

FEDERAL REFERENCE METHOD 1
Sample and Velocity Traverses for Stationary Sources

Plant _____ Date _____

Location _____ Test No. _____

INPUT PARAMETERS

Sketch of Stack Geometry

Circular Stack:

Interior duct cross-section diameter = _____ ft.

Sampling port diameter = _____ in.

Sampling port nipple length = _____ in.

Stack cross-sectional area = _____ ft²

Rectangular Stack:

Length of stack location (L) = _____ ft.

Width of Stack location (W) = _____ ft.

Equivalent diameter $D_e = \frac{2LW}{(L+W)}$ = _____ ft.

Sampling Site:

Diameter downstream of disturbance = _____ ft.

Diameter upstream of disturbance = _____

Minimum number of sampling points = _____

Total sampling time = _____ min

Individual point sampling times = _____ min

Sample and Velocity Traverses for Stationary Sources (continued)

Location of Sampling Points:

CIRCULAR

Sample point number	Circular stack % diameter	Distance from sample port opening, in.
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		

RECTANGULAR

