

DUMPSTER SLUDGE DENSITY TEST:

DATE: 10-16-89

% SOLIDS: _____

DATA:

SLUDGE HANDLING TRIAL #	COMPACTED			UNCOMPACTED		
	VOLUME (ml)	MASS (g)	ρ (lb/ft ³)	VOLUME (ml)	MASS (g)	ρ (lb/ft ³)
1	300.00	284.45	59.194	500	284.62	35.538
2	300.00	280.49	58.370	500	280.81	35.362
3	295.00	270.98	57.347	500	271.09	33.948
4	295.00	274.83	58.161	500	274.95	34.330
5	295.00	281.27	59.524	500	281.29	35.122
TOTAL	1485.00	1392.02	292.596	—	1393.76	173.900
AVG.	297.00	278.40	58.519	500	278.55	34.780

EQUATION: ρ (lb/ft³) = $\frac{M(g)}{V(ml)} \cdot 62.43$ (CONVERSION FACTOR)

$\rho^{1C} = 58.519$ $\rho^{1U} = 34.780$

$\rho^{2C} = 58.520$ $\rho^{2U} = 34.780$

$\rho^C = 58.520$ $\rho^U = 34.780$

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