

**TABLE 3. MATRIX ASSOCIATIONS OF LEAD PARTICLES**

Experiment	Test Material	Particle Frequency		Relative Lead Mass	
		Liberated	Included	Liberated	Included
2	Bingham Creek Residential	100%	0%	100%	0%
	Bingham Creek Channel Soil	100%	0%	100%	0%
3	Jasper County High Lead Smelter	81%	19%	76%	24%
	Jasper County Low Lead Yard	100%	0%	94%	6%
4	Murray Smelter Slag	87%	13%	77%	23%
	Jasper County High Lead Mill	96%	4%	93%	7%
5	Aspen Berm	86%	14%	93%	8%
	Aspen Residential	98%	2%	94%	6%
6	Midvale Slag	91%	9%	77%	23%
	Butte Soil	91%	9%	91%	9%
7	California Gulch Phase I Residential Soil	79%	21%	65%	35%
	California Gulch Fe/Mn PbO	98%	2%	100%	0%
8	California Gulch AV Slag	78%	22%	80%	20%
9	Palmerton Location 2	100%	0%	100%	0%
	Palmerton Location 4	79%	21%	89%	11%
11	Murray Smelter Soil	80%	20%	70%	30%
	NIST Paint	100%	0%	100%	0%
12	Galena-enriched Soil	100%	0%	100%	0%
	California Gulch Oregon Gulch Tailings	2%	98%	5%	95%