ASBESTOS FIBER COUNTING DATA SHEET

SAMPLE COLLECTION INFORMATION:
Lab Report No. _____
Lab Sample No. _____
Field Sample ID No. _____
DOEHRS Sample ID No. _____
Sample Air Volume: (L) _____
Filter Size (mm): _____

LABORATORY METHOD INFORMATION:
Method: NIOSH 7400, 15 Aug 1994, Rules: A
Reticle: Walton Beckett
Microscope: _____
Counting Field Area (A_f): 0.00785 mm^2
Effective Collection Area (A_c): 385 mm^2
Limit of Quantitation (LOQ): 7 fibers/mm^2

FIBER COUNTS/FIELD

1	21	41	61	81
2	22	42	62	82
3	23	43	63	83
4	24	44	64	84
5	25	45	65	85
6	26	46	66	86
7	27	47	67	87
8	28	48	68	88
9	29	49	69	89
10	30	50	70	90
11	31	51	71	91
12	32	52	72	92
13	33	53	73	93
14	34	54	74	94
15	35	55	75	95
16	36	56	76	96
17	37	57	77	97
18	38	58	78	98
19	39	59	79	99
20	40	60	80	100

SAMPLE:
   Total Fibers Counted (F):   _____
   Number of Fields Counted (n_f): _____
   Average Count (F/n_f):   _____

ASSOCIATED BLANK(S):
   Lab Sample ID No#:   _____
   Lab Sample ID No#:   _____
   Total Fiber Count (B):   _____
   Total Fields Counted (n_b): _____
   Mean Fibers/Field (B/n_b):_____

Where B/n_b is the *mean* fibers/field of all blanks

- If only one blank is associated with the sample, then the *mean* is equal to the blank's calculated fibers/field.

FIBER DENSITY (E) $= \dfrac{(F/n_f - B/n_b)}{A_f}$ = $\dfrac{(_____) - (_____)}{0.00785 \text{ mm}^2/\text{field}}$ = [_____ Fibers/mm^2]

CONCENTRATION: $\dfrac{(E_{f/mm^2})(A_c)}{(V_{Liters})(1000_{cc/L})}$ = $\dfrac{(_____)(385 \text{ mm}^2)}{(_____)(1000_{cc/L})}$ = [_____ Fibers/cc]

PERFORMED BY: _____   ANALYSIS DATE: _____

REVIEWED BY: _____   REVIEW DATE: _____