COL•TECH EnviroLabs

NDEP PROFILES I & II

3rd QUARTER 1999

FOR

ARIMETCO, Inc.

ATTN: Mr. Joe Sawyer

LABORATORY NUMBER: N266-02
INVOICE NUMBER: N0448

DATE: October 27, 1999

COL•TECH EnviroLabs
855 Mill Street, Suite 1 B Reno, Nevada 89502 PH 800 774 3636, 775 331 3600, FAX 775 323 8253

Company Name: ARIMETCO INC.
Laboratory Number: N263-03
Date: October 22, 1999

Calendar Year: 1999

NDEP Profile I I

Sample Date: 9-20-99 Sample Location: PLS VLT	*Standards (mg/l)	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Alkalinity (Total $CaCO_3$)	-	<0.5	<0.5	<0.5	
Aluminum	0.05 - 0.2	12210	8187	7850	
Antimony	0.006	0.080	0.229	<0.085	
Arsenic	0.05	0.308	0.362	0.164	
Barium	2.0	<0.500	<0.500	<0.500	
Beryllium	0.004	0.610	0.454	0.347	
Bismuth	-	<0.500	<0.050	<0.500	
Boron	-	9.950	5.009	2.984	
Cadmium	0.005	0.132	0.107	0.096	
Calcium	-	542	481	385	
Chloride	250 - 400	200	<500	130	
Chromium	0.1	3.408	2.429	2.865	
Cobalt	-	16.88	17.25	18.31	
Copper	1.3	370	247	628	
Fluoride	2 - 4	440	6.1	9.4	
Gallium	-	<0.250	<0.250	<0.250	
Iron	0.3 - 0.6	788	701	625	
Lead	0.015	<0.070	<0.070	<0.070	
Lithium	-	6.421	4.835	6.195	
Magnesium	125 - 150	7794	6457	7279	
Manganese	0.05 - 0.10	192	170	218	
Mercury	0.002	378	<0.010	<0.010	
Molybdenum	-	<0.820	<0.250	<0.250	
Nickel	0.1	14.62	10.68	11.73	
Nitrate (NO_3 + NO_2 as N)	10	30.2	<20	<20	
**pH (± 0.1 units)	6.5 - 8.5	2.70	2.51	2.79	
Phosphorous	-	<0.250	<0.250	<0.250	
Potassium	-	139	111	111	
Scandium	-	<1.00	<1.00	<1.00	
Selenium	0.05	0.224	<0.050	0.150	
Silver	0.10	<0.250	<0.250	<0.250	
Sodium	-	973	759	880	
Strontium	-	13.0	12.5	12.5	
Sulfate	250 - 500	91408	59420	75330	
Thallium	0.002	<0.020	0.021	0.011	
Tin	-	<1.00	<1.00	<1.00	
Titanium	-	<1.00	<1.00	<1.00	
Total Dissolved Solids	500 - 1000	101450	95200	83520	
Vanadium	-	<1.00	<1.00	<1.00	
W.A.D. Cyanide	0.2	N/A	N/A	N/A	
Zinc	5.0	19.30	18.52	15.49	

* Standards are for reference purposes only

**Reported in S.I. units.

The matrix of this sample results in higher than usual detection limits.

Wayne M. Colwell
Director of Laboratory Services

COL•TECH EnviroLabs, Inc.
1855 Deming Way, Sparks, Nevada 89431 PH 800 774 3636, 702 331 3600, FAX 702 331 7964

