

Quality Control Statistical Summary

Onshore Grab Sample: GF-26-BB

Sample Taken By: D. Phelps

Latitude: 29° 41' 3.6" N

Sample Taken On: 12/10/10

Longitude: 85° 17' 26.9" W

County: Gulf

Datum: WGS 84

| Statistical Results: Pre-CaCO3 | | | | |
|--------------------------------|-----------|-----------------------|----------|-----------------------|
| | Duplicate | | Original | |
| Mean: | 1.5373 | phi (0.3445 mm) | 1.8678 | phi (0.274 mm) |
| Standard Dev: | 0.8299 | phi-units (0.5626 mm) | 0.6162 | phi-units (0.6524 mm) |
| Skewness: | -1.1756 | dimensionless | -1.2703 | dimensionless |
| Kurtosis: | 5.2134 | dimensionless | 7.1453 | dimensionless |
| 5th Moment: | -14.5388 | dimensionless | -27.7554 | dimensionless |
| 6th Moment: | 54.1190 | dimensionless | 139.6136 | dimensionless |
| RARD*: | 0.5399 | dimensionless | 0.3299 | dimensionless |
| Median: | 1.5100 | phi (0.3511 mm) | 1.7852 | phi (0.2901 mm) |

| Statistical Results: CaCO3 |
|---|
| Not Enough Carbonate Material to do Post-Digestion Analysis |

| Statistical Results: Post-CaCO3 |
|---|
| Not Enough Carbonate Material to do Post-Digestion Analysis |

| Additional Data | |
|-------------------------|--------|
| Total Fines | |
| Original: | 0.02 % |
| Duplicate: | 0.01 % |
| Total Carbonates | |
| Original: | 4.39 % |
| Duplicate: | 4.18 % |

| Statistical Explanation | |
|--|---------------------------------------|
| Calculations based on the Method of Moments | |
| Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0 | |
| Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0 | |
| Millimeter data calculated by $mm = 2^{(-\phi)}$ | |
| * Reciprocal Absolute Relative Dispersion (RARD) Scale | |
| < 0.5 | Excellent homogeneity (e.g., beaches) |
| 0.5 to 1.0 | Good homogeneity |
| 1.0 to 1.33 | Fair homogeneity |
| > 1.33 | Poor homogeneity (e.g., glacial) |

Pre-Digestion Grain Size Distribution

Onshore Grab Sample: GF-26-BB

Total Duplicate Sample Mass: 53.585 grams

Total Original Sample Mass: 54.032 grams

| Sieve Size (phi) | Sieve Midpt (phi) | Weight of Dupl (grams) | Freq Weight % | Cumulative Weight % | Weight of Original (grams) | Freq Weight % | Cumulative Weight % |
|------------------|-------------------|------------------------|---------------|---------------------|----------------------------|---------------|---------------------|
| -2.25 | -2.375 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| -2.00 | -2.125 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| -1.75 | -1.875 | 0.218 | 0.407 | 0.407 | 0.058 | 0.107 | 0.107 |
| -1.50 | -1.625 | 0.226 | 0.422 | 0.829 | 0.000 | 0.000 | 0.107 |
| -1.25 | -1.375 | 0.149 | 0.278 | 1.107 | 0.045 | 0.083 | 0.191 |
| -1.00 | -1.125 | 0.221 | 0.412 | 1.519 | 0.092 | 0.170 | 0.361 |
| -0.75 | -0.875 | 0.279 | 0.521 | 2.040 | 0.077 | 0.143 | 0.503 |
| -0.50 | -0.625 | 0.610 | 1.138 | 3.178 | 0.178 | 0.329 | 0.833 |
| -0.25 | -0.375 | 0.534 | 0.997 | 4.175 | 0.170 | 0.315 | 1.147 |
| 0.00 | -0.125 | 0.790 | 1.474 | 5.649 | 0.179 | 0.331 | 1.479 |
| 0.25 | 0.125 | 0.737 | 1.375 | 7.024 | 0.220 | 0.407 | 1.886 |
| 0.50 | 0.375 | 1.118 | 2.086 | 9.111 | 0.365 | 0.676 | 2.561 |
| 0.75 | 0.625 | 1.594 | 2.975 | 12.085 | 0.610 | 1.129 | 3.690 |
| 1.00 | 0.875 | 3.984 | 7.435 | 19.520 | 1.321 | 2.445 | 6.135 |
| 1.25 | 1.125 | 4.553 | 8.497 | 28.017 | 2.486 | 4.601 | 10.736 |
| 1.50 | 1.375 | 7.603 | 14.189 | 42.206 | 6.059 | 11.214 | 21.950 |
| 1.75 | 1.625 | 7.734 | 14.433 | 56.639 | 9.552 | 17.678 | 39.628 |
| 2.00 | 1.875 | 7.840 | 14.631 | 71.270 | 8.746 | 16.187 | 55.815 |
| 2.25 | 2.125 | 5.647 | 10.538 | 81.808 | 9.231 | 17.084 | 72.899 |
| 2.50 | 2.375 | 5.170 | 9.648 | 91.457 | 7.627 | 14.116 | 87.015 |
| 2.75 | 2.625 | 3.185 | 5.944 | 97.400 | 5.063 | 9.370 | 96.385 |
| 3.00 | 2.875 | 1.247 | 2.327 | 99.728 | 1.704 | 3.154 | 99.539 |
| 3.25 | 3.125 | 0.115 | 0.215 | 99.942 | 0.208 | 0.385 | 99.924 |
| 3.50 | 3.375 | 0.023 | 0.043 | 99.985 | 0.030 | 0.056 | 99.980 |
| 3.75 | 3.625 | 0.004 | 0.007 | 99.993 | 0.007 | 0.013 | 99.993 |
| 4.00 | 3.875 | 0.000 | 0.000 | 99.993 | 0.003 | 0.006 | 99.998 |
| 5.00 | 4.500 | 0.004 | 0.007 | 100.000 | 0.001 | 0.002 | 100.000 |



