

Sample ID	Lab	Job #	Sample Date	Paste pH	ANP tCaCO3/Kt	AGP (Sulfide) tCaCO3/Kt	AGP (Total S - SO4) tCaCO3/Kt	NNP (Sulfide) tCaCO3/Kt	NP:AP (Sulfide)	Non-Ext S %	Pyritic Sulfide Sulfur %	Sulfate Sulfur %	Total Sulfur %	Total Sulfur - Sulfate Sulfur %
Tv001 A	McClelland	3131/6773	late 06	7.76	41.2	35	35.00	6.20	1.18	<0.01	1.12	0.01	1.13	1.12
Tv002 A	McClelland	3131/6773	late 06	7.85	35.4	33.8	33.75	1.60	1.05	<0.01	1.08	0.31	1.39	1.08
Tmbx002 A	McClelland	3131/6773	late 06	7.04	<0.03	3.1	3.13	-3.09	0.00	<0.01	0.1	0.27	0.37	0.10
Tmbx005 A	McClelland	3131/6773	late 06	4.95	<0.03	10	10.63	-9.99	0.00	0.02	0.32	0.78	1.12	0.34
2216-40	McClelland	3289/7261	14-07-08	3.89	0.3	25.00	25.00	-24.70	0.01	<0.01	0.80	0.48	1.28	0.80
2202-26	McClelland	3289/7261	14-07-08	7.08	3.2	3.13	3.13	0.08	1.02	<0.01	0.10	0.13	0.23	0.10
2188-29-126	McClelland	3289/7261	14-07-08	7.06	39.9	21.56	21.56	18.34	1.85	<0.01	0.69	0.36	1.05	0.69
2188-38-41	McClelland	3289/7261	14-07-08	6.72	9.3	23.44	23.44	-14.14	0.40	<0.01	0.75	0.16	0.91	0.75
2195-45-085	McClelland	3289/7261	14-07-08	5.37	0.3	2.19	2.19	-1.89	0.14	<0.01	0.07	0.14	0.21	0.07
2188-32-093	McClelland	3289/7261	14-07-08	6.60	3.7	0.94	0.94	2.76	3.95	<0.01	0.03	0.08	0.11	0.03
2188-37	McClelland	3289/7261	14-07-08	8.12	108	5.31	5.31	102.69	20.33	<0.01	0.17	0.12	0.29	0.17
2188 32 28	McClelland	3289/7343	15-10-08	8.07	100	20.31	20.63	79.69	4.92	0.01	0.65	0.23	0.89	0.66
2195 58 26	McClelland	3289/7343	15-10-08	5.08	3.6	1.56	1.56	2.04	2.30	0.01	0.05	0.03	0.08	0.05

Non PAG	NNP >20 or NPR >3
Uncertain	20 > NNP > -20 or 3> NPR >1
PAG	NNP < -20 or NPR < 1

* Calculations done using half the detection limit in cases where the result is non-detectable

