Summary of Corrosion Testing

Test Project 1

01.A588.0100B

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Sample Identification				WC%	pH[1]	Temp (°C)	Resistivity (Ω-cm)			ORP Redox (mV)	Chlorides[2]		Sulfates[3]	Sulfides Ion Presence[4] (mg/kg)
Boring ID	Sample ID	Depth (ft)					Rec'd	Min	Sat		PPM	µg/kg	PPM (mg/kg)	
		Top	Btm	T-265	T-289	-	T-288			D-1498	T-291 A		T-290 B	Methylene Titration
B-1	S1-S2	0	4	21.6	7.02	21.2	1,450	1,100		242	5	500	2	negative
B-2	S3-S5	6	10	18.9	7.41	21.2	2,280	950		299	8	800	5	negative
B-3	S2-S4	2	6	14.6	6.56	21.3	900	750		190	12	1,200	35	negative
B-4	S1-S2	0	4	8.9	7.12	21.4	12,800	6,500		420	6	600	18	negative
B-5	S2-S4	2	6	22.6	6.22	21.3	5,800	3,200		385	24	2,400	11	negative
B-6	S3-S5	6	10	24.9	5.19	20.9	2,500	950		250	18	1,800	64	negative
B-7	S1-S2	0	4	17.5	8.15	21.2	31,000	18,950		232	12	1,200	22	negative
B-8	S2-S4	4	8	14.9	4.05	22.1	9,050	3,200		305	36	3,600	9	negative
Distilled Water : Soil Ratio					1:1	-	-	-	-	1:1	1:1		3:1	1:1

[1] pH verified with pH paper.

[2] Verified with separate chloride photometer method.

[3] Turbidimetric photometer method. Verified with separate turbidimetric titration method.

[4] Pomeroy methylene blue method (titration). Verified with separate colorimetric method.