

Quality Control Statistical Summary

Onshore Grab Sample: BY-43-BB

Sample Taken By: D. Phelps

Latitude: 29° 57' 7.1" N

Sample Taken On: 01/11/11

Longitude: 85° 26' 21" W

County: Bay

Datum: WGS 84

Statistical Results: Pre-CaCO3						
	Duplicate			Original		
Mean:	1.9936	phi	(0.2511 mm)	1.9723	phi	(0.2548 mm)
Standard Dev:	0.3837	phi-units	(0.7665 mm)	0.4236	phi-units	(0.7455 mm)
Skewness:	-0.8780	dimensionless		-1.4058	dimensionless	
Kurtosis:	5.3624	dimensionless		7.3231	dimensionless	
5th Moment:	-14.4578	dimensionless		-28.4228	dimensionless	
6th Moment:	80.4086	dimensionless		151.4372	dimensionless	
RARD*:	0.1925	dimensionless		0.2148	dimensionless	
Median:	1.9027	phi	(0.2674 mm)	1.9145	phi	(0.2653 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:	0.01 %
Total Carbonates	
Original:	1.01 %
Duplicate:	0.68 %

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

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Total Duplicate Sample Mass: 49.842 grams

Total Original Sample Mass: 66.269 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	0.000	0.000	0.000	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000	0.033	0.050	0.050
-0.50	-0.625	0.000	0.000	0.000	0.032	0.048	0.098
-0.25	-0.375	0.015	0.030	0.030	0.042	0.063	0.161
0.00	-0.125	0.021	0.042	0.072	0.055	0.083	0.244
0.25	0.125	0.046	0.092	0.165	0.149	0.225	0.469
0.50	0.375	0.115	0.231	0.395	0.334	0.504	0.973
0.75	0.625	0.156	0.313	0.708	0.525	0.792	1.766
1.00	0.875	0.565	1.134	1.842	0.784	1.183	2.949
1.25	1.125	0.900	1.806	3.648	1.498	2.260	5.209
1.50	1.375	2.637	5.291	8.938	3.673	5.543	10.752
1.75	1.625	5.881	11.799	20.738	7.663	11.563	22.315
2.00	1.875	13.020	26.123	46.860	15.038	22.692	45.007
2.25	2.125	14.139	28.368	75.228	20.952	31.617	76.624
2.50	2.375	9.742	19.546	94.773	12.240	18.470	95.094
2.75	2.625	2.279	4.572	99.346	2.921	4.408	99.502
3.00	2.875	0.266	0.534	99.880	0.271	0.409	99.911
3.25	3.125	0.037	0.074	99.954	0.035	0.053	99.964
3.50	3.375	0.018	0.036	99.990	0.015	0.023	99.986
3.75	3.625	0.002	0.004	99.994	0.006	0.009	99.995
4.00	3.875	0.000	0.000	99.994	0.001	0.002	99.997
5.00	4.500	0.003	0.006	100.000	0.002	0.003	100.000