Field Columns, Laboratory Analysis

Sample ID	Tv001 A	Tv002 A	Tmbx002 A	Tmbx005 A	2216-40	2202-26	2188-29-126	2188-38-41	2195-45-85	2188-32-93	2188-37	2188-32-28	2195-58-26	2174-63-005	2174-65-025	2160-10-058
Sample Date	late 2006	late 2006	late 2006	late 2006	14/07/2008	14/07/2008	14/07/2008	14/07/2008	14/07/2008	14/07/2008	14/07/2008	15/10/2008	15/10/2008	28/01/2009	28/01/2009	28/01/2009
Lab	McClelland	McClelland	McClelland	McClelland	McClelland	McClelland	McClelland	McClelland	McClelland	McClelland	McClelland	McClelland	McClelland	McClelland	McClelland	McClelland
Lab Job #	3131/6773	3131/6773	3131/6773	3131/6773	3289/7261	3289/7261	3289/7261	3289/7261	3289/7261	3289/7261	3289/7261	3289/7343	3289/7343	3289	3289	3289
Metal (mg/kg)																
Ag	1.82	1.27	0.42	0.84	1.60	0.73	10.75	0.86	1.84	4.38	0.56	0.28	0.44	0.52	34.10	17.40
Al	66,300	69,600	81,200	81,000	71,100	71,000	57,900	74,000	70,100	62,500	83,600	73,800	62,500	69100	55800	66300
As	14	12	31	13	18	6	33	21	27	34	3	3	5	4	20	52
Ba	710	650	940	1280	610	980	450	750	620	860	740	470	710	390	340	570
Be	1.76	1.77	1.01	1.07	1.98	1.39	1.38	1.73	1.39	1.56	1.27	1.05	2.37	2.82	1.22	1.61
Bi	0.14	0.16	0.05	0.01	0.17	0.04	0.11	0.05	0.02	0.05	0.62	0.07	0.14	0.23	0.16	0.08
Ca	20,000	16,800	3,300	2,100	900	2,800	16,600	5,500	1,100	3,100	41,400	44,400	1,500	2200	400	33400
Cd	0.15	0.15	0.03	0.03	0.35	0.05	0.67	0.16	0.04	0.09	0.14	0.15	0.74	0.09	0.30	0.07
Ce	57.7	69.0	39.8	86.5	62.3	32.9	29.9	41.5	24.2	33.1	30.4	29.0	47.5	39.4	24.2	40.0
Co	5.5	7.1	1.1	1.2	8.5	6.7	9.1	11.7	2.8	3.8	22.1	21.9	3.7	7.9	16.9	12.1
Cr	15	20	6	7	21	15	15	17	18	26	26	25	14	19	34	37
Cs	0.90	0.94	1.48	1.05	2.41	2.14	2.09	2.67	2.11	1.71	3.65	1.79	1.96	1.79	0.66	0.67
Cu	8.8	12.0	9.5	7.2	5.0	6.4	10.2	8.6	8.1	14.5	14.5	18.7	7.5	4.1	6.7	11.7
Fe	20,800	23,400	27,700	42,600	16,500	32,100	16,100	36,500	21,200	26,800	49,700	49,300	18,100	21600	12100	30700
Ga	13.5	15.2	18.4	18.5	16.8	17.2	14.7	17.1	16.0	13.1	19.7	18.2	15.5	15.3	11.9	16.4
Ge	0.10	0.10	0.09	0.13	0.13	0.11	0.12	0.13	0.11	0.10	0.15	0.13	0.10	0.07	0.06	0.13
Hf	1.6	1.4	3.9	4.1	3.1	4.0	2.3	3.5	3.0	3.1	2.8	2.3	2.6	1.8	2.0	3.4
Hg	0.02	0.01	0.01	0.01	0.15	0.03	0.34	0.07	0.08	0.34	0.01	<0.1	0.12	0.30	2.12	0.05
In	0.037	0.038	0.046	0.052	0.036	0.034	0.033	0.039	0.024	0.035	0.056	0.049	0.028	0.029	0.027	0.034
K	40,800	42,500	31,500	37,400	28,000	26,400	26,200	28,000	36,700	33,800	22,400	15,400	24,100	24000	22900	38100
La	29.8	35.2	19.0	39.4	30.0	15.1	13.4	20.8	12.7	17.1	14.9	13.9	24.1	20.5	12.2	20.4
Li	8.7	9.7	7.8	3.4	4.1	6.9	4.3	11.8	5.2	11.6	26.0	20.5	8.2	9.2	8.8	15.5
Mg	5,600	7,000	3,400	4,600	4,900	4,700	3,500	8,500	3,600	3,100	19,400	14,000	4,200	3200	1600	12900
Mn	594	597	53	59	94	313	228	449	172	197	1,050	967	1,080	406	52	974
Mo	3.93	2.99	0.29	0.11	1.19	0.71	1.57	0.64	0.76	1.36	0.44	0.52	1.18	1.52	23.00	1.75
Na	9,600	10,600	6,100	7,900	200	5,000	200	1,100	900	600	1,200	5,400	200	200	300	1000
Nb	10.7	12.7	8.6	8.8	8.8	7.7	7.2	8.0	7.7	6.6	4.8	4.9	9.1	7.9	7.5	7.4
Ni	8.3	13.6	1.5	0.6	4.8	3.4	4.4	7.5	3.0	3.9	12.8	11.5	4.4	5.2	6.2	2.5
P	460	560	890	1150	490	860	280	1230	520	670	730	730	420	540	40	770
Pb	16.2	15.1	9.9	9.5	16.4	11.1	12.9	12.7	9.1	8.6	10.4	7.1	13.8	15.1	15.7	9.3
Rb	133.5	139.0	105.0	135.0	102.0	83.7	80.1	89.4	130.0	102.0	94.7	52.6	97.1	81.3	75.7	122.0
Re	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	<0.002	<0.002	<0.002	0.002	<0.002
S total	13,200	15,000	3,900	12,400	11,400	2,500	9,900	9,400	2,200	1,300	3,400	10,700	1,000	13700	10700	15300
Sb	0.77	0.58	1.02	0.97	1.22	1.15	1.62	1.47	1.35	2.26	0.54	0.94	1.07	1.16	1.97	1.08
Sc					7	10	7	10	10	8	20	18	5.9	5	5	9
Se	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
Sn	1.7	2.1	1.4	1.5	1.8	1.2	1.4	1.3	1.0	1.3	1.4	1.0	1.7	1.5	1.5	1.8
Sr	337	306	197	189	111	221	119	94	89	170	109	193	23.3	14	76	117
Ta	0.92	104.00	0.67	0.65	0.69	0.56	0.54	0.56	0.54	0.48	0.31	0.32	0.69	0.69	0.63	0.53
Te	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Th	10.3	9.9	6.4	6.8	8.5	6.0	4.9	5.5	5.1	5.1	3.2	2.6	8.4	7.7	6.5	5.4
Ti	2,140	2,590	4,250	4,430	2,450	3,400	2,410	3,380	3,290	2,810	4,600	4,590	2,100	2050	1910	3280
Tl	1.26	1.17	1.19	1.36	0.94	0.62	0.97	0.83	1.26	1.24	0.69	0.47	0.72	0.54	0.90	1.15
U	1.9	1.8	2.1	2.0	2.5	1.9	1.5	1.7	1.4	1.4	0.9	0.8	2.4	2.0	1.9	1.6
V	42	53	91	90	52	93	60	84	85	77	167	150	36	37	41	82
W	0.9	0.9	0.6	0.9	0.5	0.9	0.8	0.7	0.8	0.8	0.6	1.5	1.6	1.2	0.6	0.9
Y	12.3	13.6	14.3	14.6	16.3	11.9	15.6	13.9	8.6	10.4	16.2	14.9	27.8	12.7	11.1	14.4
Zn	57	57	16	13	62	53	41	88	29	79	96	84	70	74	31	67
Zr	39.9	34.5	131.0	140.5	89.9	141.5	72.9	126.0	99.5	108.0	100.5	83.7	80.9	50.7	62.6	126.5

