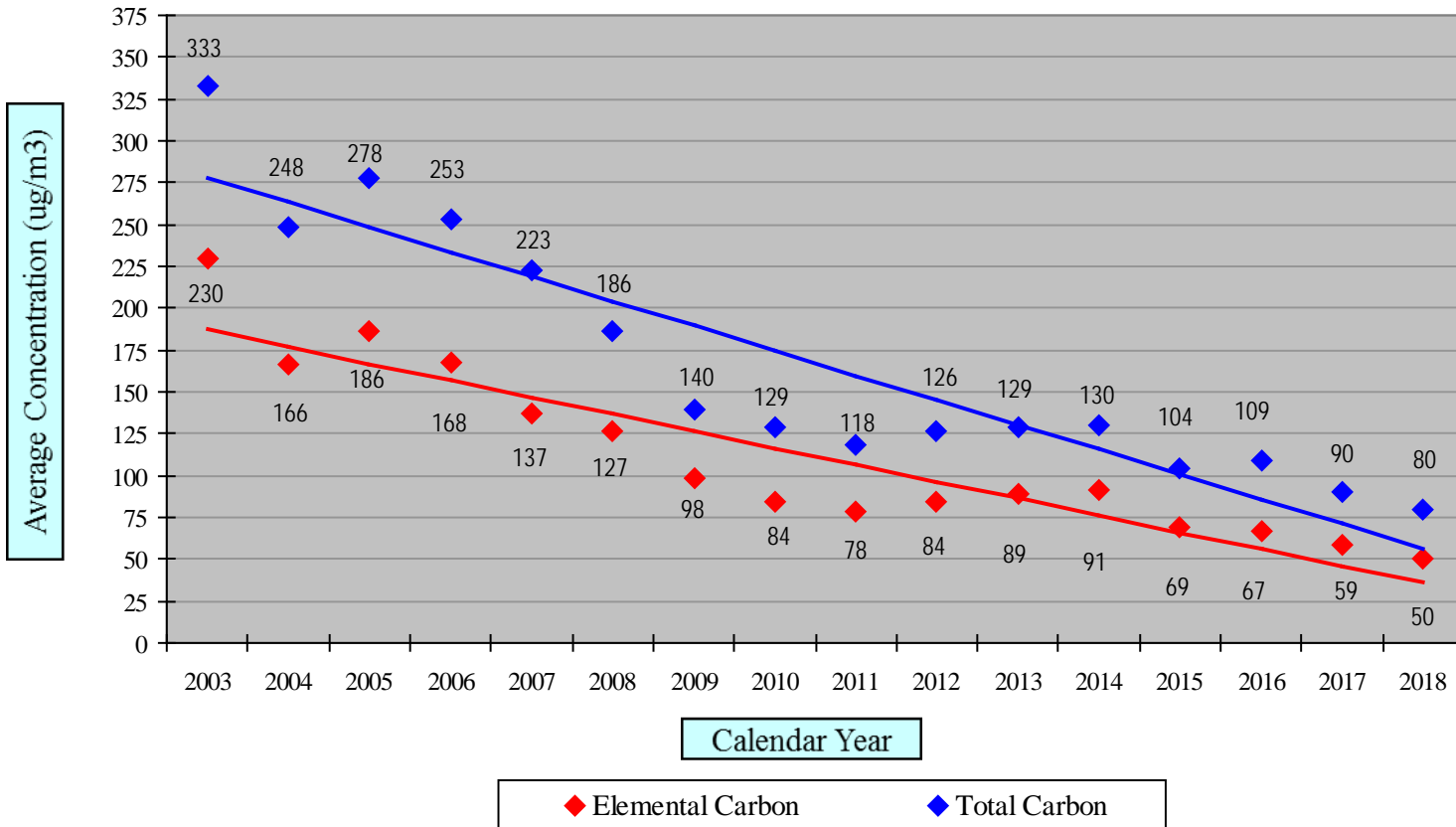


Underground Coal Mines Diesel – Exposure to CO/NO₂ Number of DPM Samples/Citations



