Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods

Station ID: SC-068 **Date / Time Sampled:** 06/23/11 16:00 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-C **Matrix:** Surface Water **Lab Number:** C110616-15 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
200.7	**Aluminum**	**146**		ug/L	20.0	1	08/01/2011	SW	1107126
200.7	**Calcium**	**18000**		ug/L	100	1	08/01/2011	SW	1107126
200.7	Iron	< 250	U	ug/L	100	1	08/01/2011	SW	1107126
200.7	**Magnesium**	**1680**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Potassium**	**470**	J	ug/L	250	1	08/01/2011	SW	1107126
200.7	**Sodium**	**900**		ug/L	250	1	08/01/2011	SW	1107126
200.8	Antimony	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Arsenic	< 10.0	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Barium**	**79.4**		ug/L	25.0	5	08/02/2011	SV	1107126
200.8	Beryllium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Cadmium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Chromium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Cobalt	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Copper	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Lead**	**0.742**	J	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Manganese**	**2.11**	J	ug/L	1.00	5	08/02/2011	SV	1107126
200.8	Molybdenum	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Nickel	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Selenium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Silver	< 3.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Thallium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Vanadium	< 10.0	U	ug/L	5.00	5	08/02/2011	SV	1107126
200.8	Zinc	< 25.0	U	ug/L	10.0	5	08/02/2011	SV	1107126

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods

Station ID: SC-1131 **Date / Time Sampled:** 06/23/11 16:41 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-C **Matrix:** Surface Water **Lab Number:** C110616-18 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
200.7	**Aluminum**	**191**		ug/L	20.0	1	08/01/2011	SW	1107126
200.7	**Calcium**	**19800**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Iron**	**193**	J	ug/L	100	1	08/01/2011	SW	1107126
200.7	**Magnesium**	**1870**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Potassium**	**483**	J	ug/L	250	1	08/01/2011	SW	1107126
200.7	**Sodium**	**878**		ug/L	250	1	08/01/2011	SW	1107126
200.8	Antimony	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Arsenic	< 10.0	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Barium**	**74.6**		ug/L	25.0	5	08/02/2011	SV	1107126
200.8	Beryllium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Cadmium**	**0.685**	J	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Chromium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Cobalt	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Copper**	**4.44**	J	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Lead**	**2.77**		ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Manganese**	**18.5**		ug/L	1.00	5	08/02/2011	SV	1107126
200.8	Molybdenum	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Nickel	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Selenium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Silver	< 3.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Thallium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Vanadium	< 10.0	U	ug/L	5.00	5	08/02/2011	SV	1107126
200.8	**Zinc**	**92.8**		ug/L	10.0	5	08/02/2011	SV	1107126

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods

Station ID: SC-198 **Date / Time Sampled:** 06/23/11 16:00 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-C **Matrix:** Surface Water **Lab Number:** C110616-21 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
200.7	**Aluminum**	**136**		ug/L	20.0	1	08/01/2011	SW	1107126
200.7	**Calcium**	**18200**		ug/L	100	1	08/01/2011	SW	1107126
200.7	Iron	< 250	U	ug/L	100	1	08/01/2011	SW	1107126
200.7	**Magnesium**	**1700**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Potassium**	**461**	J	ug/L	250	1	08/01/2011	SW	1107126
200.7	**Sodium**	**898**		ug/L	250	1	08/01/2011	SW	1107126
200.8	Antimony	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Arsenic	< 10.0	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Barium**	**78.8**		ug/L	25.0	5	08/02/2011	SV	1107126
200.8	Beryllium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Cadmium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Chromium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Cobalt	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Copper	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Lead**	**0.890**	J	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Manganese**	**2.20**	J	ug/L	1.00	5	08/02/2011	SV	1107126
200.8	Molybdenum	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Nickel	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Selenium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Silver	< 3.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Thallium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Vanadium	< 10.0	U	ug/L	5.00	5	08/02/2011	SV	1107126
200.8	**Zinc**	**11.8**	J	ug/L	10.0	5	08/02/2011	SV	1107126

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods

Station ID: SC-351 **Date / Time Sampled:** 06/23/11 16:02 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-C **Matrix:** Surface Water **Lab Number:** C110616-24 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
200.7	**Aluminum**	**136**		ug/L	20.0	1	08/01/2011	SW	1107126
200.7	**Calcium**	**18600**		ug/L	100	1	08/01/2011	SW	1107126
200.7	Iron	< 250	U	ug/L	100	1	08/01/2011	SW	1107126
200.7	**Magnesium**	**1760**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Potassium**	**472**	J	ug/L	250	1	08/01/2011	SW	1107126
200.7	**Sodium**	**927**		ug/L	250	1	08/01/2011	SW	1107126
200.8	Antimony	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Arsenic	< 10.0	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Barium**	**78.9**		ug/L	25.0	5	08/02/2011	SV	1107126
200.8	Beryllium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Cadmium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Chromium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Cobalt	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Copper	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Lead**	**1.48**		ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Manganese**	**4.55**		ug/L	1.00	5	08/02/2011	SV	1107126
200.8	Molybdenum	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Nickel	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Selenium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Silver	< 3.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Thallium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Vanadium	< 10.0	U	ug/L	5.00	5	08/02/2011	SV	1107126
200.8	**Zinc**	**44.4**		ug/L	10.0	5	08/02/2011	SV	1107126

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods

Station ID: SC-404 **Date / Time Sampled:** 06/24/11 11:40 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-C **Matrix:** Surface Water **Lab Number:** C110616-27 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
200.7	**Aluminum**	**145**		ug/L	20.0	1	08/01/2011	SW	1107126
200.7	**Calcium**	**19900**		ug/L	100	1	08/01/2011	SW	1107126
200.7	Iron	< 250	U	ug/L	100	1	08/01/2011	SW	1107126
200.7	**Magnesium**	**1890**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Potassium**	**437**	J	ug/L	250	1	08/01/2011	SW	1107126
200.7	**Sodium**	**2050**		ug/L	250	1	08/01/2011	SW	1107126
200.8	Antimony	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Arsenic	< 10.0	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Barium**	**82.1**		ug/L	25.0	5	08/02/2011	SV	1107126
200.8	Beryllium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Cadmium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Chromium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Cobalt	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Copper	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Lead**	**2.13**		ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Manganese**	**5.57**		ug/L	1.00	5	08/02/2011	SV	1107126
200.8	Molybdenum	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Nickel	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Selenium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Silver	< 3.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Thallium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Vanadium	< 10.0	U	ug/L	5.00	5	08/02/2011	SV	1107126
200.8	**Zinc**	**55.7**		ug/L	10.0	5	08/02/2011	SV	1107126

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods

Station ID: SC-4040 **Date / Time Sampled:** 06/24/11 11:50 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-C **Matrix:** Surface Water **Lab Number:** C110616-30 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
200.7	**Aluminum**	**156**		ug/L	20.0	1	08/01/2011	SW	1107126
200.7	**Calcium**	**19900**		ug/L	100	1	08/01/2011	SW	1107126
200.7	Iron	< 250	U	ug/L	100	1	08/01/2011	SW	1107126
200.7	**Magnesium**	**1900**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Potassium**	**445**	J	ug/L	250	1	08/01/2011	SW	1107126
200.7	**Sodium**	**12900**		ug/L	250	1	08/01/2011	SW	1107126
200.8	Antimony	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Arsenic	< 10.0	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Barium**	**82.8**		ug/L	25.0	5	08/02/2011	SV	1107126
200.8	Beryllium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Cadmium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Chromium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Cobalt	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Copper	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Lead**	**2.13**		ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Manganese**	**6.54**		ug/L	1.00	5	08/02/2011	SV	1107126
200.8	Molybdenum	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Nickel	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Selenium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Silver	< 3.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Thallium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Vanadium	< 10.0	U	ug/L	5.00	5	08/02/2011	SV	1107126
200.8	**Zinc**	**58.9**		ug/L	10.0	5	08/02/2011	SV	1107126

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods

Station ID: SC-493 **Date / Time Sampled:** 06/23/11 16:10 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-C **Matrix:** Surface Water **Lab Number:** C110616-33 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
200.7	**Aluminum**	**176**		ug/L	20.0	1	08/01/2011	SW	1107126
200.7	**Calcium**	**18300**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Iron**	**163**	J	ug/L	100	1	08/01/2011	SW	1107126
200.7	**Magnesium**	**1750**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Potassium**	**477**	J	ug/L	250	1	08/01/2011	SW	1107126
200.7	**Sodium**	**893**		ug/L	250	1	08/01/2011	SW	1107126
200.8	Antimony	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Arsenic	< 10.0	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Barium**	**84.3**		ug/L	25.0	5	08/02/2011	SV	1107126
200.8	Beryllium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Cadmium**	**0.574**	J	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Chromium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Cobalt	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Copper**	**3.18**	J	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Lead**	**2.18**		ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Manganese**	**11.6**		ug/L	1.00	5	08/02/2011	SV	1107126
200.8	Molybdenum	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Nickel	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Selenium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Silver	< 3.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Thallium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Vanadium	< 10.0	U	ug/L	5.00	5	08/02/2011	SV	1107126
200.8	**Zinc**	**60.9**		ug/L	10.0	5	08/02/2011	SV	1107126

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods

Station ID: SC-699 **Date / Time Sampled:** 06/23/11 16:17 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-C **Matrix:** Surface Water **Lab Number:** C110616-36 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
200.7	**Aluminum**	**182**		ug/L	20.0	1	08/01/2011	SW	1107126
200.7	**Calcium**	**18400**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Iron**	**181**	J	ug/L	100	1	08/01/2011	SW	1107126
200.7	**Magnesium**	**1770**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Potassium**	**468**	J	ug/L	250	1	08/01/2011	SW	1107126
200.7	**Sodium**	**905**		ug/L	250	1	08/01/2011	SW	1107126
200.8	Antimony	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Arsenic	< 10.0	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Barium**	**78.6**		ug/L	25.0	5	08/02/2011	SV	1107126
200.8	Beryllium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Cadmium**	**0.677**	J	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Chromium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Cobalt	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Copper**	**3.36**	J	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Lead**	**2.15**		ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Manganese**	**13.4**		ug/L	1.00	5	08/02/2011	SV	1107126
200.8	Molybdenum	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Nickel	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Selenium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Silver	< 3.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Thallium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Vanadium	< 10.0	U	ug/L	5.00	5	08/02/2011	SV	1107126
200.8	**Zinc**	**67.2**		ug/L	10.0	5	08/02/2011	SV	1107126

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods

Station ID: SC-895 **Date / Time Sampled:** 06/23/11 16:56 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-C **Matrix:** Surface Water **Lab Number:** C110616-39 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
200.7	**Aluminum**	**184**		ug/L	20.0	1	08/01/2011	SW	1107126
200.7	**Calcium**	**19100**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Iron**	**182**	J	ug/L	100	1	08/01/2011	SW	1107126
200.7	**Magnesium**	**1760**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Potassium**	**481**	J	ug/L	250	1	08/01/2011	SW	1107126
200.7	**Sodium**	**847**		ug/L	250	1	08/01/2011	SW	1107126
200.8	Antimony	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Arsenic	< 10.0	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Barium**	**75.2**		ug/L	25.0	5	08/02/2011	SV	1107126
200.8	Beryllium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Cadmium**	**0.694**	J	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Chromium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Cobalt	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Copper**	**3.08**	J	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Lead**	**2.47**		ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Manganese**	**12.4**		ug/L	1.00	5	08/02/2011	SV	1107126
200.8	Molybdenum	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Nickel	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Selenium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Silver	< 3.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Thallium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Vanadium	< 10.0	U	ug/L	5.00	5	08/02/2011	SV	1107126
200.8	**Zinc**	**85.9**		ug/L	10.0	5	08/02/2011	SV	1107126

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods

Station ID: SC-B **Date / Time Sampled:** 06/23/11 16:15 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-C **Matrix:** Surface Water **Lab Number:** C110616-42 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
200.7	Aluminum	< 50.0	U	ug/L	20.0	1	08/01/2011	SW	1107126
200.7	Calcium	< 250	U	ug/L	100	1	08/01/2011	SW	1107126
200.7	Iron	< 250	U	ug/L	100	1	08/01/2011	SW	1107126
200.7	Magnesium	< 250	U	ug/L	100	1	08/01/2011	SW	1107126
200.7	Potassium	< 1000	U	ug/L	250	1	08/01/2011	SW	1107126
200.7	Sodium	< 500	U	ug/L	250	1	08/01/2011	SW	1107126
200.8	Antimony	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Arsenic	< 10.0	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Barium	< 50.0	U	ug/L	25.0	5	08/02/2011	SV	1107126
200.8	Beryllium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Cadmium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Chromium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Cobalt	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Copper	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Lead**	**0.545**	J	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Manganese	< 2.50	U	ug/L	1.00	5	08/02/2011	SV	1107126
200.8	Molybdenum	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Nickel	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Selenium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Silver	< 3.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Thallium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Vanadium	< 10.0	U	ug/L	5.00	5	08/02/2011	SV	1107126
200.8	Zinc	< 25.0	U	ug/L	10.0	5	08/02/2011	SV	1107126

