

SIEVING ERROR: 0.4%

SAMPLE STATISTICSSAMPLE IDENTITY: **AL-91-14_50**

ANALYST & DATE: SA/RM, 8/21/91

SAMPLE TYPE: Bimodal, Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Well Sorted Medium Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|-------------|
| MODE 1: | 273.5 | 1.876 | GRAVEL: 0.0% | COARSE SAND: 1.3% | | |
| MODE 2: | 193.5 | 2.375 | SAND: 99.4% | MEDIUM SAND: 47.9% | | |
| MODE 3: | | | MUD: 0.6% | FINE SAND: 47.1% | | |
| D_{10} : | 149.8 | 1.516 | | V FINE SAND: 3.1% | | |
| MEDIAN or D_{50} : | 246.8 | 2.018 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.6% | | |
| D_{90} : | 349.6 | 2.739 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 2.333 | 1.806 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 199.7 | 1.222 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.585 | 1.374 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 107.6 | 0.665 | V COARSE SAND: 0.0% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 249.1 | 232.6 | 2.104 | 235.5 | 2.086 | Fine Sand |
| SORTING (σ): | 93.50 | 1.442 | 0.528 | 1.405 | 0.491 | Well Sorted |
| SKEWNESS (Sk): | 1.866 | -0.409 | 0.409 | -0.172 | 0.172 | Fine Skewed |
| KURTOSIS (K): | 12.36 | 4.978 | 4.978 | 1.006 | 1.006 | Mesokurtic |

GRAIN SIZE DISTRIBUTION