

Quality Control Statistical Summary

Onshore Grab Sample: GF-08-BB

Sample Taken By: D. Phelps

Latitude: 29° 50' 46.6" N

Sample Taken On: 11/19/10

Longitude: 85° 24' 53.4" W

County: Gulf

Datum: WGS 84

Statistical Results: Pre-CaCO3					
	Duplicate			Original	
Mean:	1.9234	phi	(0.2636 mm)	1.9661	phi (0.256 mm)
Standard Dev:	0.2931	phi-units	(0.8161 mm)	0.2851	phi-units (0.8207 mm)
Skewness:	0.1090	dimensionless		-0.3848	dimensionless
Kurtosis:	3.5977	dimensionless		5.9678	dimensionless
5th Moment:	3.6300	dimensionless		-18.3897	dimensionless
6th Moment:	53.3061	dimensionless		170.9263	dimensionless
RARD*:	0.1524	dimensionless		0.1450	dimensionless
Median:	1.7883	phi	(0.2895 mm)	1.8449	phi (0.2784 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:	0.07 %
Duplicate:	0.07 %
Total Carbonates	
Original:	0.09 %
Duplicate:	0.08 %

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-08-BB

Total Duplicate Sample Mass: 61.347 grams

Total Original Sample Mass: 47.537 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	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000	0.030	0.063	0.063
0.25	0.125	0.000	0.000	0.000	0.006	0.013	0.076
0.50	0.375	0.011	0.018	0.018	0.047	0.099	0.175
0.75	0.625	0.006	0.010	0.028	0.008	0.017	0.191
1.00	0.875	0.053	0.086	0.114	0.020	0.042	0.234
1.25	1.125	0.341	0.556	0.670	0.109	0.229	0.463
1.50	1.375	3.369	5.492	6.162	1.340	2.819	3.282
1.75	1.625	12.496	20.369	26.531	8.528	17.940	21.221
2.00	1.875	22.037	35.922	62.453	15.550	32.711	53.933
2.25	2.125	15.093	24.603	87.056	15.423	32.444	86.377
2.50	2.375	6.668	10.869	97.925	5.446	11.456	97.833
2.75	2.625	1.143	1.863	99.788	0.942	1.982	99.815
3.00	2.875	0.105	0.171	99.959	0.067	0.141	99.956
3.25	3.125	0.013	0.021	99.980	0.009	0.019	99.975
3.50	3.375	0.005	0.008	99.989	0.008	0.017	99.992
3.75	3.625	0.003	0.005	99.993	0.002	0.004	99.996
4.00	3.875	0.000	0.000	99.993	0.001	0.002	99.998
5.00	4.500	0.004	0.007	100.000	0.001	0.002	100.000