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods

Station ID: SCEF **Date / Time Sampled:** 06/23/11 10:45 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-C **Matrix:** Surface Water **Lab Number:** C110616-45 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
200.7	**Aluminum**	**60.0**		ug/L	20.0	1	08/01/2011	SW	1107126
200.7	**Calcium**	**25900**		ug/L	100	1	08/01/2011	SW	1107126
200.7	Iron	< 250	U	ug/L	100	1	08/01/2011	SW	1107126
200.7	**Magnesium**	**1370**		ug/L	100	1	08/01/2011	SW	1107126
200.7	**Potassium**	**498**	J	ug/L	250	1	08/01/2011	SW	1107126
200.7	**Sodium**	**552**		ug/L	250	1	08/01/2011	SW	1107126
200.8	Antimony	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Arsenic	< 10.0	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Barium**	**51.2**		ug/L	25.0	5	08/02/2011	SV	1107126
200.8	Beryllium	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Cadmium**	**1.29**		ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Chromium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Cobalt	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Copper**	**3.03**	J	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	**Lead**	**2.26**		ug/L	0.500	5	08/02/2011	SV	1107126
200.8	**Manganese**	**3.59**		ug/L	1.00	5	08/02/2011	SV	1107126
200.8	Molybdenum	< 1.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Nickel	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Selenium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Silver	< 3.00	U	ug/L	0.500	5	08/02/2011	SV	1107126
200.8	Thallium	< 5.00	U	ug/L	2.50	5	08/02/2011	SV	1107126
200.8	Vanadium	< 10.0	U	ug/L	5.00	5	08/02/2011	SV	1107126
200.8	**Zinc**	**91.8**		ug/L	10.0	5	08/02/2011	SV	1107126

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods

Station ID: SVS-12 **Date / Time Sampled:** 06/23/11 10:30 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-C **Matrix:** Surface Water **Lab Number:** C110616-48 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
200.7	Aluminum	< 500	U	ug/L	200	10	08/01/2011	SW	1107126
200.7	**Calcium**	**360000**		ug/L	1000	10	08/01/2011	SW	1107126
200.7	Iron	< 2500	U	ug/L	1000	10	08/01/2011	SW	1107126
200.7	**Magnesium**	**66200**		ug/L	1000	10	08/01/2011	SW	1107126
200.7	**Potassium**	**3740**	J	ug/L	2500	10	08/01/2011	SW	1107126
200.7	**Sodium**	**3010**	J	ug/L	2500	10	08/01/2011	SW	1107126
200.8	Antimony	< 10.0	U	ug/L	5.00	10	08/02/2011	SV	1107126
200.8	Arsenic	< 20.0	U	ug/L	5.00	10	08/02/2011	SV	1107126
200.8	Barium	< 100	U	ug/L	50.0	10	08/02/2011	SV	1107126
200.8	Beryllium	< 2.00	U	ug/L	1.00	10	08/02/2011	SV	1107126
200.8	Cadmium	< 2.00	U	ug/L	1.00	10	08/02/2011	SV	1107126
200.8	Chromium	< 10.0	U	ug/L	5.00	10	08/02/2011	SV	1107126
200.8	Cobalt	< 2.00	U	ug/L	1.00	10	08/02/2011	SV	1107126
200.8	Copper	< 10.0	U	ug/L	5.00	10	08/02/2011	SV	1107126
200.8	Lead	< 2.00	U	ug/L	1.00	10	08/02/2011	SV	1107126
200.8	**Manganese**	**5020**		ug/L	2.00	10	08/02/2011	SV	1107126
200.8	Molybdenum	< 2.00	U	ug/L	1.00	10	08/02/2011	SV	1107126
200.8	Nickel	< 10.0	U	ug/L	5.00	10	08/02/2011	SV	1107126
200.8	Selenium	< 10.0	U	ug/L	5.00	10	08/02/2011	SV	1107126
200.8	Silver	< 6.00	U	ug/L	1.00	10	08/02/2011	SV	1107126
200.8	Thallium	< 10.0	U	ug/L	5.00	10	08/02/2011	SV	1107126
200.8	Vanadium	< 20.0	U	ug/L	10.0	10	08/02/2011	SV	1107126
200.8	**Zinc**	**3780**		ug/L	20.0	10	08/02/2011	SV	1107126

"J" Qualifier indicates an estimated value

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: Argentine Shaft Tunnel **Date / Time Sampled:** 06/23/11 10:30 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-02 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	Bromide	< 0.5	U	mg/L	0.2	1	07/15/2011	NP	1107063
EPA 300.0	**Chloride**	**1.1**	J	mg/L	1.0	1	07/15/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**38.9**		mg/L	2.0	1	07/15/2011	NP	1107063

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: Argentine Tunnel Main **Date / Time Sampled:** 06/23/11 13:50 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-05 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	Bromide	< 50.0	U	mg/L	20.0	100	07/18/2011	NP	1107063
EPA 300.0	Chloride	< 200	U	mg/L	100	100	07/18/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**6180**		mg/L	200	100	07/18/2011	NP	1107063

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: DR-3 **Date / Time Sampled:** 06/23/11 14:00 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-08 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	Bromide	< 5.0	U	mg/L	2.0	10	07/18/2011	NP	1107063
EPA 300.0	Chloride	< 20.0	U	mg/L	10.0	10	07/18/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**618**		mg/L	20.0	10	07/18/2011	NP	1107063

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: DR-7 **Date / Time Sampled:** 06/23/11 14:20 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-11 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	Bromide	< 0.5	U	mg/L	0.2	1	07/15/2011	NP	1107063
EPA 300.0	Chloride	< 2.0	U	mg/L	1.0	1	07/15/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**29.6**		mg/L	2.0	1	07/15/2011	NP	1107063

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: SC-068 **Date / Time Sampled:** 06/23/11 16:00 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-14 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	**Bromide**	**0.6**		mg/L	0.2	1	07/15/2011	NP	1107063
EPA 300.0	Chloride	< 2.0	U	mg/L	1.0	1	07/15/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**3.3**	J	mg/L	2.0	1	07/15/2011	NP	1107063

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: SC-1131 **Date / Time Sampled:** 06/23/11 16:41 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-17 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	**Bromide**	**0.5**		mg/L	0.2	1	07/15/2011	NP	1107063
EPA 300.0	Chloride	< 2.0	U	mg/L	1.0	1	07/15/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**7.1**		mg/L	2.0	1	07/15/2011	NP	1107063

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: SC-198 **Date / Time Sampled:** 06/23/11 16:00 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-20 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	**Bromide**	**0.6**		mg/L	0.2	1	07/15/2011	NP	1107063
EPA 300.0	Chloride	< 2.0	U	mg/L	1.0	1	07/15/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**3.8**	J	mg/L	2.0	1	07/15/2011	NP	1107063

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: SC-351 **Date / Time Sampled:** 06/23/11 16:02 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-23 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	**Bromide**	**0.6**		mg/L	0.2	1	07/15/2011	NP	1107063
EPA 300.0	Chloride	< 2.0	U	mg/L	1.0	1	07/15/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**3.9**	J	mg/L	2.0	1	07/15/2011	NP	1107063

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: SC-404 **Date / Time Sampled:** 06/24/11 11:40 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-26 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	Bromide	< 0.5	U	mg/L	0.2	1	07/15/2011	NP	1107063
EPA 300.0	**Chloride**	**2.9**		mg/L	1.0	1	07/15/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**4.3**	J	mg/L	2.0	1	07/15/2011	NP	1107063

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: SC-4040 **Date / Time Sampled:** 06/24/11 11:50 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-29 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	Bromide	< 0.5	U	mg/L	0.2	1	07/15/2011	NP	1107063
EPA 300.0	**Chloride**	**14.6**		mg/L	1.0	1	07/15/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**4.3**	J	mg/L	2.0	1	07/15/2011	NP	1107063

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: SC-493 **Date / Time Sampled:** 06/23/11 16:10 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-32 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	**Bromide**	**0.6**		mg/L	0.2	1	07/15/2011	NP	1107063
EPA 300.0	Chloride	< 2.0	U	mg/L	1.0	1	07/15/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**4.3**	J	mg/L	2.0	1	07/15/2011	NP	1107063

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: SC-699 **Date / Time Sampled:** 06/23/11 16:17 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-35 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	**Bromide**	**0.6**		mg/L	0.2	1	07/15/2011	NP	1107063
EPA 300.0	Chloride	< 2.0	U	mg/L	1.0	1	07/15/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**4.5**	J	mg/L	2.0	1	07/15/2011	NP	1107063

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: SC-895 **Date / Time Sampled:** 06/23/11 16:56 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-38 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	**Bromide**	**0.5**		mg/L	0.2	1	07/15/2011	NP	1107063
EPA 300.0	Chloride	< 2.0	U	mg/L	1.0	1	07/15/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**5.8**		mg/L	2.0	1	07/15/2011	NP	1107063

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: SC-B **Date / Time Sampled:** 06/23/11 16:15 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-41 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	Bromide	< 0.5	U	mg/L	0.2	1	07/15/2011	NP	1107063
EPA 300.0	Chloride	< 2.0	U	mg/L	1.0	1	07/15/2011	NP	1107063
EPA 300.0	Sulfate as SO4	< 5.0	U	mg/L	2.0	1	07/15/2011	NP	1107063

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: SCEF **Date / Time Sampled:** 06/23/11 10:45 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-44 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	Bromide	< 0.5	U	mg/L	0.2	1	07/15/2011	NP	1107063
EPA 300.0	Chloride	< 2.0	U	mg/L	1.0	1	07/15/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**10.4**		mg/L	2.0	1	07/15/2011	NP	1107063

Project Name: **Rico-Argentine_Surface Waters_JUN 2011_D264** **Certificate of Analysis**

TDF #: **DG-264**

Classical Chemistry by EPA/ASTM/APHA Methods

Station ID: SVS-12 **Date / Time Sampled:** 06/23/11 10:30 **Workorder:** C110616
EPA Tag No.: No Tag Prefix-B **Matrix:** Surface Water **Lab Number:** C110616-47 A

Method	Parameter	Results	Qualifier	Units	MDL	Dilution Factor	Analyzed	By	Batch
EPA 300.0	Bromide	< 5.0	U	mg/L	2.0	10	07/18/2011	NP	1107063
EPA 300.0	Chloride	< 20.0	U	mg/L	10.0	10	07/18/2011	NP	1107063
EPA 300.0	**Sulfate as SO4**	**918**		mg/L	20.0	10	07/18/2011	NP	1107063

"J" Qualifier indicates an estimated value

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Dissolved) by EPA 200/7000 Series Methods - Quality Control

TechLaw, Inc. - ESAT Region 8

Analyte	Result	Det. Limit	Units	Spike Level	Source Result	%R	%R Limits	%D or RPD	%D or RPD Limit
ICPMS-PE DRC-II									
Batch 1108004 - No Lab Prep Reqd			*Water*						**ICPMS-PE DRC-II**
Method Blank (1108004-BLK1)		Dilution Factor: 1				Prepared & Analyzed: 08/01/11			
Beryllium	< 0.100	0.200	ug/L						
Vanadium	< 1.00	2.00	"						
Chromium	< 0.500	1.00	"						
Manganese	< 0.200	0.500	"						
Cobalt	< 0.100	0.200	"						
Nickel	< 0.500	1.00	"						
Copper	< 0.500	1.00	"						
Zinc	< 2.00	5.00	"						
Arsenic	< 0.500	2.00	"						
Selenium	< 0.500	1.00	"						
Molybdenum	< 0.100	0.200	"						
Silver	< 0.100	0.500	"						
Cadmium	< 0.100	0.200	"						
Antimony	< 0.500	1.00	"						
Barium	< 5.00	10.0	"						
Thallium	< 0.500	1.00	"						
Lead	< 0.100	0.200	"						
Method Blank Spike (1108004-BS1)		Dilution Factor: 1				Prepared & Analyzed: 08/01/11			
Beryllium	104	0.200	ug/L	100		104	85-115		
Vanadium	102	2.00	"	100		102	85-115		
Chromium	97.7	1.00	"	100		98	85-115		
Manganese	99.8	0.500	"	100		100	85-115		
Cobalt	101	0.200	"	100		101	85-115		
Nickel	102	1.00	"	100		102	85-115		
Copper	98.5	1.00	"	100		98	85-115		
Zinc	104	5.00	"	100		104	85-115		
Arsenic	105	2.00	"	100		105	85-115		
Selenium	523	1.00	"	500		105	85-115		
Molybdenum	99.7	0.200	"	100		100	85-115		
Silver	103	0.500	"	100		103	85-115		
Cadmium	103	0.200	"	100		103	85-115		
Antimony	104	1.00	"	100		104	85-115		
Barium	102	10.0	"	100		102	85-115		
Thallium	104	1.00	"	100		104	85-115		
Lead	104	0.200	"	100		104	85-115		

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Dissolved) by EPA 200/7000 Series Methods - Quality Control

