

FIELD NAME ON EXCEL FILE	FIELD DEFINITION
Particle sample	Thermal spray coating consumable wire
Filter #	Sample number
Metal	Specific metal that was measured
Weight %	Percentage by weight of each metal measured on a filter sample
Zn	Zinc
Ni	Nickel
Fe	Iron
Cr	Chromium
Mn	Manganese
Al	Aluminum
PMET540	Zn-based thermal spray coating consumable wire
PMET885	Ni- based thermal spray coating consumable wire
PMET731	Cr-based thermal spray coating consumable wire
Animal #	Identifier assigned to the rat from which the data was derived
Exposure	Type of exposure
Experiment Number	Number of the experiment
Exposure-animal number	Type of Exposure + the number of the animal exposed
Post-Exposure Time	Days after inhalation exposure
LDH	Lactate dehydrogenase (U/L)
Total BAL cells	Number of total lung cells recovered by bronchoalveolar lavage
BAL Macrophages	Number of alveolar macrophages recovered by bronchoalveolar lavage
BAL PMNs	Number of polymorphonuclear leukocytes recovered by bronchoalveolar lavage
BAL EOS	Number of eosinophils recovered by bronchoalveolar lavage
Air	Control group exposed only to filtered air
TSC	Exposure group exposed to thermal spray coating aerosol
Filter ID	Micro-Orifice Uniform Deposit Impactor (Moudi) stage filter identification
Filter conc	Moudi filter for particle size measurement - concentration (mg/m ³)
EPR Peak Height	Height of the peaks after electron paramagnetic resonance (EPR) analysis (mm)
Body weight	Animal body weight (g)
Lung Ni	Amount of nickel in the lungs (ug/g dry weight of tissue) after inhalation exposure to PMET885
Lung Zn	Amount of zinc in the lungs (ug/g dry weight of tissue) after inhalation exposure to PMET540

Lung Fe + Cr + Mn	Amount of total metal (Fe + Cr + Mn) in the lungs (ug/g dry weight of tissue) after inhalation exposure to PMET731
Lung Fe	Amount of Fe in the lungs (ug/g dry weight of tissue) after inhalation exposure to PMET731
Lung Cr	Amount of Cr in the lungs (ug/g dry weight of tissue) after inhalation exposure to PMET731
Lung Mn	Amount of Mn in the lungs (ug/g dry weight of tissue) after inhalation exposure to PMET731
% Total metals in lungs	Percentage of metals after initial Day 0 deposition remaining in the lungs
LDH (% air control)	Lactate Dehydrogenase (percentage of air control value)
Total BAL Cells (% air control)	Number of total lung cells recovered by bronchoalveolar lavage (percentage of air control value)