Classical Whole Rock (CWR-XRF) Results
Field Columns Samples, Minus 150m Pulverized Feeds
Field Columns Sample

Major Metal Oxide, %	Tv001 A	Tv002 - a	Tmbx002 - a	Tmbx005 - a	2216-40	2202-26	2188-29-126	2188-38-41	2195-45-85	2188-32-93	2188-37	2188-32-28	2195-58-26	2174-63-005	2174-65-025	2160-10-058
Al ₂ O ₃	12.48	13.02	16.02	15.12	15.58	15.27	13.64	16.50	15.28	13.30	16.98	16.19	13.35	14.23	11.47	13.40
BaO	0.08	0.07	0.11	0.14	0.08	0.13	0.06	0.10	0.08	0.11	0.10	0.05	0.07	0.04	0.03	0.06
CaO	2.57	2.16	0.44	0.30	0.13	0.40	2.50	0.87	0.14	0.42	6.16	6.40	0.19	0.29	0.03	4.76
Cr ₂ O ₃	0.01	0.01	0.04	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.02	<0.01	<0.01	0.01	0.01	0.01
Fe ₂ O ₃	2.91	3.24	4.12	5.69	2.40	4.63	2.42	5.53	3.12	3.90	7.55	7.72	2.66	3.04	1.73	4.56
K ₂ O	4.93	5.04	4.02	4.40	3.73	3.45	3.50	3.70	4.95	4.48	2.83	1.96	3.03	3.01	2.96	4.77
MgO	1.00	1.19	0.66	0.82	0.98	0.94	0.80	1.75	0.75	0.64	3.66	2.64	0.80	0.63	0.36	2.41
MnO	0.07	0.07	0.01	0.01	0.02	0.04	0.03	0.06	0.03	0.03	0.15	0.13	0.15	0.06	0.01	0.14
Na ₂ O	1.28	1.36	0.85	1.02	0.05	0.70	0.05	0.22	0.14	0.09	0.15	0.74	0.05	0.04	0.06	0.14
P ₂ O ₅	0.10	0.12	0.19	0.23	0.12	0.20	0.07	0.28	0.13	0.16	0.17	0.17	0.10	0.13	0.02	0.18
SiO ₂	68.70	67.65	63.04	59.97	70.22	64.38	69.51	62.21	68.34	69.88	50.00	50.87	74.13	71.75	77.38	59.84
SrO	0.04	0.04	0.02	0.02	0.02	0.03	0.01	0.01	0.02	0.02	0.01	0.02	<0.01	0.01	0.02	0.02
TiO ₂	0.36	0.43	0.76	0.70	0.44	0.64	0.45	0.66	0.63	0.53	0.86	0.86	0.37	0.38	0.36	0.59
Loss On Ignition	3.62	3.76	7.93	10.00	5.40	8.02	5.93	7.79	5.93	5.37	9.84	10.40	4.53	4.87	3.99	7.51
Total	98.15	98.15	98.21	98.42	99.19	98.84	99.01	99.71	99.55	98.95	98.49	98.15	99.43	98.48	98.42	98.38

