

Quality Control Statistical Summary

Onshore Grab Sample: BW-24-BB

Sample Taken By: D. Phelps

Latitude: 26° 00' 13.5"

Sample Taken On: 01/28/09

Longitude: 80° 06' 57.7"

County: Broward

Datum: WGS 84

Statistical Results: Pre-CaCO3						
	Duplicate			Original		
Mean:	0.2632	phi	(0.8332 mm)	0.3932	phi	(0.7615 mm)
Standard Dev:	0.8587	phi-units	(0.5515 mm)	0.7504	phi-units	(0.5944 mm)
Skewness:	-0.1872	dimensionless		-0.0066	dimensionless	
Kurtosis:	3.3606	dimensionless		3.3182	dimensionless	
5th Moment:	-2.1593	dimensionless		-0.1733	dimensionless	
6th Moment:	19.2565	dimensionless		20.6603	dimensionless	
RARD*:	3.2626	dimensionless		1.9087	dimensionless	
Median:	0.1618	phi	(0.8939 mm)	0.2691	phi	(0.8298 mm)

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

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Additional Data	
Total Fines	
Original:	0.31 %
Duplicate:	0.4 %
Total Carbonates	
Original:	88.16 %
Duplicate:	88.76 %

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: BW-24-BB

Total Duplicate Sample Mass: 49.336 grams

Total Original Sample Mass: 53.588 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	0.305	0.618	0.618	0.000	0.000	0.000
-2.00	-2.125	0.468	0.949	1.567	0.172	0.321	0.321
-1.75	-1.875	0.182	0.369	1.936	0.039	0.073	0.394
-1.50	-1.625	0.367	0.744	2.680	0.256	0.478	0.871
-1.25	-1.375	0.696	1.411	4.090	0.442	0.825	1.696
-1.00	-1.125	0.931	1.887	5.977	0.645	1.204	2.900
-0.75	-0.875	1.842	3.734	9.711	1.339	2.499	5.399
-0.50	-0.625	3.192	6.470	16.181	2.474	4.617	10.015
-0.25	-0.375	5.188	10.516	26.697	4.650	8.677	18.693
0.00	-0.125	5.437	11.020	37.717	6.166	11.506	30.199
0.25	0.125	5.105	10.347	48.064	6.094	11.372	41.571
0.50	0.375	6.494	13.163	61.227	7.837	14.625	56.195
0.75	0.625	5.659	11.470	72.697	7.259	13.546	69.741
1.00	0.875	4.442	9.004	81.701	5.734	10.700	80.442
1.25	1.125	2.916	5.910	87.611	3.745	6.989	87.430
1.50	1.375	2.554	5.177	92.788	2.966	5.535	92.965
1.75	1.625	1.726	3.498	96.287	1.918	3.579	96.544
2.00	1.875	1.014	2.055	98.342	1.041	1.943	98.487
2.25	2.125	0.512	1.038	99.380	0.505	0.942	99.429
2.50	2.375	0.161	0.326	99.706	0.163	0.304	99.733
2.75	2.625	0.080	0.162	99.868	0.077	0.144	99.877
3.00	2.875	0.029	0.059	99.927	0.025	0.047	99.923
3.25	3.125	0.019	0.039	99.966	0.017	0.032	99.955
3.50	3.375	0.010	0.020	99.986	0.009	0.017	99.972
3.75	3.625	0.007	0.014	100.000	0.005	0.009	99.981
4.00	3.875	0.000	0.000	100.000	0.010	0.019	100.000
5.00	4.500	0.000	0.000	100.000	0.000	0.000	100.000



