

SIEVING ERROR: 0.5%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **AL-91-12\_75**

ANALYST &amp; DATE: SA/RM, 8/17/91

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Fine Sand

	$\mu\text{m}$	$\phi$	GRAIN SIZE DISTRIBUTION			
MODE 1:	273.5	1.876	GRAVEL: 0.0%	COARSE SAND: 5.1%		
MODE 2:	193.5	2.375	SAND: 100.0%	MEDIUM SAND: 38.6%		
MODE 3:			MUD: 0.0%	FINE SAND: 52.3%		
D <sub>10</sub> :	159.7	1.208		V FINE SAND: 1.8%		
MEDIAN or D <sub>50</sub> :	238.8	2.066	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D <sub>90</sub> :	432.8	2.647	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D <sub>90</sub> / D <sub>10</sub> ):	2.711	2.191	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D <sub>90</sub> - D <sub>10</sub> ):	273.1	1.439	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D <sub>75</sub> / D <sub>25</sub> ):	1.533	1.346	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D <sub>75</sub> - D <sub>25</sub> ):	101.0	0.617	V COARSE SAND: 2.3%	CLAY: 0.0%		
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	$\mu\text{m}$	$\mu\text{m}$	$\phi$	$\mu\text{m}$	$\phi$	
MEAN ( $\bar{x}$ ):	288.9	251.8	1.990	243.1	2.040	Fine Sand
SORTING ( $\sigma$ ):	213.5	1.572	0.653	1.458	0.544	Moderately Well Sorted
SKEWNESS ( $Sk$ ):	4.093	1.546	-1.546	0.178	-0.178	Coarse Skewed
KURTOSIS ( $K$ ):	22.36	6.849	6.849	1.352	1.352	Leptokurtic

**GRAIN SIZE DISTRIBUTION**