Mes	Unidades	Guía IFC	MARN	Dic-06	Jun-07	Jul-07	Ago-07	Sep-07	Oct-07	May-08	Jun-08	Jul-08	Sep-08	Oct-08
Laboratorio				ACZ	SVL	SVL	SVL	SVL	SVL	SVL	SVL	SVL	SVL	SVL
Job # del Laboratorio					129944						W803799	W804441	W805269	W8J0322
Fecha de Muestreo					12-Jun-2007						3-Jul-08	30-Jul-2008	3-Sep-2008	2-Oct-2008
pH del campo	pH	6 - 9	6 - 9	NA	7.91	8.04	7.99	8.31	NA	7.74				
pH - lab	pH	6 - 9	6 - 9	8.00	7.39	7.65	7.18	6.93	7.15	7.76	7.83	7.90	7.78	6.72
Temp del campo	°C			NA	20.22	20.27	25.76	22.64	NA	20.26				
Conductividad del campo	uS/cm			NA	1064.00	1762.00	1370.00	837.00	NA	647.00				
Conductividad - lab @ 25°C	umhos/cm			NA	1540.00	1300.00	1900.00	1100.00	840.00	810.00	470.00	440.00	440.00	310.00
Oxígeno Disuelto del campo	ppm			NA	5.74	5.95	5.26	5.70	NA	5.17				
Acidez Total	mg/L			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alcalinidad Total	mg/L			70.00	40.00	26.50	32.00	29.40	37.70	48.40	55.00	49.70	57.60	46.30
Bicarbonato como CaCO3	mg/L			70.00	40.00	26.50	32.00	29.40	37.70	48.40	55.00	49.70	57.60	46.30
Carbonato como CaCO3	mg/L			<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hidróxido como CaCO3	mg/L			<2.0	<1.0	<1.0	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0
Cloruros	mg/L			10.00	2.180	1.260	1.990	0.737	0.412	0.769	0.565	0.441	1.210	0.207
Fluoruros	mg/L			0.40	0.600	0.409	0.594	0.429	0.252	0.370	0.308	0.314	0.187	0.247
Fosforo Total	mg/L			0.03	NA	NA	NA	NA	NA	0.099	0.050	<0.050	<0.050	<0.050
Nitritos/Nitratos como N	mg/L			73.30	159.00	141.00	175.00	90.00	52.00	33.00	15.20	11.80	6.31	3.30
Sulfatos como SO4	mg/L			90.00	132.00	118.00	286.00	167.00	184.00	288.00	129.00	149.00	124.00	86.40
Sólidos Disueltos Totales @180°C	mg/L			620.00	1370.00	1200.00	1400.00	580.00	650.00	600.00	340.00	340.00	260.00	180.00
Aluminio Total	mg/L			<0.03	<0.08	<0.08	<0.08	<0.08	<0.08	0.200	<0.08	<0.08	<0.08	<0.08
Antimonio Total	mg/L			<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsénico Total	mg/L	0.1	0.1	0.007	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Bario Total	mg/L			0.027	0.137	0.082	0.098	0.045	0.035	0.043	0.035	0.0296	0.0298	0.0216
Berilio Total	mg/L			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bismuto Total	mg/L			<0.1	<0.06	<0.06	<0.06	<0.06	<0.06	NA	NA	NA	NA	NA
Boro Total	mg/L			0.190	0.101	0.061	0.141	0.052	0.049	0.066	0.043	<0.040	<0.040	<0.040
Cadmio Total	mg/L	0.05	0.1	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Calcio Total	mg/L			103.000	221.00	182.00	289.00	152.00	113.00	120.00	66.80	64.80	60.40	41.80
Cobalto Total	mg/L	</												