TechLaw, Inc. - ESAT Region 8

Analyte	Result	Det. Limit	Units	Spike Level	Source Result	%R	%R Limits	%D or RPD	%D or RPD Limit
Batch 1108004 - No Lab Prep Reqd			*Water*						ICPMS-PE DRC-II
Duplicate (1108004-DUP1)		Dilution Factor: 1	**Source: C110616-01**			Prepared & Analyzed: 08/01/11			
Beryllium	< 0.100	0.200	ug/L		< 0.100				20
Vanadium	1.72	2.00	"		1.57			9	20
Chromium	6.15	1.00	"		5.64			9	20
Manganese	< 0.200	0.500	"		< 0.200				20
Cobalt	< 0.100	0.200	"		< 0.100				20
Nickel	< 0.500	1.00	"		< 0.500				20
Copper	< 0.500	1.00	"		< 0.500				20
Zinc	10.8	5.00	"		10.8			0.09	20
Arsenic	< 0.500	2.00	"		< 0.500				20
Selenium	0.798	1.00	"		0.806			1	20
Molybdenum	1.31	0.200	"		1.28			2	20
Silver	< 0.100	0.500	"		< 0.100				20
Cadmium	< 0.100	0.200	"		< 0.100				20
Antimony	< 0.500	1.00	"		< 0.500				20
Barium	48.8	10.0	"		48.7			0.2	20
Thallium	< 0.500	1.00	"		< 0.500				20
Lead	0.130	0.200	"		0.140			8	20
Matrix Spike (1108004-MS1)		Dilution Factor: 1	**Source: C110616-01**			Prepared & Analyzed: 08/01/11			
Beryllium	101	0.200	ug/L	100	< 0.100	101	75-125		
Vanadium	98.7	2.00	"	100	1.57	97	75-125		
Chromium	99.3	1.00	"	100	5.64	94	75-125		
Manganese	92.2	0.500	"	100	< 0.200	92	75-125		
Cobalt	89.4	0.200	"	100	< 0.100	89	75-125		
Nickel	92.4	1.00	"	100	< 0.500	92	75-125		
Copper	87.6	1.00	"	100	< 0.500	88	75-125		
Zinc	112	5.00	"	100	10.8	101	75-125		
Arsenic	120	2.00	"	100	< 0.500	120	75-125		
Selenium	607	1.00	"	500	0.806	121	75-125		
Molybdenum	103	0.200	"	100	1.28	102	75-125		
Silver	99.7	0.500	"	100	< 0.100	100	75-125		
Cadmium	103	0.200	"	100	< 0.100	103	75-125		
Antimony	106	1.00	"	100	< 0.500	106	75-125		
Barium	148	10.0	"	100	48.7	100	75-125		
Thallium	103	1.00	"	100	< 0.500	103	75-125		
Lead	104	0.200	"	100	0.140	104	75-125		

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Dissolved) by EPA 200/7000 Series Methods - Quality Control

TechLaw, Inc. - ESAT Region 8

Analyte	Result	Det. Limit	Units	Spike Level	Source Result	%R	%R Limits	%D or RPD	%D or RPD Limit
Batch 1108004 - No Lab Prep Reqd			*Water*						ICPMS-PE DRC-II
Matrix Spike Dup (1108004-MSD1)		Dilution Factor: 1	Source: C110616-01			Prepared & Analyzed: 08/01/11			
Beryllium	98.5	0.200	ug/L	100	< 0.100	98	75-125	3	20
Vanadium	101	2.00	"	100	1.57	99	75-125	2	20
Chromium	103	1.00	"	100	5.64	97	75-125	3	20
Manganese	97.3	0.500	"	100	< 0.200	97	75-125	5	20
Cobalt	98.4	0.200	"	100	< 0.100	98	75-125	10	20
Nickel	97.6	1.00	"	100	< 0.500	98	75-125	6	20
Copper	91.3	1.00	"	100	< 0.500	91	75-125	4	20
Zinc	113	5.00	"	100	10.8	102	75-125	1	20
Arsenic	115	2.00	"	100	< 0.500	115	75-125	4	20
Selenium	608	1.00	"	500	0.806	121	75-125	0.07	20
Molybdenum	102	0.200	"	100	1.28	101	75-125	0.4	20
Silver	100	0.500	"	100	< 0.100	100	75-125	0.3	20
Cadmium	102	0.200	"	100	< 0.100	102	75-125	0.7	20
Antimony	105	1.00	"	100	< 0.500	105	75-125	1	20
Barium	149	10.0	"	100	48.7	100	75-125	0.5	20
Thallium	104	1.00	"	100	< 0.500	104	75-125	1	20
Lead	103	0.200	"	100	0.140	103	75-125	0.7	20
Batch 1108008 - 1108004			*Water*						ICPMS-PE DRC-II
Serial Dilution (1108008-SRD1)		Dilution Factor: 5	Source: C110616-01			Prepared & Analyzed: 08/01/11			
Beryllium	< 0.500	1.00	ug/L		< 0.10				10
Vanadium	< 5.00	10.0	"		1.57				10
Chromium	6.84	5.00	"		5.64			19	10
Manganese	< 1.00	2.50	"		< 0.20				10
Cobalt	< 0.500	1.00	"		< 0.10				10
Nickel	< 2.50	5.00	"		< 0.50				10
Copper	< 2.50	5.00	"		< 0.50				10
Zinc	11.4	25.0	"		10.8			5	10
Arsenic	< 2.50	10.0	"		< 0.50				10
Selenium	< 2.50	5.00	"		0.806				10
Molybdenum	1.22	1.00	"		1.28			5	10
Silver	< 0.500	2.50	"		< 0.10				10
Cadmium	< 0.500	1.00	"		< 0.10				10
Antimony	< 2.50	5.00	"		< 0.50				10
Barium	48.3	50.0	"		48.7			0.9	10
Thallium	< 2.50	5.00	"		< 0.50				10
Lead	< 0.500	1.00	"		0.140				10

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Metals (Dissolved) by EPA 200/7000 Series Methods - Quality Control

TechLaw, Inc. - ESAT Region 8

Analyte	Result	Det. Limit	Units	Spike Level	Source Result	%R	%R Limits	%D or RPD	%D or RPD Limit
ICPOE - PE Optima									
Batch 1108003 - No Lab Prep Reqd			*Water*						**ICPOE - PE Optima**
Method Blank (1108003-BLK1)		Dilution Factor: 1				Prepared & Analyzed: 08/01/11			
Aluminum	< 20.0	50.0	ug/L						
Calcium	< 100	250	"						
Iron	< 100	250	"						
Potassium	< 250	1000	"						
Magnesium	< 100	250	"						
Sodium	< 250	500	"						
Method Blank Spike (1108003-BS1)		Dilution Factor: 1				Prepared & Analyzed: 08/01/11			
Aluminum	10210	50.0	ug/L	10000		102	85-115		
Calcium	10260	250	"	10000		103	85-115		
Iron	10230	250	"	10000		102	85-115		
Potassium	10290	1000	"	10000		103	85-115		
Magnesium	10380	250	"	10000		104	85-115		
Sodium	10400	500	"	10000		104	85-115		
Duplicate (1108003-DUP1)		Dilution Factor: 1	Source: C110616-07			Prepared & Analyzed: 08/01/11			
Aluminum	348.1	50.0	ug/L		350.5			0.7	20
Calcium	251800	250	"		249500			0.9	20
Iron	446.8	250	"		445.5			0.3	20
Potassium	1678	1000	"		1680			0.1	20
Magnesium	24180	250	"		24160			0.06	20
Sodium	9086	500	"		9101			0.2	20
Matrix Spike (1108003-MS1)		Dilution Factor: 1	Source: C110616-07			Prepared & Analyzed: 08/01/11			
Aluminum	10410	50.0	ug/L	10000	350.5	101	75-125		
Calcium	251500	250	"	10000	249500	20	75-125		
Iron	10830	250	"	10000	445.5	104	75-125		
Potassium	11850	1000	"	10000	1680	102	75-125		
Magnesium	33800	250	"	10000	24160	96	75-125		
Sodium	19070	500	"	10000	9101	100	75-125		

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Metals (Dissolved) by EPA 200/7000 Series Methods - Quality Control

TechLaw, Inc. - ESAT Region 8

Analyte	Result	Det. Limit	Units	Spike Level	Source Result	%R	%R Limits	%D or RPD	%D or RPD Limit
Batch 1108003 - No Lab Prep Reqd			*Water*						ICPOE - PE Optima
Matrix Spike Dup (1108003-MSD1)		Dilution Factor: 1		Source: C110616-07		Prepared & Analyzed: 08/01/11			
Aluminum	10670	50.0	ug/L	10000	350.5	103	75-125	2	20
Calcium	249200	250	"	10000	249500	NR	75-125	0.9	20
Iron	10920	250	"	10000	445.5	105	75-125	0.9	20
Potassium	12140	1000	"	10000	1680	105	75-125	2	20
Magnesium	34060	250	"	10000	24160	99	75-125	0.8	20
Sodium	19460	500	"	10000	9101	104	75-125	2	20
Batch 1108005 - 1108003			*Water*						ICPOE - PE Optima
Serial Dilution (1108005-SRD1)		Dilution Factor: 5		Source: C110616-07		Prepared & Analyzed: 08/01/11			
Aluminum	< 500	1250	ug/L		350.5				10
Calcium	231000	1250	"		249500			8	10
Iron	< 500	1250	"		445.5				10
Potassium	1498	1250	"		1680			11	10
Magnesium	24190	1250	"		24160			0.1	10
Sodium	9301	1250	"		9101			2	10

NOTE: %R = % Recovery, %R limits do not apply when sample levels exceed 4x the spike level.
RPD = Relative Percent Difference, %D = % Difference, DL = Detection Limit for QC sample

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

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Metals (Total Recov) by EPA 200/7000 Series Methods - Quality Control

TechLaw, Inc. - ESAT Region 8

Analyte	Result	Det. Limit	Units	Spike Level	Source Result	%R	%R Limits	%D or RPD	%D or RPD Limit
ICPMS-PE DRC-II									
Batch 1107126 - EPA 200.2 TR Met			*Water*						ICPMS-PE DRC-II
Method Blank (1107126-BLK2)		Dilution Factor: 5				Prepared: 07/29/11 Analyzed: 08/02/11			
Beryllium	< 0.500	1.00	ug/L						
Vanadium	< 5.00	10.0	"						
Chromium	< 2.50	5.00	"						
Manganese	< 1.00	2.50	"						
Cobalt	< 0.500	1.00	"						
Nickel	< 2.50	5.00	"						
Copper	< 2.50	5.00	"						
Zinc	< 10.0	25.0	"						
Arsenic	< 2.50	10.0	"						
Selenium	< 2.50	5.00	"						
Molybdenum	< 0.500	1.00	"						
Silver	< 0.500	3.00	"						
Cadmium	< 0.500	1.00	"						
Antimony	< 2.50	5.00	"						
Barium	< 25.0	50.0	"						
Thallium	< 2.50	5.00	"						
Lead	< 0.500	1.00	"						
Duplicate (1107126-DUP2)		Dilution Factor: 5	Source: C110616-03			Prepared: 07/29/11 Analyzed: 08/02/11			
Beryllium	< 0.500	1.00	ug/L		< 0.500				20
Vanadium	< 5.00	10.0	"		< 5.00				20
Chromium	< 2.50	5.00	"		< 2.50				20
Manganese	< 1.00	2.50	"		< 1.00				20
Cobalt	< 0.500	1.00	"		< 0.500				20
Nickel	< 2.50	5.00	"		< 2.50				20
Copper	< 2.50	5.00	"		< 2.50				20
Zinc	14.59	25.0	"		14.10			3	20
Arsenic	< 2.50	10.0	"		< 2.50				20
Selenium	< 2.50	5.00	"		< 2.50				20
Molybdenum	1.372	1.00	"		1.345			2	20
Silver	< 0.500	3.00	"		< 0.500				20
Cadmium	< 0.500	1.00	"		< 0.500				20
Antimony	< 2.50	5.00	"		< 2.50				20
Barium	51.79	50.0	"		51.07			1	20
Thallium	< 2.50	5.00	"		< 2.50				20
Lead	2.422	1.00	"		1.596			41	20

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Metals (Total Recov) by EPA 200/7000 Series Methods - Quality Control

TechLaw, Inc. - ESAT Region 8

Analyte	Result	Det. Limit	Units	Spike Level	Source Result	%R	%R Limits	%D or RPD	%D or RPD Limit
Batch 1107126 - EPA 200.2 TR Met			*Water*						ICPMS-PE DRC-II
Matrix Spike (1107126-MS2)		Dilution Factor: 5		Source: C110616-03		Prepared: 07/29/11	Analyzed: 08/02/11		
Beryllium	178.3	1.00	ug/L	200	< 0.500	89	75-125		
Vanadium	292.9	10.0	"	300	< 5.00	98	75-125		
Chromium	387.9	5.00	"	400	< 2.50	97	75-125		
Manganese	186.1	2.50	"	200	< 1.00	93	75-125		
Cobalt	191.2	1.00	"	200	< 0.500	96	75-125		
Nickel	490.2	5.00	"	500	< 2.50	98	75-125		
Copper	297.5	5.00	"	300	< 2.50	99	75-125		
Zinc	225.6	25.0	"	200	14.10	106	75-125		
Arsenic	844.9	10.0	"	800	< 2.50	106	75-125		
Selenium	2095	5.00	"	2000	< 2.50	105	75-125		
Molybdenum	397.6	1.00	"	400	1.345	99	75-125		
Silver	69.36	3.00	"	75.0	< 0.500	92	75-125		
Cadmium	201.9	1.00	"	200	< 0.500	101	75-125		
Antimony	845.5	5.00	"	800	< 2.50	106	75-125		
Barium	261.1	50.0	"	200	51.07	105	75-125		
Thallium	2121	5.00	"	2000	< 2.50	106	75-125		
Lead	1065	1.00	"	1000	1.596	106	75-125		
Matrix Spike Dup (1107126-MSD2)		Dilution Factor: 5		Source: C110616-03		Prepared: 07/29/11	Analyzed: 08/02/11		
Beryllium	172.4	1.00	ug/L	200	< 0.500	86	75-125	3	20
Vanadium	291.5	10.0	"	300	< 5.00	97	75-125	0.5	20
Chromium	386.2	5.00	"	400	< 2.50	97	75-125	0.4	20
Manganese	190.4	2.50	"	200	< 1.00	95	75-125	2	20
Cobalt	190.3	1.00	"	200	< 0.500	95	75-125	0.4	20
Nickel	473.4	5.00	"	500	< 2.50	95	75-125	3	20
Copper	287.9	5.00	"	300	< 2.50	96	75-125	3	20
Zinc	221.8	25.0	"	200	14.10	104	75-125	2	20
Arsenic	839.6	10.0	"	800	< 2.50	105	75-125	0.6	20
Selenium	2120	5.00	"	2000	< 2.50	106	75-125	1	20
Molybdenum	395.1	1.00	"	400	1.345	98	75-125	0.6	20
Silver	68.88	3.00	"	75.0	< 0.500	92	75-125	0.7	20
Cadmium	200.9	1.00	"	200	< 0.500	100	75-125	0.5	20
Antimony	825.1	5.00	"	800	< 2.50	103	75-125	2	20
Barium	257.0	50.0	"	200	51.07	103	75-125	2	20
Thallium	2079	5.00	"	2000	< 2.50	104	75-125	2	20
Lead	1064	1.00	"	1000	1.596	106	75-125	0.05	20

