

Quality Control Statistical Summary

Onshore Grab Sample: FK-49-BB

Sample Taken By: D. Phelps

Latitude: 29° 48' 34.8" N

Sample Taken On: 11/02/10

Longitude: 84° 34' 39.9" W

County: Franklin

Datum: WGS 84

Statistical Results: Pre-CaCO3					
	Duplicate			Original	
Mean:	1.6840	phi	(0.3112 mm)	1.6270	phi (0.3238 mm)
Standard Dev:	0.3189	phi-units	(0.8017 mm)	0.3404	phi-units (0.7898 mm)
Skewness:	-0.4418	dimensionless		-0.6523	dimensionless
Kurtosis:	8.1005	dimensionless		8.3878	dimensionless
5th Moment:	-29.7037	dimensionless		-37.0263	dimensionless
6th Moment:	342.9544	dimensionless		348.4887	dimensionless
RARD*:	0.1894	dimensionless		0.2092	dimensionless
Median:	1.5595	phi	(0.3393 mm)	1.5042	phi (0.3525 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:	0.03 %
Duplicate:	0.03 %
Total Carbonates	
Original:	0.21 %
Duplicate:	0.23 %

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: FK-49-BB

Total Duplicate Sample Mass: 51.663 grams

Total Original Sample Mass: 42.663 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	0.010	0.023	0.023
-1.00	-1.125	0.000	0.000	0.000	0.022	0.052	0.075
-0.75	-0.875	0.053	0.103	0.103	0.000	0.000	0.075
-0.50	-0.625	0.000	0.000	0.103	0.018	0.042	0.117
-0.25	-0.375	0.000	0.000	0.103	0.007	0.016	0.134
0.00	-0.125	0.000	0.000	0.103	0.009	0.021	0.155
0.25	0.125	0.000	0.000	0.103	0.008	0.019	0.173
0.50	0.375	0.037	0.072	0.174	0.079	0.185	0.359
0.75	0.625	0.094	0.182	0.356	0.235	0.551	0.909
1.00	0.875	0.663	1.283	1.639	0.860	2.016	2.925
1.25	1.125	2.147	4.156	5.795	2.839	6.654	9.580
1.50	1.375	10.459	20.245	26.040	9.769	22.898	32.478
1.75	1.625	16.769	32.458	58.498	14.464	33.903	66.381
2.00	1.875	14.873	28.788	87.287	9.537	22.354	88.735
2.25	2.125	4.990	9.659	96.946	3.813	8.937	97.672
2.50	2.375	1.276	2.470	99.415	0.821	1.924	99.597
2.75	2.625	0.230	0.445	99.861	0.129	0.302	99.899
3.00	2.875	0.048	0.093	99.954	0.024	0.056	99.955
3.25	3.125	0.012	0.023	99.977	0.007	0.016	99.972
3.50	3.375	0.006	0.012	99.988	0.006	0.014	99.986
3.75	3.625	0.002	0.004	99.992	0.001	0.002	99.988
4.00	3.875	0.000	0.000	99.992	0.004	0.009	99.998
5.00	4.500	0.004	0.008	100.000	0.001	0.002	100.000