Sample TV002-A

Mes	Unidades	Guía IFC	MARN	Dic-06	Jun-07	Jul-07	Ago-07	Sep-07	Oct-07	May-08	Jun-08	Jul-08	Sep-08	Oct-08
Laboratorio				ACZ	SVL	SVL	SVL	SVL	SVL	SVL	SVL	SVL	SVL	SVL
Job # del Laboratorio					129944						W803799	W804441	W805269	W8J0322
Fecha de Muestreo					12-Jun-07						03-Jul-08	29-Jul-08	03-Sep-08	02-Oct-08
pH del campo	pH	6 - 9		NA	8.27	8.08	8.32	8.08	NA	7.74				
pH - lab	pH	6 - 9	6 - 9	8.00	7.47	7.73	7.40	6.99	7.18	7.63	7.83	7.88	7.38	6.81
Temp del campo	°C			NA	20.31	21.41	21.76	21.02	NA	20.24				
Conductividad del campo	uS/cm			NA	674.00	1158.00	1154.00	769.50	NA	818.00				
Conductividad - lab @ 25 °C	umhos/cm			NA	988.00	950.00	1400.00	850.00	900.00	1000.00	550.00	500.00	440.00	360.00
Oxígeno Disuelto del campo	ppm			NA	5.65	6.02	6.19	5.65	NA	5.14				
Acidez Total	mg/L			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alcalinidad Total	mg/L			62.00	45.60	32.70	36.30	30.40	39.60	44.40	49.40	47.80	42.80	48.60
Bicarbonato como CaCO3	mg/L			62.00	45.60	32.70	36.30	30.40	39.60	44.40	49.40	47.80	42.80	48.60
Carbonato como CaCO3	mg/L			<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hidróxido como CaCO3	mg/L			<2.0	<1.0	<1.0	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0
Cloruros	mg/L			9.00	1.680	1.060	0.943	0.710	0.529	1.420	0.748	0.743	0.926	0.385
Fluoruros	mg/L			0.20	0.620	0.445	0.536	0.385	0.245	0.408	0.347	0.387	0.205	0.262
Fosforo Total	mg/L			0.02	NA	NA	NA	NA	NA	0.205	0.075	<0.05	<0.05	<0.05
Nitritos/Nitratos como N	mg/L			24.30	69.90	74.00	98.90	71.90	53.70	46.30	20.50	15.20	7.46	4.05
Sulfatos como SO ₄	mg/L			60.00	169.00	148.00	250.00	170.00	209.00	390.00	160.00	169.00	133.00	106.00
Sólidos Disueltos Totales @180	mg/L			370.00	767.00	790.00	990.00	590.00	690.00	760.00	400.00	370.00	250.00	220.00
Aluminio Total	mg/L			<0.03	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.008	<0.080	0.629	<0.080
Antimonio Total	mg/L			<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsénico Total	mg/L	0.1	0.1	0.007	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Bario Total	mg/L			0.0170	0.0645	0.0452	0.0577	0.0382	0.0342	0.0396	0.0291	0.0249	0.0241	0.0203
Berilio Total	mg/L			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bismuto Total	mg/L			<0.1	<0.06	<0.06	<0.06	<0.06	<0.06	NA	NA	NA	NA	NA
Boro Total	mg/L			0.200	0.092	0.060	0.107	0.057	0.045	0.054	0.041	<0.040	<0.040	<0.040
Cadmio Total	mg/L	0.05	0.1	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.0002	0.000866	<0.0002
Calcio Total	mg/L			52.500	134.00	123.00	197.00	129.00	115.00	146.00	74.70	69.20	58.00	44.50
Cobalto Total	mg/L			<0.01	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	0.124	<0.006
Cobre Total	mg/L	0.3	3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cromo Total	mg/L	0.1 ¹	0.1	<0.01	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Estaño Total	mg/L			<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	NA	NA	NA	NA	NA
Estroncio Total	mg/L			0.240	0.630	0.526	0.882	0.579	0.558	0.627	0.373	0.355	0.254	0.199
Fósforo Total	mg/L		10	NA	<0.05	<0.05	<0.05	<0.05	<0.05	NA	NA	NA	NA	NA
Galio Total	mg/L			<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hierro Total	mg/L	2.0		<0.02	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	1.020	<0.06
Litio Total	mg/L			<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Magnesio Total	mg/L			10.700	26.90	25.50	40.70	26.30	23.10	29.20	14.80	13.80	12.10	8.60
Manganeso Total	mg/L			0.068	0.0040	<0.004	0.0131	0.0119	<0.004	0.0285	0.0063	<0.004	0.0311	0.0046
Mercurio Total	mg/L	0.002	0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molibdeno Total	mg/L			<0.01	0.1480	0.0886	0.1330	0.0888	0.1040	0.1190	0.0536	0.0732	0.0290	0.0477
Níquel Total	mg/L	0.5	2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.028	<0.01
Plata Total	mg/L			<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Plomo Total	mg/L	0.2	0.4	<0.0005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.0075	<0.0075	<0.0075
Potasio Total	mg/L			7.900	13.50	9.07	11.00	8.04	7.17	10.40	7.03	6.28	5.86	5.07
Selenio Total	mg/L			<0.0005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Silice Total	mg/L			NA	NA	NA	NA	NA	NA	NA	11.00	11.0	11.60	9.31
Sodio Total	mg/L			21.600	21.40	15.50	21.70	14.80	13.30	16.20	10.30	9.32	5.60	4.71
Talio Total	mg/L			<0.0005	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Titanio Total	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadio Total	mg/L			<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc Total	mg/L	0.5	10.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0996	<0.01