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Metals (Total Recov) by EPA 200/7000 Series Methods - Quality Control

TechLaw, Inc. - ESAT Region 8

Analyte	Result	Det. Limit	Units	Spike Level	Source Result	%R	%R Limits	%D or RPD	%D or RPD Limit
Batch 1107126 - EPA 200.2 TR Met			*Water*						ICPMS-PE DRC-II
Post Spike (1107126-PS2)		Dilution Factor: 5	Source: C110616-03			Prepared: 07/29/11	Analyzed: 08/02/11		
Beryllium	98.89		ug/L	100	-0.04925	99	80-120		
Vanadium	93.76		"	100	-2.746	97	80-120		
Chromium	98.26		"	100	1.856	96	80-120		
Manganese	95.13		"	100	-2.632	98	80-120		
Cobalt	94.64		"	100	-1.078	96	80-120		
Nickel	95.23		"	100	-1.609	97	80-120		
Copper	94.89		"	100	-2.128	97	80-120		
Zinc	117.9		"	100	14.10	104	80-120		
Arsenic	108.2		"	100	-0.09870	108	80-120		
Selenium	527.4		"	500	0.5698	105	80-120		
Molybdenum	98.33		"	100	1.345	97	80-120		
Silver	91.77		"	100	-0.2152	92	80-120		
Cadmium	100.5		"	100	0.2911	100	80-120		
Antimony	101.7		"	100	0.1902	102	80-120		
Barium	152.3		"	100	51.07	101	80-120		
Thallium	119.3		"	100	0.02240	119	80-120		
Lead	110.8		"	100	1.596	109	80-120		
Reference (1107126-SRM2)		Dilution Factor: 2				Prepared: 07/29/11	Analyzed: 08/02/11		
Beryllium	868.1	4.00	ug/L	1000		87	80-120		
Vanadium	987.7	40.0	"	1000		99	80-120		
Chromium	1003	20.0	"	1000		100	80-120		
Manganese	989.6	10.0	"	1000		99	80-120		
Cobalt	984.1	4.00	"	1000		98	80-120		
Nickel	1000	20.0	"	1000		100	80-120		
Copper	1092	20.0	"	1000		109	80-120		
Zinc	1110	100	"	1000		111	80-120		
Arsenic	2081	40.0	"	2000		104	80-120		
Selenium	1059	20.0	"	1000		106	80-120		
Molybdenum	1011	4.00	"	1000		101	80-120		
Silver	222.6	12.0	"	250		89	80-120		
Cadmium	1040	4.00	"	1000		104	80-120		
Antimony	2091	20.0	"	2000		105	80-120		
Barium	1027	200	"	1000		103	80-120		
Thallium	5197	20.0	"	5000		104	80-120		
Lead	2134	4.00	"	2000		107	80-120		

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Metals (Total Recov) by EPA 200/7000 Series Methods - Quality Control

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Analyte	Result	Det. Limit	Units	Spike Level	Source Result	%R	%R Limits	%D or RPD	%D or RPD Limit
Batch 1108012 - 1107126			*Water*						ICPMS-PE DRC-II
Serial Dilution (1108012-SRD1)		Dilution Factor: 2	Source: C110616-03			Prepared: 07/29/11 Analyzed: 08/02/11			
Beryllium	< 5.00	12.5	ug/L		< 1.00				10
Vanadium	< 5.00	12.5	"		< 1.00				10
Chromium	< 5.00	12.5	"		< 1.00				10
Manganese	< 5.00	12.5	"		< 1.00				10
Cobalt	< 5.00	12.5	"		< 1.00				10
Nickel	< 5.00	12.5	"		< 1.00				10
Copper	< 5.00	12.5	"		< 1.00				10
Zinc	6.368	12.5	"		14.10			76	10
Arsenic	< 5.00	12.5	"		< 1.00				10
Selenium	< 5.00	12.5	"		< 1.00				10
Molybdenum	< 5.00	12.5	"		1.345				200
Silver	< 2.50	15.0	"		< 0.50				10
Cadmium	< 5.00	12.5	"		< 1.00				10
Antimony	< 5.00	12.5	"		< 1.00				10
Barium	48.17	12.5	"		51.07			6	10
Thallium	< 5.00	12.5	"		< 1.00				10
Lead	< 5.00	12.5	"		1.596				10

ICPOE - PE Optima

Batch 1107126 - EPA 200.2 TR Met			*Water*						ICPOE - PE Optima
Method Blank (1107126-BLK1)		Dilution Factor: 1				Prepared: 07/29/11 Analyzed: 08/01/11			
Aluminum	< 20.0	50.0	ug/L						
Calcium	< 100	250	"						
Iron	< 100	250	"						
Potassium	< 250	1000	"						
Magnesium	< 100	250	"						
Sodium	< 250	500	"						

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods - Quality Control

TechLaw, Inc. - ESAT Region 8

Analyte	Result	Det. Limit	Units	Spike Level	Source Result	%R	%R Limits	%D or RPD	%D or RPD Limit
Batch 1107126 - EPA 200.2 TR Met			*Water*						ICPOE - PE Optima
Duplicate (1107126-DUP1)		Dilution Factor: 1	Source: C110616-03			Prepared: 07/29/11		Analyzed: 08/01/11	
Aluminum	41.06	50.0	ug/L		40.65			1	20
Calcium	85800	250	"		84170			2	20
Iron	< 100	250	"		< 100				20
Potassium	1017	1000	"		986.4			3	20
Magnesium	5153	250	"		5087			1	20
Sodium	1237	500	"		1217			2	20
Matrix Spike (1107126-MS1)		Dilution Factor: 1	Source: C110616-03			Prepared: 07/29/11		Analyzed: 08/01/11	
Aluminum	2080	50.0	ug/L	2000	40.65	102	75-125		
Calcium	85810	250	"	1000	84170	163	75-125		
Iron	3047	250	"	3000	< 100	102	75-125		
Potassium	11450	1000	"	10000	986.4	105	75-125		
Magnesium	7197	250	"	2000	5087	106	75-125		
Sodium	4448	500	"	3000	1217	108	75-125		
Matrix Spike Dup (1107126-MSD1)		Dilution Factor: 1	Source: C110616-03			Prepared: 07/29/11		Analyzed: 08/01/11	
Aluminum	2071	50.0	ug/L	2000	40.65	102	75-125	0.4	20
Calcium	84720	250	"	1000	84170	54	75-125	1	20
Iron	3022	250	"	3000	< 100	101	75-125	0.8	20
Potassium	11350	1000	"	10000	986.4	104	75-125	0.8	20
Magnesium	7114	250	"	2000	5087	101	75-125	1	20
Sodium	4413	500	"	3000	1217	107	75-125	0.8	20
Post Spike (1107126-PS1)		Dilution Factor: 1	Source: C110616-03			Prepared: 07/29/11		Analyzed: 08/01/11	
Aluminum	10140		ug/L	10100	40.65	100	80-120		
Calcium	92610		"	10100	84170	83	80-120		
Iron	9905		"	10100	9.851	98	80-120		
Potassium	11220		"	10100	986.4	101	80-120		
Magnesium	15120		"	10100	5087	99	80-120		
Sodium	11580		"	10100	1217	103	80-120		

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Metals (Total Recov) by EPA 200/7000 Series Methods - Quality Control

TechLaw, Inc. - ESAT Region 8

Analyte	Result	Det. Limit	Units	Spike Level	Source Result	%R	%R Limits	%D or RPD	%D or RPD Limit
Batch 1107126 - EPA 200.2 TR Met			*Water*						ICPOE - PE Optima
Reference (1107126-SRM1)		Dilution Factor: 1				Prepared: 07/29/11	Analyzed: 08/01/11		
Aluminum	1014	50.0	ug/L	1000		101	80-120		
Calcium	951.4	250	"	1000		95	80-120		
Iron	959.5	250	"	1000		96	80-120		
Potassium	4948	1000	"	5000		99	80-120		
Magnesium	1029	250	"	1000		103	80-120		
Sodium	980.1	500	"	1000		98	80-120		
Batch 1108006 - 1107126			*Water*						ICPOE - PE Optima
Serial Dilution (1108006-SRD1)		Dilution Factor: 5	**Source: C110616-03**			Prepared: 07/29/11	Analyzed: 08/01/11		
Aluminum	< 100	250	ug/L		40.65				10
Calcium	84450	1250	"		84170			0.3	10
Iron	< 500	1250	"		< 100.00				10
Potassium	< 1250	5000	"		986.4				10
Magnesium	5161	1250	"		5087			1	10
Sodium	1261	2500	"		1217				10

NOTE: %R = % Recovery, %R limits do not apply when sample levels exceed 4x the spike level.
RPD = Relative Percent Difference, %D = % Difference, DL = Detection Limit for QC sample

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

Classical Chemistry by EPA/ASTM/APHA Methods - Quality Control

TechLaw, Inc. - ESAT Region 8

Analyte	Result	Det. Limit	Units	Spike Level	Source Result	%R	%R Limits	%D or RPD	%D or RPD Limit
ESAT Dionex IC									
Batch 1107063 - No Prep Req			*Water*						ESAT Dionex IC
Method Blank (1107063-BLK1)		Dilution Factor: 1				Prepared & Analyzed: 07/15/11			
Chloride	< 1.0	2.0	mg/L						
Bromide	< 0.2	0.5	"						
Sulfate as SO4	< 2.0	5.0	"						
Method Blank Spike (1107063-BS1)		Dilution Factor: 1				Prepared & Analyzed: 07/15/11			
Chloride	24.2	2.0	mg/L	25.0		97	80-120		
Bromide	10.0	0.5	"				80-120		
Sulfate as SO4	23.5	5.0	"	25.0		94	80-120		
Duplicate (1107063-DUP1)		Dilution Factor: 1	Source: C110614-AO			Prepared & Analyzed: 07/15/11			
Chloride	< 1.0	2.0	mg/L		< 1.0				20
Bromide	< 0.2	0.5	"		< 0.2				20
Sulfate as SO4	19.4	5.0	"		19.4			0.2	20
Matrix Spike (1107063-MS1)		Dilution Factor: 1	Source: C110614-AO			Prepared & Analyzed: 07/15/11			
Chloride	25.5	2.0	mg/L	25.0	< 1.0	102	80-120		
Bromide	< 0.2	0.5	"		< 0.2		80-120		
Sulfate as SO4	44.7	5.0	"	25.0	19.4	101	80-120		
Matrix Spike Dup (1107063-MSD1)		Dilution Factor: 1	Source: C110614-AO			Prepared & Analyzed: 07/15/11			
Chloride	25.6	2.0	mg/L	25.0	< 1.0	103	80-120	0.5	20
Bromide	< 0.2	0.5	"		< 0.2		80-120		20
Sulfate as SO4	44.8	5.0	"	25.0	19.4	101	80-120	0.07	20

NOTE: %R = % Recovery, %R limits do not apply when sample levels exceed 4x the spike level.
RPD = Relative Percent Difference, %D = % Difference, DL = Detection Limit for QC sample

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INORGANIC ANALYSES DATA SHEET

Intial and Continuing Calibration Blanks

Analytical Method: EPA 300.0 Analysis Name: WC - Anions by Ion Chromatography

Instrument: ESAT Dionex IC Work Order: Nu C110616

Analytical Sequence: 1107120 Dissolved Concentration Units: mg/L

Blank criteria = +/- 5x analyte MDL (+/- PQL)

Analyte	Initial Calibration Blank (1 & 2)	Continuing Calibration Blanks				Method Blank (Batch ID)		PQL
		1	2	3	4	1107063-BLK1	NA	
Chloride	0.00	0.00	0.00	0.00	0.00	0.00	NA	2.00
		5	6	7	8			
		0.00						
		1	2	3	4	1107063-BLK1	NA	
Bromide	0.00	0.00	0.00	0.00	0.00	0.00	NA	0.50
		5	6	7	8			
		0.00						
		1	2	3	4	1107063-BLK1	NA	
Sulfate as SO4	0.00	0.00	1.19	0.00	0.00	0.00	NA	5.00
		5	6	7	8			
		0.00						

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INORGANIC ANALYSES DATA SHEET

Intial and Continuing Calibration Blanks

Analytical Method: 200.7 Analysis Name: ICPOE Diss. Metals-2010

Instrument: ICPOE - PE Optima Work Order: Nu C110616

Analytical Sequence: 1108005 Dissolved Concentration Units: ug/L

Blank criteria = +/- 5x analyte MDL (+/- PQL)

