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2.500 Desalination and Water Purification
Spring 2009

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HUB TESTING LABORATORY, INC.
Environmental Testing Service

January 8, 2009

Report For: John H. Lienhard V
Massachusetts Institute of Technology

Hub ID: 19989

Project ID: 19989-1: Paulette
19989-2: Fheaton

Date Received: December 16, 2008

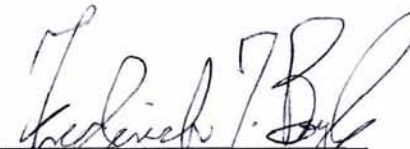
Scope: Two samples of water were received by Hub Testing Laboratory. It was requested that the samples be analyzed for specific parameters as below.

Results:

Parameter	19989-1 Results (mg/L unless noted)	19989-2 Results (mg/L unless noted)	EPA Maximum Contaminant Level (MCL)
Aluminum	0.002	0.02	200 ppb
Antimony	<0.001	<0.001	6 ppb
Arsenic (P)	<0.002	<0.0002	5 ppb
Barium	0.003	0.003	2000 ppb
Beryllium	<0.001	<0.001	4 ppb
Cadmium	<0.0005	<0.0005	5 ppb
Calcium	50.3	47.8	None
Chromium	<0.01	<0.01	100 ppb
Cobalt	<0.05	<0.05	None
Copper (S)	<0.02	<0.02	1300 ppb
Iron (S)	<0.01	<0.01	300 ppb
Lead (P)	<0.001	<0.001	15 ppb
Magnesium	64.8	69.4	None
Manganese (S)	<0.01	<0.01	50 ppb

Parameter	19989-1 Results (mg/L unless noted)	19989-2 Results (mg/L unless noted)	EPA Maximum Contaminant Level (MCL)
Mercury	<0.0002	<0.0002	2 ppb
Nickel	<0.01	<0.01	None
Potassium	<0.3	0.02	None
Selenium	<0.001	<0.001	50 ppb
Silicon (as SiO ₂)	63.8	63.1	None
Silver	<0.001	<0.001	100 ppb
Sodium	181	202.0	None
Alkalinity (S)	730	640	None
Bromide	<0.05	<0.05	None
Chloride (S)	115	117	250 ppm
Color (S)	0 CPU	0 CPU	0-15 Color Units
Conductivity	1440 umhos/cm	1538 umhos/cm	None
Fluoride (S)	0.4	0.3	4 ppm
Hardness	392	405	0-75 soft, 76-150 normal, 150+ hard
Nitrates (as N) (P)	0.09	7.2	10 ppm
Nitrites (as N) (P)	6.8	1.4	1 ppm
Phosphate	0.21	0.21	None
pH (S)	7.2	7.6	6.5 – 8.5 pH units
Odor (S)	0 TON	0 TON	0-3 TON
Sulphates (S)	77.6	84.9	250 ppm
Turbidity	0.63 NTU	1.6 NTU	0-5 NTU
Total Dissolved Solids	838	898	500 ppm
Carbonate	<1	<1	None
Bicarbonate	708	732	None

Lab Certification # MA061


 Susan Boyle, Vice-President
 Hub Testing Laboratory