NA = No Analizado

1. Estandar se aplica a Cr (VI)

Sample Tmbx 002-A

Mes	Unidades	Guía IFC	MARN	Dic-2006
Laboratorio				ACZ
Job # del Laboratorio				
Fecha de Muestreo				
pH del campo	pH	6 - 9		NA
pH - lab	pH	6 - 9	6 - 9	7.90
Temp del campo	°C			NA
Conductividad del campo	uS/cm			NA
Conductividad - lab @ 25 °C	umhos/cm			NA
Oxígeno Disuelto del campo	ppm			NA
Acidez Total	mg/L			<1.0
Alcalinidad Total	mg/L			48.00
Bicarbonato como CaCO3	mg/L			48.00
Carbonato como CaCO3	mg/L			<2.0
Hidróxido como CaCO3	mg/L			<2.0
Cloruros	mg/L			9.00
Fluoruros	mg/L			0.60
Fosforo Total	mg/L			0.43
Nitritos/Nitratos como N	mg/L			0.17
Sulfatos como SO ₄	mg/L			<10.0
Sólidos Disueltos Totales @180	mg/L			130.00
Aluminio Total	mg/L			0.27
Antimonio Total	mg/L			<0.002
Arsénico Total	mg/L	0.1	0.1	0.008
Bario Total	mg/L			0.016
Berilio Total	mg/L			<0.002
Bismuto Total	mg/L			<0.1
Boro Total	mg/L			0.080
Cadmio Total	mg/L	0.05	0.1	<0.0005
Calcio Total	mg/L			9.200
Cobalto Total	mg/L			<0.01
Cobre Total	mg/L	0.3	3.0	0.030
Cromo Total	mg/L	0.1 ¹	0.1	<0.01
Estaño Total	mg/L			<0.1
Estroncio Total	mg/L			0.040
Fósforo Total	mg/L		10	NA
Galio Total	mg/L			<0.1
Hierro Total	mg/L	2.0		0.140
Litio Total	mg/L			<0.02
Magnesio Total	mg/L			3.500
Manganeso Total	mg/L			<0.005
Mercurio Total	mg/L	0.002	0.01	<0.0002
Molibdeno Total	mg/L			<0.01
Níquel Total	mg/L	0.5	2.0	<0.01
Plata Total	mg/L			<0.01
Plomo Total	mg/L	0.2	0.4	<0.0005
Potasio Total	mg/L			9.500
Selenio Total	mg/L			<0.0005
Silice Total	mg/L			
Sodio Total	mg/L			13.700
Talio Total	mg/L			<0.0005
Titanio Total	mg/L			<0.005
Vanadio Total	mg/L			<0.005
Zinc Total	mg/L	0.5	10.0	<0.01

NA = No Analizado

1. Estandar se aplica a Cr (VI)

Sample Tmbx 005-A

Mes	Unidades	Guía IFC	MARN	Dic-06	Jul-07	Ago-07	Sep-07	Oct-07	May-08	Jun-08	Jul-08	Sep-08	Oct-08
Laboratorio				ACZ	SVL	SVL	SVL	SVL	SVL	SVL	SVL	SVL	SVL
Job # del Laboratorio										W803799	W804441	W805269	W8J0322
Fecha de Muestreo										3-Jul-08	29-Jul-08	3-Sep-08	2-Oct-08
pH del campo	pH	6 - 9		NA	8.51	8.31	8.59	NA	8.32				
pH - lab	pH	6 - 9	6 - 9	7.60	8.02	7.61	6.89	6.16	5.73	6.00	6.33	5.38	4.61
Temp del campo	°C			NA	20.63	23.40	21.19	NA	19.98				
Conductividad del campo	uS/cm			NA	91.00	85.00	47.50	NA	32.00				
Conductividad - lab @ 25 °C	umhos/cm			NA	180.00	110.00	65.00	46.00	38.00	43.00	33.00	43.00	460.00
Oxígeno Disuelto del campo	ppm			NA	6.82	5.72	5.68	NA	6.05				
Acidez Total	mg/L			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alcalinidad Total	mg/L			23.00	54.50	32.30	12.40	4.30	<1.0	1.30	2.00	<1.0	<1.0
Bicarbonato como CaCO3	mg/L			23.00	54.50	32.30	12.40	4.30	<1.0	1.30	<1.0	<1.0	<1.0
Carbonato como CaCO3	mg/L			NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hidróxido como CaCO3	mg/L			NA	<1.0	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0
Cloruros	mg/L			8.00	3.030	2.130	1.880	1.740	2.160	1.710	1.380	1.400	0.718
Fluoruros	mg/L			0.20	0.414	0.324	0.294	0.235	0.232	0.413	0.236	0.189	0.427
Fósforo Total	mg/L			0.05	NA	NA	NA	NA	1.300	0.587	0.419	0.348	0.466
Nitritos/Nitratos como N	mg/L			0.140	1.110	0.661	0.610	0.402	0.631	0.359	0.285	0.384	0.345
Sulfatos como SO ₄	mg/L			<10.0	22.70	9.68	8.61	8.44	9.74	10.80	7.68	11.90	13.90
Sólidos Disueltos Totales @180	mg/L			80.00	390.00	230.00	480.00	570.00	260.00	240.00	230.00	200.00	110.00
Aluminio Total	mg/L			0.12	0.110	<0.08	0.970	1.130	0.494	<0.08	<0.08	0.218	0.381
Antimonio Total	mg/L			<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsénico Total	mg/L	0.1	0.1	0.004	0.0042	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Bario Total	mg/L			0.004	0.006	0.002	0.025	0.032	0.014	<0.002	<0.002	<0.002	<0.002
Berilio Total	mg/L			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bismuto Total	mg/L			<0.1	<0.06	<0.06	<0.06	<0.06	NA	NA	NA	NA	NA
Boro Total	mg/L			0.060	<0.040	<0.040	<0.040	<0.040	<0.04	<0.04	<0.04	<0.04	<0.04
Cadmio Total	mg/L	0.05	0.1	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Calcio Total	mg/L			3.000	17.50	9.44	4.68	2.70	1.05	2.29	2.07	2.43	1.28
Cobalto Total	mg/L			<0.01	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	0.0081	0.0098	0.0176
Cobre Total	mg/L	0.3	3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cromo Total	mg/L	0.1 ¹	0.1	<0.01	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Estaño Total	mg/L			<0.1	<0.05	<0.05	<0.05	<0.05	NA	NA	NA	NA	NA
Estroncio Total	mg/L			0.0200	0.3390	0.0679	0.0459	0.0406	0.0108	0.0268	0.0288	0.0159	0.0111
Fósforo Total	mg/L		10	NA	0.480	0.498	0.387	0.471	NA	NA	NA	NA	NA
Galio Total	mg/L			<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hierro Total	mg/L	2.0		0.040	<0.06	<0.06	0.738	0.818	0.435	<0.06	<0.06	0.082	<0.06
Litio Total	mg/L			<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Magnesio Total	mg/L			1.600	3.650	1.610	1.190	1.380	0.532	0.928	0.822	1.110	0.642
Manganeso Total	mg/L			0.012	<0.004	<0.004	0.0140	0.0206	0.0095	0.0080	0.0112	0.0209	0.0075
Mercurio Total	mg/L	0.002	0.01	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molibdeno Total	mg/L			<0.01	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
Níquel Total	mg/L	0.5	2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Plata Total	mg/L			<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Plomo Total	mg/L	0.2	0.4	<0.0005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.0075	<0.0075	<0.0075
Potasio Total	mg/L			4.30	2.62	1.89	1.86	1.55	1.61	1.43	1.00	1.38	0.87
Selenio Total	mg/L			<0.0005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Sílice Total	mg/L			NA	NA	NA	NA	NA	NA	NA	52.70	50.50	41.00
Sodio Total	mg/L			13.900	9.89	6.71	5.89	5.19	5.57	5.24	4.44	3.50	2.70
Talio Total	mg/L			<0.0005	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Titanio Total	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadio Total	mg/L			<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc Total	mg/L	0.5	10.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0134	0.0227