Analyte	Initial Calibration Blank (1 & 2)	Continuing Calibration Blanks				Method Blank (Batch ID)		PQL
Aluminum	-1.19	1	2	3	4	1108003-BLK1	NA	50.00
		-0.65	0.36	-0.99	0.01	0.32	NA	
		5	6	7	8			
		0.80	0.84	0.26				
Calcium	1.11	1	2	3	4	1108003-BLK1	NA	250.00
		2.49	2.17	2.21	-0.29	0.80	NA	
		5	6	7	8			
		2.45	1.89	3.17				
Iron	3.69	1	2	3	4	1108003-BLK1	NA	250.00
		28.68	20.25	21.49	11.66	8.42	NA	
		5	6	7	8			
		18.97	15.27	8.95				
Potassium	14.14	1	2	3	4	1108003-BLK1	NA	1,000.00
		5.83	25.32	20.07	13.96	29.09	NA	
		5	6	7	8			
		27.95	15.01	24.16				
Magnesium	0.39	1	2	3	4	1108003-BLK1	NA	250.00
		1.01	1.82	1.37	1.27	0.52	NA	
		5	6	7	8			
		1.77	1.31	1.54				
Sodium	-0.56	1	2	3	4	1108003-BLK1	NA	500.00
		-1.65	-0.40	1.94	-0.98	-2.57	NA	
		5	6	7	8			
		-2.05	-1.20	-0.82				

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INORGANIC ANALYSES DATA SHEET

Intial and Continuing Calibration Blanks

Analytical Method: 200.7 Analysis Name: ICPOE Tot. Rec Metals-2010

Instrument: ICPOE - PE Optima Work Order: Nu C110616

Analytical Sequence: 1108006 Total Recoverable Concentration Units: ug/L

Blank criteria = +/- 5x analyte MDL (+/- PQL)

Analyte	Initial Calibration Blank (1 & 2)	Continuing Calibration Blanks				Method Blank (Batch ID)		PQL
Aluminum	-1.19	1	2	3	4	1107126-BLK1	NA	50.00
		-0.65	0.36	-0.99	0.01	0.09	NA	
		5	6	7	8			
		0.80	0.84	0.26				
Calcium	1.11	1	2	3	4	1107126-BLK1	NA	250.00
		2.49	2.17	2.21	-0.29	3.34	NA	
		5	6	7	8			
		2.45	1.89	3.17				
Iron	3.69	1	2	3	4	1107126-BLK1	NA	250.00
		28.68	20.25	21.49	11.66	13.63	NA	
		5	6	7	8			
		18.97	15.27	8.95				
Potassium	14.14	1	2	3	4	1107126-BLK1	NA	1,000.00
		5.83	25.32	20.07	13.96	15.82	NA	
		5	6	7	8			
		27.95	15.01	24.16				
Magnesium	0.39	1	2	3	4	1107126-BLK1	NA	250.00
		1.01	1.82	1.37	1.27	2.04	NA	
		5	6	7	8			
		1.77	1.31	1.54				
Sodium	-0.56	1	2	3	4	1107126-BLK1	NA	500.00
		-1.65	-0.40	1.94	-0.98	-4.45	NA	
		5	6	7	8			
		-2.05	-1.20	-0.82				

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INORGANIC ANALYSES DATA SHEET

Intial and Continuing Calibration Blanks

Analytical Method: 200.8 Analysis Name: ICPMS Diss. Metals-2010

Instrument: ICPMS-PE DRC-II Work Order: Nu C110616

Analytical Sequence: 1108008 Dissolved Concentration Units: ug/L

Blank criteria = +/- 5x analyte MDL (+/- PQL)

Analyte	Initial Calibration Blank (1 & 2)	Continuing Calibration Blanks				Method Blank (Batch ID)		PQL
Beryllium	-0.02	1	2	3	4	1108004-BLK1	NA	0.20
		0.01	-0.01	0.00	-0.01	0.01	NA	
		5	6	7	8			
		-0.01	-0.04	-0.01				
Vanadium	0.02	1	2	3	4	1108004-BLK1	NA	2.00
		0.01	0.05	0.01	0.01	0.00	NA	
		5	6	7	8			
		0.04	0.04	0.05				
Chromium	-0.01	1	2	3	4	1108004-BLK1	NA	1.00
		0.07	0.08	0.06	0.04	0.04	NA	
		5	6	7	8			
		0.04	0.04	0.09				
Manganese	0.02	1	2	3	4	1108004-BLK1	NA	0.50
		0.01	0.03	0.05	0.01	0.01	NA	
		5	6	7	8			
		0.07	0.04	0.06				
Cobalt	0.00	1	2	3	4	1108004-BLK1	NA	0.20
		0.01	0.01	0.01	0.01	0.00	NA	
		5	6	7	8			
		0.01	0.01	0.01				
Nickel	0.01	1	2	3	4	1108004-BLK1	NA	1.00
		0.02	0.02	0.02	0.01	0.01	NA	
		5	6	7	8			
		0.01	0.02	0.02				
Copper	0.09	1	2	3	4	1108004-BLK1	NA	1.00
		0.06	0.05	0.04	0.04	0.01	NA	
		5	6	7	8			
		0.36	0.11	0.13				
Zinc	0.03	1	2	3	4	1108004-BLK1	NA	5.00
		0.10	0.13	0.05	0.09	0.01	NA	
		5	6	7	8			
		0.58	0.14	0.34				

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INORGANIC ANALYSES DATA SHEET

Intial and Continuing Calibration Blanks

Analytical Method: 200.8 Analysis Name: ICPMS Diss. Metals-2010

Instrument: ICPMS-PE DRC-II Work Order: Nu C110616

Analytical Sequence: 1108008 Dissolved Concentration Units: ug/L

Blank criteria = +/- 5x analyte MDL (+/- PQL)

Analyte	Initial Calibration Blank (1 & 2)	Continuing Calibration Blanks				Method Blank (Batch ID)		PQL
Arsenic	-0.03	1	2	3	4	1108004-BLK1	NA	2.00
		0.01	-0.06	-0.05	-0.03	-0.04	NA	
		5	6	7	8			
		-0.03	-0.02	-0.03				
Selenium	0.05	1	2	3	4	1108004-BLK1	NA	1.00
		0.08	-0.01	-0.11	0.00	-0.04	NA	
		5	6	7	8			
		-0.03	0.05	0.03				
Molybdenum	0.01	1	2	3	4	1108004-BLK1	NA	0.20
		0.02	0.00	0.00	0.00	-0.01	NA	
		5	6	7	8			
		0.01	0.01	0.02				
Silver	0.44	1	2	3	4	1108004-BLK1	NA	0.50
		0.38	0.36	0.27	0.28	-0.04	NA	
		5	6	7	8			
		0.33	0.19	0.19				
Cadmium	0.01	1	2	3	4	1108004-BLK1	NA	0.20
		0.00	0.02	0.00	0.00	0.02	NA	
		5	6	7	8			
		0.00	0.04	0.03				
Antimony	0.03	1	2	3	4	1108004-BLK1	NA	1.00
		0.04	0.04	0.04	0.04	0.00	NA	
		5	6	7	8			
		0.05	0.05	0.06				
Barium	0.01	1	2	3	4	1108004-BLK1	NA	10.00
		0.01	0.00	0.01	0.00	0.01	NA	
		5	6	7	8			
		0.01	0.00	0.02				
Thallium	0.01	1	2	3	4	1108004-BLK1	NA	1.00
		0.00	0.12	0.03	0.02	0.01	NA	
		5	6	7	8			
		0.01	0.01	0.01				

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INORGANIC ANALYSES DATA SHEET

Intial and Continuing Calibration Blanks

Analytical Method: 200.8 Analysis Name: ICPMS Diss. Metals-2010

Instrument: ICPMS-PE DRC-II Work Order: Nu C110616

Analytical Sequence: 1108008 Dissolved Concentration Units: ug/L

Blank criteria = +/- 5x analyte MDL (+/- PQL)

Analyte	Initial Calibration Blank (1 & 2)	Continuing Calibration Blanks				Method Blank (Batch ID)		PQL
		1	2	3	4	1108004-BLK1	NA	
Lead	0.00	-0.01	0.01	0.01	0.00	0.00	NA	0.20
		5	6	7	8			
		0.03	0.01	0.02				

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INORGANIC ANALYSES DATA SHEET

Intial and Continuing Calibration Blanks

Analytical Method: 200.8 Analysis Name: ICP-MS Tot. Rec. Metals-2010

Instrument: ICPMS-PE DRC-II Work Order: Nu C110616

Analytical Sequence: 1108012 Total Recoverable Concentration Units: ug/L

Blank criteria = +/- 5x analyte MDL (+/- PQL)

Analyte	Initial Calibration Blank (1 & 2)	Continuing Calibration Blanks				Method Blank (Batch ID)		PQL
Beryllium	0.01	1	2	3	4	NA	1107126-BLK2	0.20
		0.01	-0.01	0.02	0.02	NA	0.01	
		5	6	7	8			
Vanadium	0.02	1	2	3	4	NA	1107126-BLK2	2.00
		-0.01	-0.01	0.01	-0.01	NA	-1.18	
		5	6	7	8			
Chromium	0.03	1	2	3	4	NA	1107126-BLK2	1.00
		-0.03	-0.10	-0.08	-0.04	NA	0.49	
		5	6	7	8			
Manganese	-0.02	1	2	3	4	NA	1107126-BLK2	0.50
		-0.03	0.00	0.00	-0.02	NA	0.01	
		5	6	7	8			
Cobalt	0.01	1	2	3	4	NA	1107126-BLK2	0.20
		0.01	0.01	0.01	0.01	NA	0.00	
		5	6	7	8			
Nickel	0.02	1	2	3	4	NA	1107126-BLK2	1.00
		0.01	0.00	0.00	0.00	NA	-0.02	
		5	6	7	8			
Copper	0.11	1	2	3	4	NA	1107126-BLK2	1.00
		0.06	0.18	0.06	0.05	NA	0.02	
		5	6	7	8			
Zinc	0.04	1	2	3	4	NA	1107126-BLK2	5.00
		0.01	0.26	0.06	0.07	NA	0.96	
		5	6	7	8			

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INORGANIC ANALYSES DATA SHEET

Intial and Continuing Calibration Blanks

Analytical Method: 200.8 Analysis Name: ICP-MS Tot. Rec. Metals-2010

Instrument: ICPMS-PE DRC-II Work Order: Nu C110616

Analytical Sequence: 1108012 Total Recoverable Concentration Units: ug/L

Blank criteria = +/- 5x analyte MDL (+/- PQL)

Analyte	Initial Calibration Blank (1 & 2)	Continuing Calibration Blanks				Method Blank (Batch ID)		PQL
Arsenic	0.05	1	2	3	4	NA	1107126-BLK2	2.00
		0.03	0.04	0.03	0.03	NA	-0.04	
		5	6	7	8			
Selenium	0.04	1	2	3	4	NA	1107126-BLK2	1.00
		0.02	0.02	0.00	0.04	NA	-0.03	
		5	6	7	8			
Molybdenum	0.03	1	2	3	4	NA	1107126-BLK2	0.20
		0.03	0.02	0.02	0.02	NA	0.00	
		5	6	7	8			
Silver	0.52	1	2	3	4	NA	1107126-BLK2	0.60
		0.45	0.46	0.43	0.36	NA	0.03	
		5	6	7	8			
Cadmium	0.04	1	2	3	4	NA	1107126-BLK2	0.20
		0.02	0.04	0.04	0.05	NA	0.07	
		5	6	7	8			
Antimony	0.03	1	2	3	4	NA	1107126-BLK2	1.00
		0.05	0.05	0.06	0.05	NA	0.03	
		5	6	7	8			
Barium	0.02	1	2	3	4	NA	1107126-BLK2	10.00
		0.01	0.02	0.01	0.02	NA	0.03	
		5	6	7	8			
Thallium	0.00	1	2	3	4	NA	1107126-BLK2	1.00
		0.00	0.21	0.05	0.03	NA	0.01	
		5	6	7	8			

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INORGANIC ANALYSES DATA SHEET

Intial and Continuing Calibration Blanks

Analytical Method: 200.8 Analysis Name: ICP-MS Tot. Rec. Metals-2010

Instrument: ICPMS-PE DRC-II Work Order: Nu C110616

Analytical Sequence: 1108012 Total Recoverable Concentration Units: ug/L

Blank criteria = +/- 5x analyte MDL (+/- PQL)

Analyte	Initial Calibration Blank (1 & 2)	Continuing Calibration Blanks				Method Blank (Batch ID)		PQL
		1	2	3	4	NA	1107126-BLK2	
Lead	-0.01	0.00	0.04	0.00	0.01	NA	0.07	0.20
		5	6	7	8			

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

Initial and Continuing Calibration Verification Results

ESAT Dionex IC Method: EPA 300.0 Analysis Name: WC - Anions by Ion Chromatography 2010

Sequence: 1107120 Work Order: C110616 Units: mg/L

Dissolved Analyte	Initial (ICV1, ICV2)			Continuing Calibration Verification Standards (CCVs)								
	True	Found	%R	True	Found	%R	True	Found	%R	True	Found	%R
Bromide	50.1	49.7	99.2		1			2			3	
				10.0	10.4	104.0	10.0	10.4	104.0	10.0	10.4	104.0
					4			5			6	
				10.0	10.3	103.0	10.0	10.3	103.0			
					7			8			9	
Chloride	15.1	15.8	104.6		1			2			3	
				40.0	41.5	103.8	40.0	41.6	104.0	40.0	41.7	104.3
					4			5			6	
				40.0	41.2	103.0	40.0	41.1	102.8			
					7			8			9	
Sulfate as SO4	75.2	78.8	104.8		1			2			3	
				100	106	106.0	100	105	105.0	100	105	105.0
					4			5			6	
				100	104	104.0	100	104	104.0			
					7			8			9	

Metals - ICV & CCV %R Criteria = 90 - 110%, Classical Chemistry %R Criteria - ICV = 90 - 110%R, CCV = 80 - 120%R.