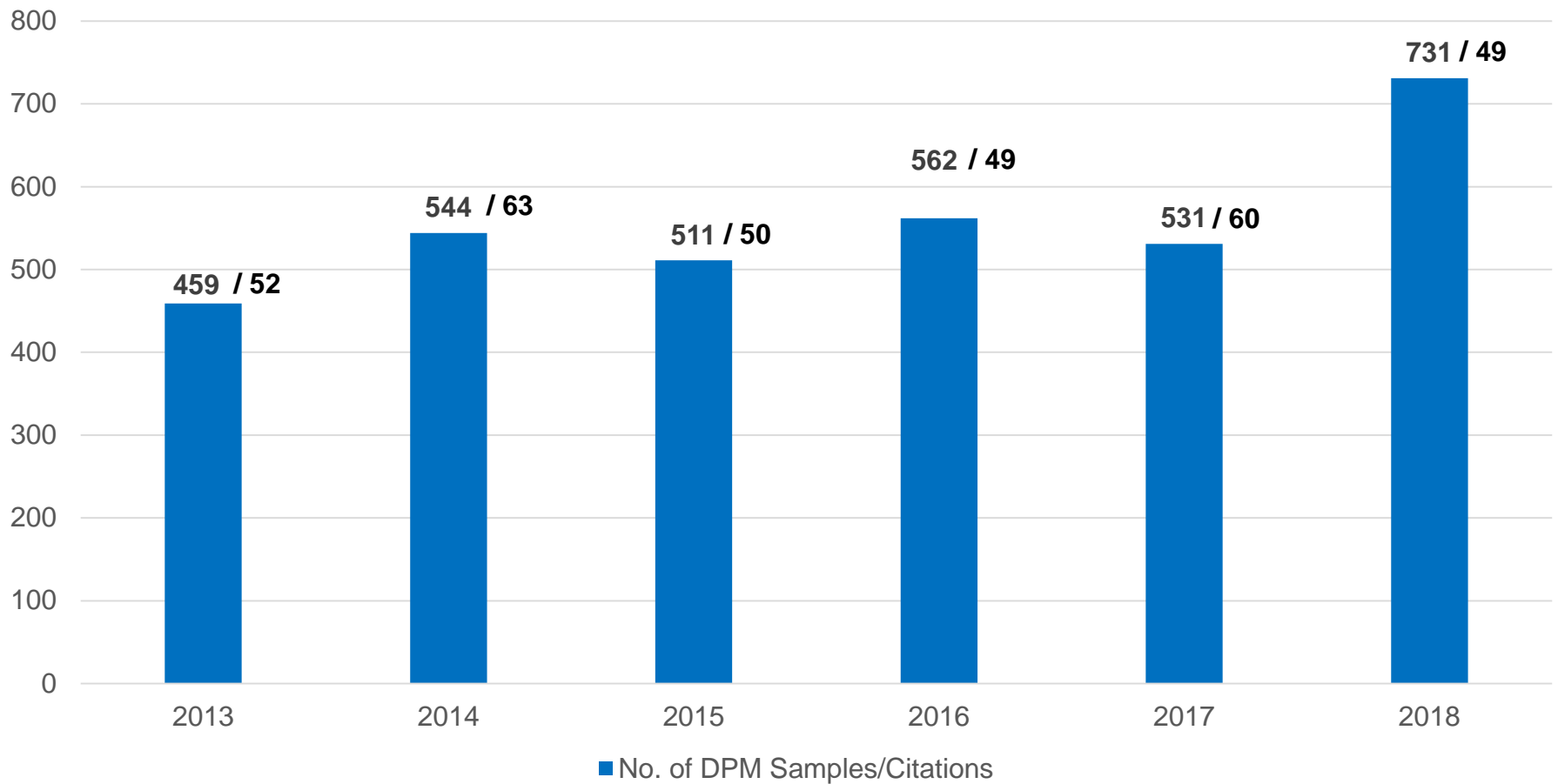


Underground Metal/Nonmetal Mines Average DPM Concentration by Calendar Year





Underground Metal/Nonmetal Mines Number of DPM Samples/Citations





Compliance Challenges

- ▶ Ventilation
- ▶ Maintenance
- ▶ Fueling practices