

Client: **Omnisphere Inc.**
 Attention: **Greg Misumi**
 Project:
 P.O.:
 Sample Type: **Water**
 Date Received: **Nov 02/05**
 Date Analysed: **Nov 02-09/05**
 Date Reported: **Nov 10/05**



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ENTECH

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CERTIFICATE OF ANALYSIS FOR QUICK-SCREEN: WATER PACKAGE (DISSOLVED METALS) Data Pertain To Specific Sample(s) Tested

PARAMETER	UNITS	Method Detection Limit (µg/mL)	CONTROL SAMPLE			SAMPLE DATA			
			Expected	Found	Recovery	Blank	59187 Jupiter "Melody" "8"	59187 Jupiter "Melody" "8" Duplicate	
			Conc. (µg/mL)	Conc. (µg/mL)	%				
Sulphate	µg/mL	0.05	10.10	9.97	99	<0.05	24.68	24.55	
Chloride	µg/mL	0.02	15.50	15.52	100	<0.02	23	23	
Nitrate	µg/mL	0.02	78.36	76.58	98	<0.02	1.25	1.27	
Nitrite	µg/mL	0.02	3.48	3.31	95	<0.02	<0.02	<0.02	
Nitrate(as N)	µg/mL	0.005	17.69	17.29	98	<0.005	0.28	0.29	
Nitrite(as N)	µg/mL	0.006	1.05	1.00	95	<0.006	<0.006	<0.006	
Ortho Phosphate	µg/mL	0.05	12.11	12.21	101	<0.05	<0.05	<0.05	
Fluoride	µg/mL	0.02	4.40	4.40	100	<0.02	0.59	0.59	
Carbonate	µg/mL	1	-	-	-	<1	9	10	
Bicarbonate	µg/mL	1	-	-	-	<1	94	93	
Total Anions	meq/L	1	-	-	-	<1	3	3	
Calcium	µg/mL	0.02	22.10	23.50	106	<0.02	41	41	
Magnesium	µg/mL	0.01	4.56	4.40	96	<0.01	9.23	9.24	
Sodium	µg/mL	0.025	21.60	21.97	102	<0.025	14	14	
Potassium	µg/mL	0.1	12.80	13.04	102	<0.1	2.07	2.08	
Aluminum	µg/mL	0.05	0.92	0.84	91	<0.05	<0.05	<0.05	
Lead	µg/mL	0.004	0.63	0.69	110	<0.004	<0.004	<0.004	
Iron	µg/mL	0.005	1.40	1.52	109	<0.005	0.01	0.01	
Manganese	µg/mL	0.001	0.34	0.34	100	<0.001	0.002	0.001	
Zinc	µg/mL	0.002	5.01	5.313	106	<0.002	0.003	0.003	
Total Cations	meq/L	1	-	-	-	<1	3	3	
Ion Balance	% Difference	-	-	-	-	-	7	6	
Hardness (CaCO3)	µg/mL	1	-	-	-	<1	140	140	
pH	-	-	7.40	7.41	100	-	9.03	9.04	
Turbidity	NTU	0.25	5.49	5.37	98	<0.25	<0.25	<0.25	
Alkalinity (CaCO3)	µg/mL	2	25	25	100	<2	104	104	
Colour	TCU	1	-	-	-	<1	<1	<1	
Total Dissolved Solids	µg/mL	3	314	308	98	<3	208	218	
Langelier Index	-	-	-	-	-	-	0.83	0.84	
Conductivity	µmhos/cm	1	147	147	100	<1	299	292	
Ammonia (as N)	µg/mL	0.007	1.40	1.37	98	<0.007	0.23	0.25	

Note: Not drinking water as per client

Sample Disposal: 30 Days from the Reporting Date.

Analyst(s): *SJ, SS, PS, MR, AP, EG, PI*

Method:

pH - Electrometric (EPA 150.1)
 Metals - ICP-AES (EPA 3005/200.7/200.15)
 Anions - Ion Chromatography (EPA 300.0)
 Alkalinity - Titrimetric (EPA 310.1)
 Electrical Conductivity - Conductivity Meter (EPA 120.1)

Color - Colorimetric (EPA 110.2)
 Turbidity - Nephelometric (EPA 180.1)
 TDS - Gravimetric (EPA 160.1)
 Ammonia-N - Auto-Colorimetry (EPA 350.1)