

TABLE 4. MATRIX ASSOCIATIONS OF ARSENIC PARTICLES

Phase	Experiment	Sample	Number of Particles Counted	Particle Frequency		Arsenic Concentration (µg/g)	Relative Arsenic Mass	
				Liberated	Included		Liberated	Included
II	2	Bingham Creek Channel Soil	430	100%	0%	149	100%	0%
	4	Murray Smelter Slag	1108	99%	1%	695	95%	5%
	6	Butte Soil*	636	92%	8%	234	87%	13%
		Midvale Slag	1847	96%	4%	591	78%	22%
	7	California Gulch Phase I Residential Soil	510	88%	12%	203	94%	6%
		California Gulch Fe/Mn PbO	380	98%	2%	110	100%	0%
	8	California Gulch AV Slag	1472	85%	15%	1050	73%	27%
	9	Palmerton Location 2	111	100%	0%	110	100%	0%
		Palmerton Location 4	105	84%	16%	134	58%	42%
	11	Murray Smelter Soil	355	92%	8%	310	79%	21%
	15	Clark Fork Tailings	238	99%	1%	181	96%	4%
III	1	VBI70 TM1	261	100%	0%	312	100%	0%
		VBI70 TM2	128	99%	1%	983	95%	5%
		VBI70 TM3	97	100%	0%	390	100%	0%
	2	VBI70 TM4	139	100%	0%	813	100%	0%
		VBI70 TM5	103	95%	5%	368	100%	0%
		VBI70 TM6	124	100%	0%	516	100%	0%
	3	Butte TM2	137	100%	0%	367	100%	0%
	4	Aberjona River TM1	186	100%	0%	676.3	99%	1%
		Aberjona River TM2	123	100%	0%	312.8	100%	0%

* Same sample as evaluated in Phase III Experiment 3 (Butte TM1)