Company Name: ARIMETCO INC.
Laboratory Number: N263-03
Date: October 22, 1999

Calendar Year: 1999

NDEP Profile II

Sample Date: 9-20-99 Sample Location: PLS-SLOT	*Standards (mg/l)	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Alkalinity (Total $CaCO_3$)	-	<0.5	<0.5	<0.5	
Aluminum	0.05 - 0.2	12340	8199	8279	
Antimony	0.006	0.074	0.225	<0.006	
Arsenic	0.05	0.334	0.203	0.287	
Barium	2.0	<0.500	<0.500	<0.500	
Beryllium	0.004	0.510	0.449	0.396	
Bismuth	-	<0.500	<0.050	<0.050	
Boron	-	10.10	4.927	3.762	
Cadmium	0.005	0.128	0.111	0.086	
Calcium	-	554	475	379	
Chloride	250 - 400	200	<500	554	
Chromium	0.1	2.824	2.410	2.857	
Cobalt	-	16.85	17.11	16.96	
Copper	1.3	326	225	246	
Fluoride	2 - 4	449	2.6	10.0	
Gallium	-	<0.250	<0.250	<0.250	
Iron	0.3 - 0.6	860	715	862	
Lead	0.015	<0.070	<0.070	<0.070	
Lithium	-	6.106	4.773	5.678	
Magnesium	125 - 150	7625	6382	7671	
Manganese	0.05 - 0.10	191	170	236	
Mercury	0.002	<0.020	<0.020	<0.020	
Molybdenum	-	<0.250	<0.250	<0.250	
Nickel	0.1	11.11	10.73	11.7	
Nitrate (NO_3 + NO_2 as N)	10	36.3	<20	<20	
**pH (± 0.1 units)	6.5 - 8.5	2.71	2.47	2.64	
Phosphorous	-	<0.250	171	103	
Potassium	-	115	108	106	
Scandium	-	<1.00	<1.00	<1.00	
Selenium	0.05	0.214	0.133	0.117	
Silver	0.10	<0.250	<0.250	<0.250	
Sodium	-	854	757	880	
Strontium	-	12.5	12.1	12.8	
Sulfate	250 - 500	93602	75550	70870	
Thallium	0.002	<0.020	<0.020	<0.020	
Tin	-	<1.00	<1.00	<1.00	
Titanium	-	<1.00	<1.00	<1.00	
Total Dissolved Solids	500 - 1000	103435	101400	74706	
Vanadium	-	<1.00	<1.00	<0.100	
W.A.D. Cyanide	0.2	N/A	N/A	N/A	
Zinc	5.0	18.85	18.06	14.95	

* Standards are for reference purposes only

** Reported in S.U. units.

The matrix of this sample results in higher than usual detection limits.

Wayne M. Colwell
Director of Laboratory Services

COL•TECH EnviroLabs, Inc.
1855 Deming Way, Sparks, Nevada 89431 PH 800 774 3656, 702 331 3600 FAX 702 331 7064

Company Name: ARIMETCO INC.
Laboratory Number: N263-03
Date: October 22, 1999

Calendar Year: 1999

NDEP PROFILE II

Sample Date: 5-20-99 Sample Location: Plant Feed	*Standards (mg/l)	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Alkalinity (Total $CaCO_3$)	-	<0.5	<0.5	<0.5	
Aluminum	0.05 - 0.2	12880	6183	7973	
Antimony	0.006	0.070	0.204	<0.005	
Arsenic	0.05	0.308	0.217	0.225	
Barium	2.0	<0.500	<0.500	<0.500	
Beryllium	0.004	0.508	0.452	0.392	
Bismuth	-	<0.500	<0.500	<0.500	
Boron	-	10.18	5.008	3.186	
Cadmium	0.005	0.128	0.106	0.089	
Calcium	-	564	469	375	
Chloride	250 - 400	180	<500	230	
Chromium	0.1	2.573	2.434	2.068	
Cobalt	-	17.39	17.24	18.27	
Copper	1.3	358	244	305	
Fluoride	2 - 4	447	5.3	28	
Gallium	-	<0.250	<0.250	<0.250	
Iron	0.3 - 0.6	834	687	795	
Lead	0.015	<0.070	<0.070	<0.089	
Lithium	-	6.277	4.756	6.196	
Magnesium	125 - 150	7502	6372	7416	
Manganese	0.05 - 0.10	195	170	222	
Mercury	0.002	<0.020	<0.020	<0.020	
Molybdenum	-	<0.250	<0.250	<0.250	
Nickel	0.1	11.40	10.87	11.5	
Nitrate (NO_3 + NO_2 as N)	10	31.9	<20	31.5	
**pH (± 0.1 units)	6.5 - 8.5	2.74	2.49	2.70	
Phosphorous	-	<0.250	159	76.3	
Potassium	-	122	114	107	
Scandium	-	<1.00	<1.00	<1.00	
Selenium	0.05	0.198	<0.050	0.150	
Silver	0.10	<0.258	<0.250	<0.250	
Sodium	-	850	753	868	
Strontium	-	13.2	12.6	8.47	
Sulfate	250 - 500	92861	89190	89610	
Thallium	0.002	<0.020	0.021	0.006	
Tin	-	<1.00	<1.00	<1.00	
Titanium	-	<1.00	<0.100	0.358	
Total Dissolved Solids	500 - 1000	102530	• 101000	101100	
Vanadium	-	<1.00	<1.00	<0.100	
W.A.D. Cyanide	0.2	N/A	N/A	N/A	
Zinc	5.0	19.71	18.39	14.75	

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The matrix of this sample results in higher than usual detection limits.

**Reported in S.U. units.

• TDS result corrected for posting error in 2nd quarter originally posted as 10100.

Wayne M. Colwell
Director of Laboratory Services