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

Initial and Continuing Calibration Verification Results

ICPOE - PE Optima Method: 200.7 Analysis Name: ICPOE Diss. Metals-2010

Sequence: 1108005 Work Order: C110616 Units: ug/L

Dissolved Analyte	Initial (ICV1, ICV2)			Continuing Calibration Verification Standards (CCVs)								
	True	Found	%R	True	Found	%R	True	Found	%R	True	Found	%R
Aluminum	1000	1002	100.2		1			2			3	
				12500	12820	102.6	12500	12690	101.5	12500	12660	101.3
					4			5			6	
				12500	12660	101.3	12500	12770	102.2	12500	12640	101.1
					7			8			9	
				12500	12780	102.2						
Calcium	1000	961.7	96.2		1			2			3	
				12500	12930	103.4	12500	12820	102.6	12500	12710	101.7
					4			5			6	
				12500	12790	102.3	12500	12840	102.7	12500	12610	100.9
					7			8			9	
				12500	12750	102.0						
Iron	1000	971.3	97.1		1			2			3	
				12500	12920	103.4	12500	12680	101.4	12500	12570	100.6
					4			5			6	
				12500	12720	101.8	12500	12800	102.4	12500	12580	100.6
					7			8			9	
				12500	12720	101.8						
Magnesium	1000	1020	102.0		1			2			3	
				12500	12950	103.6	12500	12820	102.6	12500	12790	102.3
					4			5			6	
				12500	12790	102.3	12500	12900	103.2	12500	12770	102.2
					7			8			9	
				12500	12910	103.3						
Potassium	5000	4930	98.6		1			2			3	
				25000	25430	101.7	25000	25230	100.9	25000	25200	100.8
					4			5			6	
				25000	25090	100.4	25000	25300	101.2	25000	25230	100.9
					7			8			9	
				25000	25410	101.6						
Sodium	1000	965.4	96.5		1			2			3	
				12500	12790	102.3	12500	12710	101.7	12500	12720	101.8
					4			5			6	
				12500	12690	101.5	12500	12810	102.5	12500	12770	102.2
					7			8			9	
				12500	12900	103.2						

Metals - ICV & CCV %R Criteria = 90 - 110%, Classical Chemistry %R Criteria - ICV = 90 - 110%R, CCV = 80 - 120%R.

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

Initial and Continuing Calibration Verification Results

ICPOE - PE Optima Method: 200.7 Analysis Name: ICPOE Tot. Rec Metals-2010

Sequence: 1108006 Work Order: C110616 Units: ug/L

Total Recoverable Analyte	Initial (ICV1, ICV2)			Continuing Calibration Verification Standards (CCVs)								
	True	Found	%R	True	Found	%R	True	Found	%R	True	Found	%R
Aluminum	1000	1002	100.2		1			2			3	
				12500	12820	102.6	12500	12690	101.5	12500	12660	101.3
					4			5			6	
				12500	12660	101.3	12500	12770	102.2	12500	12640	101.1
					7			8			9	
				12500	12780	102.2						
Calcium	1000	961.7	96.2		1			2			3	
				12500	12930	103.4	12500	12820	102.6	12500	12710	101.7
					4			5			6	
				12500	12790	102.3	12500	12840	102.7	12500	12610	100.9
					7			8			9	
				12500	12750	102.0						
Iron	1000	971.3	97.1		1			2			3	
				12500	12920	103.4	12500	12680	101.4	12500	12570	100.6
					4			5			6	
				12500	12720	101.8	12500	12800	102.4	12500	12580	100.6
					7			8			9	
				12500	12720	101.8						
Magnesium	1000	1020	102.0		1			2			3	
				12500	12950	103.6	12500	12820	102.6	12500	12790	102.3
					4			5			6	
				12500	12790	102.3	12500	12900	103.2	12500	12770	102.2
					7			8			9	
				12500	12910	103.3						
Potassium	5000	4930	98.6		1			2			3	
				25000	25430	101.7	25000	25230	100.9	25000	25200	100.8
					4			5			6	
				25000	25090	100.4	25000	25300	101.2	25000	25230	100.9
					7			8			9	
				25000	25410	101.6						
Sodium	1000	965.4	96.5		1			2			3	
				12500	12790	102.3	12500	12710	101.7	12500	12720	101.8
					4			5			6	
				12500	12690	101.5	12500	12810	102.5	12500	12770	102.2
					7			8			9	
				12500	12900	103.2						

Metals - ICV & CCV %R Criteria = 90 - 110%, Classical Chemistry %R Criteria - ICV = 90 - 110%R, CCV = 80 - 120%R.

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

Initial and Continuing Calibration Verification Results

ICPMS-PE DRC-II Method: 200.8 Analysis Name: ICPMS Diss. Metals-2010

Sequence: 1108008 Work Order: C110616 Units: ug/L

Dissolved Analyte	Initial (ICV1, ICV2)			Continuing Calibration Verification Standards (CCVs)								
	True	Found	%R	True	Found	%R	True	Found	%R	True	Found	%R
Antimony	50.0	49.5	99.0		1			2			3	
				50.0	49.5	99.0	50.0	50.6	101.2	50.0	49.9	99.8
					4			5			6	
				50.0	50.4	100.8	50.0	50.1	100.2	50.0	51.1	102.2
					7			8			9	
				50.0	51.1	102.2						
Arsenic	50.0	50.5	101.0		1			2			3	
				50.0	48.3	96.6	50.0	49.2	98.4	50.0	49.7	99.4
					4			5			6	
				50.0	49.0	98.0	50.0	49.0	98.0	50.0	50.5	101.0
					7			8			9	
				50.0	49.3	98.6						
Barium	50.0	49.8	99.6		1			2			3	
				50.0	49.1	98.2	50.0	49.0	98.0	50.0	48.9	97.8
					4			5			6	
				50.0	50.0	100.0	50.0	49.7	99.4	50.0	50.1	100.2
					7			8			9	
				50.0	50.1	100.2						
Beryllium	50.0	50.2	100.4		1			2			3	
				50.0	46.4	92.8	50.0	46.7	93.4	50.0	46.1	92.2
					4			5			6	
				50.0	45.7	91.4	50.0	44.2	88.4	50.0	50.4	100.8
					7			8			9	
				50.0	43.7	87.4						
Cadmium	50.0	49.1	98.2		1			2			3	
				50.0	50.2	100.4	50.0	50.7	101.4	50.0	49.5	99.0
					4			5			6	
				50.0	49.2	98.4	50.0	49.3	98.6	50.0	50.4	100.8
					7			8			9	
				50.0	50.5	101.0						
Chromium	50.0	48.7	97.4		1			2			3	
				50.0	50.3	100.6	50.0	49.9	99.8	50.0	50.5	101.0
					4			5			6	
				50.0	49.5	99.0	50.0	48.7	97.4	50.0	49.7	99.4
					7			8			9	
				50.0	50.9	101.8						

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

Initial and Continuing Calibration Verification Results

ICPMS-PE DRC-II Method: 200.8 Analysis Name: ICPMS Diss. Metals-2010

Sequence: 1108008 Work Order: C110616 Units: ug/L

Dissolved Analyte	Initial (ICV1, ICV2)			Continuing Calibration Verification Standards (CCVs)								
	True	Found	%R	True	Found	%R	True	Found	%R	True	Found	%R
Cobalt	50.0	47.6	95.2		1			2			3	
				50.0	48.9	97.8	50.0	51.7	103.4	50.0	49.1	98.2
					4			5			6	
				50.0	52.2	104.4	50.0	51.3	102.6	50.0	47.5	95.0
					7			8			9	
				50.0	53.1	106.2						
Copper	50.0	49.8	99.6		1			2			3	
				50.0	51.4	102.8	50.0	51.9	103.8	50.0	52.7	105.4
					4			5			6	
				50.0	51.7	103.4	50.0	51.1	102.2	50.0	47.0	94.0
					7			8			9	
				50.0	54.5	109.0						
Lead	50.0	49.0	98.0		1			2			3	
				50.0	50.1	100.2	50.0	50.1	100.2	50.0	49.9	99.8
					4			5			6	
				50.0	52.5	105.0	50.0	53.5	107.0	50.0	51.4	102.8
					7			8			9	
				50.0	52.1	104.2						
Manganese	50.0	47.4	94.8		1			2			3	
				50.0	49.6	99.2	50.0	50.7	101.4	50.0	49.1	98.2
					4			5			6	
				50.0	51.4	102.8	50.0	52.2	104.4	50.0	48.8	97.6
					7			8			9	
				50.0	53.1	106.2						
Molybdenum	50.0	49.2	98.4		1			2			3	
				50.0	49.0	98.0	50.0	49.9	99.8	50.0	49.1	98.2
					4			5			6	
				50.0	48.2	96.4	50.0	48.0	96.0	50.0	50.1	100.2
					7			8			9	
				50.0	49.9	99.8						
Nickel	50.0	50.7	101.4		1			2			3	
				50.0	50.0	100.0	50.0	51.7	103.4	50.0	51.6	103.2
					4			5			6	
				50.0	52.9	105.8	50.0	51.3	102.6	50.0	48.2	96.4
					7			8			9	
				50.0	54.2	108.4						

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

Initial and Continuing Calibration Verification Results

ICPMS-PE DRC-II Method: 200.8 Analysis Name: ICPMS Diss. Metals-2010

Sequence: 1108008 Work Order: C110616 Units: ug/L

Dissolved Analyte	Initial (ICV1, ICV2)			Continuing Calibration Verification Standards (CCVs)								
	True	Found	%R	True	Found	%R	True	Found	%R	True	Found	%R
Selenium	250	250	100.0		1			2			3	
				50.0	46.5	93.0	50.0	50.4	100.8	50.0	48.9	97.8
					4			5			6	
				50.0	49.5	99.0	50.0	49.1	98.2	50.0	49.0	98.0
					7			8			9	
				50.0	48.7	97.4						
Silver	50.0	50.1	100.2		1			2			3	
				50.0	49.1	98.2	50.0	49.5	99.0	50.0	47.3	94.6
					4			5			6	
				50.0	47.5	95.0	50.0	47.5	95.0	50.0	49.7	99.4
					7			8			9	
				50.0	48.8	97.6						
Thallium	50.0	49.0	98.0		1			2			3	
				50.0	50.9	101.8	50.0	50.4	100.8	50.0	49.3	98.6
					4			5			6	
				50.0	51.7	103.4	50.0	52.7	105.4	50.0	51.6	103.2
					7			8			9	
				50.0	52.7	105.4						
Vanadium	50.0	51.0	102.0		1			2			3	
				50.0	50.8	101.6	50.0	49.9	99.8	50.0	50.5	101.0
					4			5			6	
				50.0	49.8	99.6	50.0	48.9	97.8	50.0	52.1	104.2
					7			8			9	
				50.0	52.0	104.0						
Zinc	50.0	49.7	99.4		1			2			3	
				50.0	50.9	101.8	50.0	51.8	103.6	50.0	52.2	104.4
					4			5			6	
				50.0	51.6	103.2	50.0	52.8	105.6	50.0	52.4	104.8
					7			8			9	
				50.0	52.0	104.0						

Metals - ICV & CCV %R Criteria = 90 - 110%, Classical Chemistry %R Criteria - ICV = 90 - 110%R, CCV = 80 - 120%R.

