

**** PHYSICAL ANALYSIS REPORT ****

S004 - Physical Lab/Quality Control

File Number : 40736

** Date of Analysis **

Start Date : 05/02/2008

Completed : 07/14/2008

Submitted By: Home Office

Reviewed by:

Jackie Brackman

Lab Number 0710
 Sample Description QC

Particle Size Analysis

Clay <.002mm	%	0.16
Silt .002mm - .05mm	%	1.37
Sand .05mm - 2.00mm	%	98.38
Gravel > 2.0mm	%	0.09

Org Mat (360 deg C ash)	1.35
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Sand Fractions

Sieve Size # mm	% Retained
10 - 2.0 Fine Gravel	0.09
18 - 1.0 Very Coarse Sand	4.09
35 - .500 Coarse Sand	38.64
60 - .250 Medium Sand	42.97
100 - .150 Fine Sand	10.80
140 - .106 Very Fine Sand	1.49
270 - .053 Very Fine Sand	0.39

Soil Moisture Measurements

Saturated Conductivity in/hr	9.9
30 cm Moist Retention %	13.0

Soil Pore Space

Air Filled Pore Space	%	20.5
Capillary Pore Space	%	20.5
Total Pore Space	%	41.0

Soil Density

Bulk Density	g/cc	1.58
Particle Density	g/cc	2.68

pH	7.7
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VISUAL CLASSIFICATION: Medium sphericity/subangular to subrounded