

TABLE V-2.—NUMBER OF MINES AND VALID SAMPLES, BY COMMODITY

Commodity	Number of mines	Number of valid samples	Average number of valid samples by mine
Metal	36	189	5.3
Stone	109	519	4.8
Trona	3	15	5.0
Other N/M	23	151	6.6
Total	171	874	5.1

Table V-3 lists the number of samples collected by specific commodities at the time the data set was compiled (March 26, 2003) and sorted by the average number of samples per mine. Although MSHA made efforts to sample all underground metal and nonmetal mines covered by this rulemaking within the specified time frame, several mines have

few or no samples for DPM in this analysis. Some metal and nonmetal mining operations are seasonal in that they are operated intermittently or operate at less than full production during certain times. These types of variable production schedules limited efforts to collect compliance assistance samples. MSHA continued to collect

baseline samples during the compliance assistance period, especially at those mines with a low sampling frequency or where no samples were collected as of March 26, 2003. Future analyses will incorporate all subsequent valid samples.

TABLE V-3.—NUMBER OF VALID SAMPLES PER MINE FOR SPECIFIC MINES

Specific commodity	Number of mines	Number of samples	Average samples per mine
GEMSTONES MINING, N.E.C.	1	2	2.0
GOLD ORE MINING, N.E.C.	17	34	2.0
DIMENSION MARBLE MINING	3	9	3.0
LIMESTONE	2	6	3.0
TALC MINING	1	3	3.0
CRUSHED & BROKEN MARBLE MINING	4	16	4.0
GYPSUM MINING	2	8	4.0
CRUSHED & BROKEN STONE MINING, N.E.C.	5	23	4.6
CRUSHED & BROKEN LIMESTONE MINING, N.E.C.	85	413	4.9
CLAY, CERAMIC & REFRACTORY MINERALS MINING, N.E.C.	1	5	5.0
CONSTRUCTION SAND & GRAVEL MINING, N.E.C.	1	5	5.0
COPPER ORE MINING, N.E.C.	1	5	5.0
CRUSHED & BROKEN SANDSTONE MINING	1	5	5.0
HYDRAULIC CEMENT	1	5	5.0
LIME, N.E.C.	4	20	5.0
TRONA MINING	3	15	5.0
DIMENSION LIMESTONE MINING	4	22	5.5
LEAD-ZINC ORE MINING, N.E.C.	10	70	7.0
SALT MINING	14	98	7.0
MISCELLANEOUS METAL ORE MINING, N.E.C.	1	9	9.0
MOLYBDENUM ORE MINING	2	19	9.5
PLATINUM GROUP ORE MINING	2	20	10.0
POTASH MINING	3	30	10.0
SILVER ORE MINING, N.E.C.	3	32	10.7
AVERAGE OF ALL SAMPLES	171	874	5.1

There are 63 different occupations in underground metal and nonmetal mines represented in this analysis. The most frequently sampled occupations are

Blaster, Drill Operator, Front-end Loader Operator, Truck Driver, Scaling (Mechanical), and Mechanic. Table V-4 lists the number of valid samples by

occupation and commodity. Only occupations with 14 or more samples are listed. Occupations with fewer samples were aggregated for this table.

TABLE V-4.—VALID SAMPLES, BY OCCUPATION AND MINE CATEGORY

Occupation	Metal	Stone	Trona	Other N/M	Total
Truck Driver	55	121	0	7	183
Front-end Loader Operator	23	115	4	13	155
Blaster, Powder Gang	9	72	0	19	100
Scaling (mechanical)	1	53	0	9	63
Drill Operator, Rotary	0	53	0	5	58
Mechanic	6	10	0	10	26