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

Initial and Continuing Calibration Verification Results

ICPMS-PE DRC-II Method: 200.8 Analysis Name: ICP-MS Tot. Rec. Metals-2010

Sequence: 1108012 Work Order: C110616 Units: ug/L

Total Recoverable Analyte	Initial (ICV1, ICV2)			Continuing Calibration Verification Standards (CCVs)								
	True	Found	%R	True	Found	%R	True	Found	%R	True	Found	%R
Antimony	50.0	49.68	99.4		1			2			3	
				50.0	49.62	99.2	50.0	50.07	100.1	50.0	49.74	99.5
					4			5			6	
				50.0	50.04	100.1						
					7			8			9	
Arsenic	50.0	50.54	101.1		1			2			3	
				50.0	50.46	100.9	50.0	52.25	104.5	50.0	51.07	102.1
					4			5			6	
				50.0	49.63	99.3						
					7			8			9	
Barium	50.0	50.88	101.8		1			2			3	
				50.0	49.79	99.6	50.0	50.97	101.9	50.0	50.13	100.3
					4			5			6	
				50.0	50.28	100.6						
					7			8			9	
Beryllium	50.0	47.53	95.1		1			2			3	
				50.0	51.38	102.8	50.0	48.69	97.4	50.0	46.91	93.8
					4			5			6	
				50.0	48.50	97.0						
					7			8			9	
Cadmium	50.0	50.11	100.2		1			2			3	
				50.0	51.09	102.2	50.0	50.14	100.3	50.0	50.17	100.3
					4			5			6	
				50.0	50.02	100.0						
					7			8			9	
Chromium	50.0	52.19	104.4		1			2			3	
				50.0	49.79	99.6	50.0	49.35	98.7	50.0	48.13	96.3
					4			5			6	
				50.0	48.64	97.3						
					7			8			9	

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

Initial and Continuing Calibration Verification Results

ICPMS-PE DRC-II Method: 200.8 Analysis Name: ICP-MS Tot. Rec. Metals-2010

Sequence: 1108012 Work Order: C110616 Units: ug/L

Total Recoverable Analyte	Initial (ICV1, ICV2)			Continuing Calibration Verification Standards (CCVs)								
	True	Found	%R	True	Found	%R	True	Found	%R	True	Found	%R
Cobalt	50.0	52.44	104.9		1			2			3	
				50.0	51.33	102.7	50.0	50.21	100.4	50.0	46.21	92.4
					4			5			6	
				50.0	47.60	95.2						
					7			8			9	
Copper	50.0	53.10	106.2		1			2			3	
				50.0	53.52	107.0	50.0	52.05	104.1	50.0	48.30	96.6
					4			5			6	
				50.0	49.90	99.8						
					7			8			9	
Lead	50.0	49.26	98.5		1			2			3	
				50.0	51.37	102.7	50.0	55.35	110.7	50.0	51.71	103.4
					4			5			6	
				50.0	52.63	105.3						
					7			8			9	
Manganese	50.0	52.18	104.4		1			2			3	
				50.0	49.99	100.0	50.0	50.29	100.6	50.0	45.72	91.4
					4			5			6	
				50.0	48.45	96.9						
					7			8			9	
Molybdenum	50.0	50.28	100.6		1			2			3	
				50.0	49.77	99.5	50.0	49.66	99.3	50.0	49.51	99.0
					4			5			6	
				50.0	48.70	97.4						
					7			8			9	
Nickel	50.0	53.26	106.5		1			2			3	
				50.0	52.60	105.2	50.0	50.06	100.1	50.0	46.72	93.4
					4			5			6	
				50.0	48.99	98.0						
					7			8			9	

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

Initial and Continuing Calibration Verification Results

ICPMS-PE DRC-II Method: 200.8 Analysis Name: ICP-MS Tot. Rec. Metals-2010

Sequence: 1108012 Work Order: C110616 Units: ug/L

Total Recoverable Analyte	Initial (ICV1, ICV2)			Continuing Calibration Verification Standards (CCVs)								
	True	Found	%R	True	Found	%R	True	Found	%R	True	Found	%R
Selenium	250	258.1	103.2		1			2			3	
				50.0	51.22	102.4	50.0	54.05	108.1	50.0	52.81	105.6
					4			5			6	
				50.0	49.85	99.7						
					7			8			9	
Silver	50.0	51.25	102.5		1			2			3	
				50.0	50.45	100.9	50.0	48.86	97.7	50.0	48.08	96.2
					4			5			6	
				50.0	48.69	97.4						
					7			8			9	
Thallium	50.0	48.68	97.4		1			2			3	
				50.0	49.63	99.3	50.0	54.21	108.4	50.0	51.39	102.8
					4			5			6	
				50.0	50.74	101.5						
					7			8			9	
Vanadium	50.0	51.70	103.4		1			2			3	
				50.0	48.80	97.6	50.0	48.88	97.8	50.0	47.52	95.0
					4			5			6	
				50.0	48.24	96.5						
					7			8			9	
Zinc	50.0	52.53	105.1		1			2			3	
				50.0	52.08	104.2	50.0	52.17	104.3	50.0	51.89	103.8
					4			5			6	
				50.0	51.75	103.5						
					7			8			9	

Metals - ICV & CCV %R Criteria = 90 - 110%, Classical Chemistry %R Criteria - ICV = 90 - 110%R, CCV = 80 - 120%R.

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

ICP Interference Check Sample

ICPMS-PE DRC-II

Analyte	Check Sample	Result*	Units	True	%R	PQL
Sequence: 1108008 Analysis: ICPMS Diss. Metals-2010						
Antimony	IFA1	0.0	ug/L			1.00
	IFB1	0.0	ug/L			1.00
Arsenic	IFA1	0.0	ug/L			2.00
	IFB1	19.3	ug/L	20	96	2.00
Barium	IFA1	0.2	ug/L			10.0
	IFB1	0.2	ug/L			10.0
Beryllium	IFA1	0.0	ug/L			0.200
	IFB1	0.0	ug/L			0.200
Cadmium	IFA1	0.0	ug/L			0.200
	IFB1	19.7	ug/L	20	98	0.200
Chromium	IFA1	0.3	ug/L			1.00
	IFB1	20.1	ug/L	20	100	1.00
Cobalt	IFA1	-0.1	ug/L			0.200
	IFB1	19.1	ug/L	20	96	0.200
Copper	IFA1	0.3	ug/L			1.00
	IFB1	20.3	ug/L	20	102	1.00
Lead	IFA1	-0.2	ug/L			0.200
	IFB1	-0.2	ug/L			0.200
Manganese	IFA1	-0.2	ug/L			0.500
	IFB1	19.0	ug/L	20	95	0.500
Molybdenum	IFA1	198.4	ug/L	200	99	0.200
	IFB1	200.3	ug/L	200	100	0.200
Nickel	IFA1	-0.1	ug/L			1.00
	IFB1	19.8	ug/L	20	99	1.00
Selenium	IFA1	0.1	ug/L			1.00
	IFB1	0.0	ug/L			1.00
Silver	IFA1	-0.1	ug/L			0.500
	IFB1	17.6	ug/L	20	88	0.500
Thallium	IFA1	0.0	ug/L			1.00
	IFB1	0.0	ug/L			1.00
Vanadium	IFA1	-0.1	ug/L			2.00
	IFB1	-0.4	ug/L			2.00
Zinc	IFA1	1.2	ug/L			5.00

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

ICP Interference Check Sample

ICPMS-PE DRC-II

Analyte	Check Sample	Result*	Units	True	%R	PQL
Sequence: 1108008	Analysis: ICPMS Diss. Metals-2010					
Zinc	IFB1	20.7	ug/L	20	103	5.00

*Criteria = 80-120%R of True Value or +/- PQL

See raw data for complete analyte list and results.

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

ICP Interference Check Sample

ICPMS-PE DRC-II

Analyte	Check Sample	Result*	Units	True	%R	PQL
Sequence: 1108012	Analysis: ICP-MS Tot. Rec. Metals-2010					
Antimony	IFA1	0.0	ug/L			1.00
	IFB1	0.0	ug/L			1.00
Arsenic	IFA1	-0.1	ug/L			2.00
	IFB1	20.0	ug/L	20	100	2.00
Barium	IFA1	0.2	ug/L			10.0
	IFB1	0.2	ug/L			10.0
Beryllium	IFA1	0.0	ug/L			0.200
	IFB1	0.0	ug/L			0.200
Cadmium	IFA1	0.0	ug/L			0.200
	IFB1	20.2	ug/L	20	101	0.200
Chromium	IFA1	0.3	ug/L			1.00
	IFB1	19.4	ug/L	20	97	1.00
Cobalt	IFA1	-0.1	ug/L			0.200
	IFB1	20.0	ug/L	20	100	0.200
Copper	IFA1	0.3	ug/L			1.00
	IFB1	20.8	ug/L	20	104	1.00
Lead	IFA1	-0.2	ug/L			0.200
	IFB1	-0.2	ug/L			0.200
Manganese	IFA1	-0.1	ug/L			0.500
	IFB1	19.5	ug/L	20	98	0.500
Molybdenum	IFA1	198.1	ug/L	200	99	0.200
	IFB1	205.8	ug/L	200	103	0.200
Nickel	IFA1	-0.1	ug/L			1.00
	IFB1	19.8	ug/L	20	99	1.00
Selenium	IFA1	0.0	ug/L			1.00
	IFB1	0.0	ug/L			1.00
Silver	IFA1	0.0	ug/L			0.500
	IFB1	17.9	ug/L	20	89	0.500
Thallium	IFA1	0.0	ug/L			1.00
	IFB1	0.0	ug/L			1.00
Vanadium	IFA1	-0.1	ug/L			2.00
	IFB1	-0.2	ug/L			2.00
Zinc	IFA1	0.9	ug/L			5.00

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

ICP Interference Check Sample

ICPMS-PE DRC-II

Analyte	Check Sample	Result*	Units	True	%R	PQL
Sequence: 1108012	Analysis: ICP-MS Tot. Rec. Metals-2010					
Zinc	IFB1	20.7	ug/L	20	104	5.00

*Criteria = 80-120%R of True Value or +/- PQL

See raw data for complete analyte list and results.

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

ICP Interference Check Sample

ICPOE - PE Optima

Analyte	Check Sample	Result*	Units	True	%R	PQL
Sequence: 1108005 Analysis: ICPOE Diss. Metals-2010						
Aluminum	IFA1	61,244.0	ug/L	60,000	102	50.0
	IFB1	61,436.6	ug/L	60,000	102	50.0
Calcium	IFA1	299,731.2	ug/L	300,000	100	250
	IFB1	298,862.9	ug/L	300,000	100	250
Iron	IFA1	228,206.5	ug/L	250,000	91	250
	IFB1	228,113.9	ug/L	250,000	91	250
Magnesium	IFA1	145,727.6	ug/L	150,000	97	250
	IFB1	146,447.9	ug/L	150,000	98	250
Potassium	IFA1	-81.2	ug/L			1000
	IFB1	21,096.2	ug/L	20,000	105	1000
Sodium	IFA1	52,479.8	ug/L	50,000	105	500
	IFB1	52,690.8	ug/L	50,000	105	500

*Criteria = 80-120%R of True Value or +/- PQL

See raw data for complete analyte list and results.

Sequence: 1108006 Analysis: ICPOE Tot. Rec Metals-2010						
Aluminum	IFA1	61,244.0	ug/L	60,000	102	50.0
	IFB1	61,436.6	ug/L	60,000	102	50.0
Calcium	IFA1	299,731.2	ug/L	300,000	100	250
	IFB1	298,862.9	ug/L	300,000	100	250
Iron	IFA1	228,206.5	ug/L	250,000	91	250
	IFB1	228,113.9	ug/L	250,000	91	250
Magnesium	IFA1	145,727.6	ug/L	150,000	97	250
	IFB1	146,447.9	ug/L	150,000	98	250
Potassium	IFA1	-81.2	ug/L			1000
	IFB1	21,096.2	ug/L	20,000	105	1000
Sodium	IFA1	52,479.8	ug/L	50,000	105	500
	IFB1	52,690.8	ug/L	50,000	105	500

*Criteria = 80-120%R of True Value or +/- PQL

See raw data for complete analyte list and results.

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

Detection Limit (PQL) Standard

ICPMS-PE DRC-II

Metals (Dissolved) by EPA 200/7000 Series Methods

Sequence: 1108008

Analyte	True	Found	%R	Units
Antimony	1.00	0.989	99	ug/L
Arsenic	2.00	2.00	100	ug/L
Barium	0.500	0.524	105	ug/L
Beryllium	0.200	0.219	109	ug/L
Cadmium	0.200	0.196	98	ug/L
Chromium	1.00	1.08	108	ug/L
Cobalt	0.200	0.217	108	ug/L
Copper	1.00	1.13	113	ug/L
Lead	0.200	0.190	95	ug/L
Manganese	0.200	0.204	102	ug/L
Molybdenum	0.200	0.182	91	ug/L
Nickel	1.00	1.11	111	ug/L
Selenium	1.00	0.910	91	ug/L
Silver	0.500	0.560	112	ug/L
Thallium	0.200	0.188	94	ug/L
Vanadium	2.00	2.18	109	ug/L
Zinc	5.00	5.20	104	ug/L

Recovery Control Limits: 70-130% except Pb, Tl, Sb, & Hg at 50-150%. No limits for Al, Ca, Fe, K, Mg & Na.

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

Detection Limit (PQL) Standard

ICPOE - PE Optima

Metals (Dissolved) by EPA 200/7000 Series Methods

Sequence: 1108005

Analyte	True	Found	%R	Units
Aluminum	100	103.1	103	ug/L
Calcium	250	264.3	106	ug/L
Iron	100	108.6	109	ug/L
Magnesium	1000	1093	109	ug/L
Potassium	1000	1094	109	ug/L
Sodium	1000	1098	110	ug/L

Recovery Control Limits: 70-130% except Pb, Tl, Sb, & Hg at 50-150%. No limits for Al, Ca, Fe, K, Mg & Na.

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

Detection Limit (PQL) Standard

ICPMS-PE DRC-II

Metals (Total Recov) by EPA 200/7000 Series Methods

Sequence: 1108012

Analyte	True	Found	%R	Units
Antimony	1.00	0.9720	97	ug/L
Arsenic	2.00	1.988	99	ug/L
Barium	0.500	0.5765	115	ug/L
Beryllium	0.200	0.2448	122	ug/L
Cadmium	0.200	0.2082	104	ug/L
Chromium	1.00	0.8609	86	ug/L
Cobalt	0.200	0.1977	99	ug/L
Copper	1.00	1.065	106	ug/L
Lead	0.200	0.1679	84	ug/L
Manganese	0.200	0.1621	81	ug/L
Molybdenum	0.200	0.1870	93	ug/L
Nickel	1.00	1.027	103	ug/L
Selenium	1.00	0.9510	95	ug/L
Silver	0.500	0.6188	124	ug/L
Thallium	0.200	0.1936	97	ug/L
Vanadium	2.00	1.941	97	ug/L
Zinc	5.00	5.184	104	ug/L

Recovery Control Limits: 70-130% except Pb, Tl, Sb, & Hg at 50-150%. No limits for Al, Ca, Fe, K, Mg & Na.