NA = No Analizado

1. Estandar se aplica a Cr (VI)

Sample Tm2202-26

Mes	Unidades	Guía IFC	MARN	Jun-08
Laboratorio				SVL
Job # del Laboratorio				W803799
Fecha de Muestreo				3-Jul-08
pH del campo	pH	6 - 9		
pH - lab	pH	6 - 9	6 - 9	6.80
Temp del campo	°C			
Conductividad del campo	uS/cm			
Conductividad - lab @ 25 °C	umhos/cm			71.00
Oxígeno Disuelto del campo	ppm			
Acidez Total	mg/L			<1.0
Alcalinidad Total	mg/L			4.80
Bicarbonato como CaCO3	mg/L			4.80
Carbonato como CaCO3	mg/L			<1.0
Hidróxido como CaCO3	mg/L			<1.0
Cloruros	mg/L			1.72
Fluoruros	mg/L			0.50
Fosforo Total	mg/L			0.76
Nitritos/Nitratos como N	mg/L			2.87
Sulfatos como SO ₄	mg/L			13.00
Sólidos Disueltos Totales @180	mg/L			500.00
Aluminio Total	mg/L			0.08
Antimonio Total	mg/L			<0.003
Arsénico Total	mg/L	0.1	0.1	0.01
Bario Total	mg/L			0.01
Berilio Total	mg/L			<0.002
Bismuto Total	mg/L			NA
Boro Total	mg/L			<0.04
Cadmio Total	mg/L	0.05	0.1	<0.0002
Calcio Total	mg/L			4.22
Cobalto Total	mg/L			<0.006
Cobre Total	mg/L	0.3	3.0	<0.01
Cromo Total	mg/L	0.1 ¹	0.1	<0.006
Estaño Total	mg/L			NA
Estroncio Total	mg/L			0.04
Fósforo Total	mg/L		10	NA
Galio Total	mg/L			NA
Hierro Total	mg/L	2.0		<0.06
Litio Total	mg/L			<0.02
Magnesio Total	mg/L			2.46
Manganeso Total	mg/L			0.01
Mercurio Total	mg/L	0.002	0.01	<0.0002
Molibdeno Total	mg/L			<0.008
Níquel Total	mg/L	0.5	2.0	<0.01
Plata Total	mg/L			<0.005
Plomo Total	mg/L	0.2	0.4	<0.003
Potasio Total	mg/L			1.63
Selenio Total	mg/L			<0.003
Silice Total	mg/L			
Sodio Total	mg/L			6.86
Talio Total	mg/L			<0.001
Titanio Total	mg/L			<0.005
Vanadio Total	mg/L			NA
Zinc Total	mg/L	0.5	10.0	<0.01

