

Quality Control Statistical Summary

Onshore Grab Sample: GF-15-BB

Sample Taken By: D. Phelps
 Sample Taken On: 11/19/10
 County: Gulf

Latitude: 29° 44' 50.1" N
 Longitude: 85° 23' 56.8" W
 Datum: WGS 84

Statistical Results: Pre-CaCO3				
	Duplicate		Original	
Mean:	1.8337	phi (0.2805 mm)	1.7097	phi (0.3057 mm)
Standard Dev:	0.5837	phi-units (0.6673 mm)	0.7522	phi-units (0.5937 mm)
Skewness:	-0.7269	dimensionless	-2.1697	dimensionless
Kurtosis:	4.7836	dimensionless	11.9311	dimensionless
5th Moment:	-12.9134	dimensionless	-57.0260	dimensionless
6th Moment:	62.2691	dimensionless	298.9123	dimensionless
RARD*:	0.3183	dimensionless	0.4399	dimensionless
Median:	1.7344	phi (0.3005 mm)	1.6516	phi (0.3183 mm)

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

Statistical Results: Post-CaCO3
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Additional Data	
Total Fines	
Original:	0.03 %
Duplicate:	0.02 %
Total Carbonates	
Original:	3.78 %
Duplicate:	1.83 %

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-15-BB

Total Duplicate Sample Mass: 63.903 grams

Total Original Sample Mass: 58.356 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	0.532	0.912	0.912
-2.00	-2.125	0.000	0.000	0.000	0.096	0.165	1.076
-1.75	-1.875	0.000	0.000	0.000	0.068	0.117	1.193
-1.50	-1.625	0.000	0.000	0.000	0.000	0.000	1.193
-1.25	-1.375	0.000	0.000	0.000	0.068	0.117	1.309
-1.00	-1.125	0.085	0.133	0.133	0.062	0.106	1.415
-0.75	-0.875	0.072	0.113	0.246	0.097	0.166	1.582
-0.50	-0.625	0.113	0.177	0.423	0.143	0.245	1.827
-0.25	-0.375	0.112	0.175	0.598	0.152	0.260	2.087
0.00	-0.125	0.166	0.260	0.858	0.197	0.338	2.425
0.25	0.125	0.173	0.271	1.128	0.260	0.446	2.870
0.50	0.375	0.466	0.729	1.858	0.756	1.295	4.166
0.75	0.625	0.876	1.371	3.228	1.311	2.247	6.412
1.00	0.875	2.667	4.174	7.402	2.089	3.580	9.992
1.25	1.125	3.805	5.954	13.356	4.216	7.225	17.217
1.50	1.375	7.508	11.749	25.105	7.433	12.737	29.954
1.75	1.625	10.535	16.486	41.591	10.694	18.325	48.280
2.00	1.875	12.276	19.210	60.802	9.450	16.194	64.473
2.25	2.125	9.264	14.497	75.298	8.857	15.178	79.651
2.50	2.375	8.411	13.162	88.461	6.530	11.190	90.841
2.75	2.625	5.189	8.120	96.581	3.990	6.837	97.678
3.00	2.875	1.937	3.031	99.612	1.169	2.003	99.681
3.25	3.125	0.192	0.300	99.912	0.139	0.238	99.919
3.50	3.375	0.039	0.061	99.973	0.029	0.050	99.969
3.75	3.625	0.011	0.017	99.991	0.011	0.019	99.988
4.00	3.875	0.000	0.000	99.991	0.006	0.010	99.998
5.00	4.500	0.006	0.009	100.000	0.001	0.002	100.000