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw, Inc. - ESAT Region 8

Detection Limit (PQL) Standard

ICPOE - PE Optima

Metals (Total Recov) by EPA 200/7000 Series Methods

Sequence: 1108006

Analyte	True	Found	%R	Units
Aluminum	100	103.1	103	ug/L
Calcium	250	264.3	106	ug/L
Iron	100	108.6	109	ug/L
Magnesium	1000	1093	109	ug/L
Potassium	1000	1094	109	ug/L
Sodium	1000	1098	110	ug/L

Recovery Control Limits: 70-130% except Pb, Tl, Sb, & Hg at 50-150%. No limits for Al, Ca, Fe, K, Mg & Na.

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: EPA 300.0 **Dissolved** **Sequence ID#:** 1107120

Instrument ID #: ESAT Dionex IC Water **LSR #:** DG-264

Analysis ID	Sample Name	Analysis Date	Analysis Time
1107120-ICV1	Initial Cal Check	07/15/11	11:49
1107120-ICB1	Initial Cal Blank	07/15/11	12:06
1107063-BLK1	Blank	07/15/11	14:16
1107063-BS1		07/15/11	15:26
1107063-DUP1	Duplicate	07/15/11	16:01
1107063-MS1	Matrix Spike	07/15/11	16:19
1107063-MSD1	Matrix Spike Dup	07/15/11	16:36
C110616-02	Argentine Shaft Tunnel	07/15/11	17:29
1107120-CCV1	Calibration Check	07/15/11	18:22
1107120-CCB1	Calibration Blank	07/15/11	18:39
C110616-11	DR-7	07/15/11	19:14
C110616-14	SC-068	07/15/11	19:32
C110616-17	SC-1131	07/15/11	19:50
C110616-20	SC-198	07/15/11	20:07
C110616-23	SC-351	07/15/11	20:25
C110616-26	SC-404	07/15/11	20:42
C110616-29	SC-4040	07/15/11	21:00
C110616-32	SC-493	07/15/11	21:17
C110616-35	SC-699	07/15/11	21:35
1107120-CCV2	Calibration Check	07/15/11	21:53
1107120-CCB2	Calibration Blank	07/15/11	22:10
C110616-38	SC-895	07/15/11	22:28
C110616-41	SC-B	07/15/11	22:45
C110616-44	SCEF	07/15/11	23:03
1107120-CCV3	Calibration Check	07/15/11	23:56
1107120-CCB3	Calibration Blank	07/16/11	00:13
1107120-CCV4	Calibration Check	07/18/11	09:57
1107120-CCB4	Calibration Blank	07/18/11	10:59
C110616-05	Argentine Tunnel Main	07/18/11	11:17
C110616-08	DR-3	07/18/11	11:34
C110616-47	SVS-12	07/18/11	11:52
1107120-CCV5	Calibration Check	07/18/11	12:10
1107120-CCB5	Calibration Blank	07/18/11	12:27

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 200.7 **Dissolved** **Sequence ID#:** 1108005

Instrument ID #: ICPOE - PE Optima Water **LSR #:** DG-264

Analysis ID	Sample Name	Analysis Date	Analysis Time
1108005-ICV1	Initial Cal Check	08/01/11	09:50
1108005-ICB1	Initial Cal Blank	08/01/11	09:53
1108005-CRL1	Instrument RL Check	08/01/11	09:56
1108005-IFA1	Interference Check A	08/01/11	09:59
1108005-IFB1	Interference Check B	08/01/11	10:02
1108005-CCV1	Calibration Check	08/01/11	10:07
1108005-CCB1	Calibration Blank	08/01/11	10:10
1108003-BLK1	Blank	08/01/11	10:13
1108003-BS1		08/01/11	10:16
C110616-07	DR-3	08/01/11	10:19
1108003-DUP1	Duplicate	08/01/11	10:23
1108005-SRD1	Serial Dilution	08/01/11	10:27
1108003-MS1	Matrix Spike	08/01/11	10:30
1108003-MSD1	Matrix Spike Dup	08/01/11	10:34
C110616-01	Argentine Shaft Tunnel	08/01/11	10:38
1108005-CCV2	Calibration Check	08/01/11	10:49
1108005-CCB2	Calibration Blank	08/01/11	10:52
C110616-10	DR-7	08/01/11	10:55
C110616-13	SC-068	08/01/11	10:58
C110616-16	SC-1131	08/01/11	11:01
C110616-19	SC-198	08/01/11	11:04
C110616-22	SC-351	08/01/11	11:07
C110616-25	SC-404	08/01/11	11:10
C110616-28	SC-4040	08/01/11	11:13
C110616-31	SC-493	08/01/11	11:16
C110616-34	SC-699	08/01/11	11:19
1108005-CCV3	Calibration Check	08/01/11	11:25
1108005-CCB3	Calibration Blank	08/01/11	11:29
C110616-37	SC-895	08/01/11	11:32
C110616-40	SC-B	08/01/11	11:35
C110616-43	SCEF	08/01/11	11:38
1108005-CCV4	Calibration Check	08/01/11	12:04
1108005-CCB4	Calibration Blank	08/01/11	12:07
1108005-CCV5	Calibration Check	08/01/11	12:42
1108005-CCB5	Calibration Blank	08/01/11	12:45
1108005-CCV6	Calibration Check	08/01/11	13:19
1108005-CCB6	Calibration Blank	08/01/11	13:22
C110616-04	Argentine Tunnel Main	08/01/11	13:24
C110616-46	SVS-12	08/01/11	13:27
1108005-CCV7	Calibration Check	08/01/11	13:34
1108005-CCB7	Calibration Blank	08/01/11	13:37

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 200.7 **Total Recoverable** **Sequence ID#:** 1108006

Instrument ID #: ICPOE - PE Optima Water **LSR #:** DG-264

Analysis ID	Sample Name	Analysis Date	Analysis Time
1108006-ICV1	Initial Cal Check	08/01/11	09:50
1108006-ICB1	Initial Cal Blank	08/01/11	09:53
1108006-CRL1	Instrument RL Check	08/01/11	09:56
1108006-IFA1	Interference Check A	08/01/11	09:59
1108006-IFB1	Interference Check B	08/01/11	10:02
1108006-CCV1	Calibration Check	08/01/11	10:07
1108006-CCB1	Calibration Blank	08/01/11	10:10
1108006-CCV2	Calibration Check	08/01/11	10:49
1108006-CCB2	Calibration Blank	08/01/11	10:52
1108006-CCV3	Calibration Check	08/01/11	11:25
1108006-CCB3	Calibration Blank	08/01/11	11:29
1107126-SRM1	Reference	08/01/11	11:48
C110616-03	Argentine Shaft Tunnel	08/01/11	11:51
1107126-DUP1	Duplicate	08/01/11	11:55
1108006-SRD1	Serial Dilution	08/01/11	11:58
1108006-CCV4	Calibration Check	08/01/11	12:04
1108006-CCB4	Calibration Blank	08/01/11	12:07
1107126-MS1	Matrix Spike	08/01/11	12:10
1107126-MSD1	Matrix Spike Dup	08/01/11	12:13
1107126-PS1	Post Spike	08/01/11	12:16
C110616-06	Argentine Tunnel Main	08/01/11	12:19
C110616-09	DR-3	08/01/11	12:22
C110616-12	DR-7	08/01/11	12:26
C110616-15	SC-068	08/01/11	12:29
C110616-18	SC-1131	08/01/11	12:32
C110616-21	SC-198	08/01/11	12:35
1108006-CCV5	Calibration Check	08/01/11	12:42
1108006-CCB5	Calibration Blank	08/01/11	12:45
C110616-24	SC-351	08/01/11	12:48
C110616-27	SC-404	08/01/11	12:51
C110616-30	SC-4040	08/01/11	12:54
C110616-33	SC-493	08/01/11	12:57
C110616-36	SC-699	08/01/11	13:00
C110616-39	SC-895	08/01/11	13:03
C110616-42	SC-B	08/01/11	13:06
C110616-45	SCEF	08/01/11	13:09
C110616-48	SVS-12	08/01/11	13:12
1108006-CCV6	Calibration Check	08/01/11	13:19
1108006-CCB6	Calibration Blank	08/01/11	13:22
1107126-BLK1	Blank	08/01/11	13:31
1108006-CCV7	Calibration Check	08/01/11	13:34
1108006-CCB7	Calibration Blank	08/01/11	13:37

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 Certificate of Analysis

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 200.8 Dissolved Sequence ID#: 1108008

Instrument ID #: ICPMS-PE DRC-II Water LSR #: DG-264

Analysis ID	Sample Name	Analysis Date	Analysis Time
1108008-ICV1	Initial Cal Check	08/01/11	10:58
1108008-ICB1	Initial Cal Blank	08/01/11	11:01
1108008-CRL1	Instrument RL Check	08/01/11	11:04
1108008-IFA1	Interference Check A	08/01/11	11:07
1108008-IFB1	Interference Check B	08/01/11	11:10
1108008-CCV1	Calibration Check	08/01/11	11:13
1108008-CCB1	Calibration Blank	08/01/11	11:16
1108008-CCV2	Calibration Check	08/01/11	11:47
1108008-CCB2	Calibration Blank	08/01/11	11:50
1108008-CCV3	Calibration Check	08/01/11	12:21
1108008-CCB3	Calibration Blank	08/01/11	12:24
1108008-CCV4	Calibration Check	08/01/11	12:56
1108008-CCB4	Calibration Blank	08/01/11	12:59
1108004-BLK1	Blank	08/01/11	13:04
C110616-01	Argentine Shaft Tunnel	08/01/11	13:07
1108004-DUP1	Duplicate	08/01/11	13:10
1108008-SRD1	Serial Dilution	08/01/11	13:13
1108004-BS1		08/01/11	13:15
1108004-MS1	Matrix Spike	08/01/11	13:18
1108004-MSD1	Matrix Spike Dup	08/01/11	13:21
C110616-07	DR-3	08/01/11	13:27
1108008-CCV5	Calibration Check	08/01/11	13:32
1108008-CCB5	Calibration Blank	08/01/11	13:35
C110616-10	DR-7	08/01/11	13:38
C110616-13	SC-068	08/01/11	13:41
C110616-16	SC-1131	08/01/11	13:44
C110616-19	SC-198	08/01/11	13:47
C110616-22	SC-351	08/01/11	13:49
C110616-25	SC-404	08/01/11	13:52
C110616-28	SC-4040	08/01/11	13:55
C110616-31	SC-493	08/01/11	13:58
C110616-34	SC-699	08/01/11	14:01
1108008-CCV6	Calibration Check	08/01/11	14:06
1108008-CCB6	Calibration Blank	08/01/11	14:09
C110616-37	SC-895	08/01/11	14:12
C110616-40	SC-B	08/01/11	14:15
C110616-43	SCEF	08/01/11	14:18
C110616-46	SVS-12	08/01/11	14:21
C110616-04	Argentine Tunnel Main	08/01/11	14:26
1108008-CCV7	Calibration Check	08/01/11	14:41
1108008-CCB7	Calibration Blank	08/01/11	14:44

Project Name: Rico-Argentine_Surface Waters_JUN 2011_D264 **Certificate of Analysis**

TDF #: DG-264

TechLaw Inc., ESAT Region 8

INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: 200.8 **Total Recoverable** **Sequence ID#:** 1108012

Instrument ID #: ICPMS-PE DRC-II Water **LSR #:** DG-264

Analysis ID	Sample Name	Analysis Date	Analysis Time
1108012-ICV1	Initial Cal Check	08/02/11	10:30
1108012-ICB1	Initial Cal Blank	08/02/11	10:33
1108012-CRL1	Instrument RL Check	08/02/11	10:36
1108012-IFA1	Interference Check A	08/02/11	10:39
1108012-IFB1	Interference Check B	08/02/11	10:42
1108012-CCV1	Calibration Check	08/02/11	10:45
1108012-CCB1	Calibration Blank	08/02/11	10:48
1107126-BLK2	Blank	08/02/11	10:51
C110616-03	Argentine Shaft Tunnel	08/02/11	10:54
1107126-DUP2	Duplicate	08/02/11	10:57
1108012-SRD1	Serial Dilution	08/02/11	11:00
1107126-SRM2	Reference	08/02/11	11:02
1107126-MS2	Matrix Spike	08/02/11	11:05
1107126-MSD2	Matrix Spike Dup	08/02/11	11:08
1107126-PS2	Post Spike	08/02/11	11:11
C110616-06	Argentine Tunnel Main	08/02/11	11:14
1108012-CCV2	Calibration Check	08/02/11	11:19
1108012-CCB2	Calibration Blank	08/02/11	11:22
C110616-09	DR-3	08/02/11	11:25
C110616-12	DR-7	08/02/11	11:28
C110616-15	SC-068	08/02/11	11:31
C110616-18	SC-1131	08/02/11	11:34
C110616-21	SC-198	08/02/11	11:36
C110616-24	SC-351	08/02/11	11:39
C110616-27	SC-404	08/02/11	11:42
C110616-30	SC-4040	08/02/11	11:45
C110616-33	SC-493	08/02/11	11:48
1108012-CCV3	Calibration Check	08/02/11	12:07
1108012-CCB3	Calibration Blank	08/02/11	12:10
C110616-36	SC-699	08/02/11	12:13
C110616-39	SC-895	08/02/11	12:16
C110616-42	SC-B	08/02/11	12:19
C110616-45	SCEF	08/02/11	12:22
C110616-48	SVS-12	08/02/11	12:25
1108012-CCV4	Calibration Check	08/02/11	12:30
1108012-CCB4	Calibration Blank	08/02/11	12:33