NA = No Analizado

1. Estandar se aplica a Cr (VI)

Sample 2188-29-126

Mes	Unidades	Guía IFC	MARN	Jun-08	Jul-08	Sep-08	Oct-08
Laboratorio				SVL	SVL	SVL	SVL
Job # del Laboratorio				W803799	W804441	W805269	W8J0322
Fecha de Muestreo				3-Jul-08	29-Jul-08	3-Sep-08	2-Oct-08
pH del campo	pH	6 - 9					
pH - lab	pH	6 - 9	6 - 9	7.36	7.27	6.92	5.29
Temp del campo	°C						
Conductividad del campo	uS/cm						
Conductividad - lab @ 25 °C	umhos/cm			1900.00	1600.00	1400.00	1700.00
Oxígeno Disuelto del campo	ppm						
Acidez Total	mg/L			<1.0	<1.0	<1.0	<1.0
Alcalinidad Total	mg/L			90.90	39.20	18.80	<1.0
Bicarbonato como CaCO3	mg/L			90.90	39.20	18.80	<1.0
Carbonato como CaCO3	mg/L			<1.0	<1.0	<1.0	<1.0
Hidróxido como CaCO3	mg/L			<1.0	<1.0	<1.0	<1.0
Cloruros	mg/L			4.18	2.50	2.76	1.07
Fluoruros	mg/L			0.257	0.230	0.388	0.340
Fosforo Total	mg/L			0.195	<0.05	0.084	<0.05
Nitritos/Nitratos como N	mg/L			1.820	1.170	0.234	<0.05
Sulfatos como SO ₄	mg/L			1180.00	1020.00	769.00	1110.00
Sólidos Disueltos Totales @180	mg/L			1800.00	1400.00	1200.00	1400.00
Aluminio Total	mg/L			<0.08	<0.08	0.122	4.070
Antimonio Total	mg/L			<0.003	<0.003	<0.003	<0.003
Arsénico Total	mg/L	0.1	0.1	0.00326	0.00313	<0.003	<0.003
Bario Total	mg/L			0.0383	0.0307	0.0339	0.0287
Berilio Total	mg/L			<0.002	<0.002	<0.002	<0.002
Bismuto Total	mg/L			NA	NA	NA	NA
Boro Total	mg/L			<0.04	<0.04	<0.04	<0.04
Cadmio Total	mg/L	0.05	0.1	0.00672	0.00665	0.01280	0.01300
Calcio Total	mg/L			244.00	201.00	172.00	213.00
Cobalto Total	mg/L			0.248	0.191	0.298	0.380
Cobre Total	mg/L	0.3	3.0	<0.01	<0.01	0.033	0.044
Cromo Total	mg/L	0.1 ¹	0.1	<0.006	<0.006	<0.006	<0.006
Estaño Total	mg/L			NA	NA	NA	NA
Estroncio Total	mg/L			1.120	0.936	0.673	0.874
Fósforo Total	mg/L		10	NA	NA	NA	NA
Galio Total	mg/L			NA	NA	NA	NA
Hierro Total	mg/L	2.0		<0.06	<0.0075	<0.06	3.960
Litio Total	mg/L			<0.02	<0.02	<0.02	<0.02
Magnesio Total	mg/L			118.00	96.10	79.70	96.20
Manganeso Total	mg/L			1.61	1.31	1.87	2.04
Mercurio Total	mg/L	0.002	0.01	<0.0002	<0.0002	<0.0002	<0.0002
Molibdeno Total	mg/L			0.01	0.032	<0.008	<0.008
Níquel Total	mg/L	0.5	2.0	0.060	0.048	0.064	0.087
Plata Total	mg/L			<0.005	<0.005	<0.005	<0.005
Plomo Total	mg/L	0.2	0.4	<0.003	<0.003	<0.0075	<0.0075
Potasio Total	mg/L			34.40	29.20	25.80	27.90
Selenio Total	mg/L			0.09590	0.03990	0.00780	0.00366
Silice Total	mg/L			NA	28.40	35.20	39.30
Sodio Total	mg/L			41.60	32.30	17.60	15.30
Talio Total	mg/L			<0.001	<0.001	<0.001	<0.001
Titanio Total	mg/L			<0.005	<0.005	<0.005	<0.005
Vanadio Total	mg/L			NA	NA	NA	NA
Zinc Total	mg/L	0.5	10.0	0.0772	0.0945	0.317	0.405

NA = No Analizado

1. Estandar se aplica a Cr (VI)

Sample 2188-38-41

Mes	Unidades	Guía IFC	MARN	Jun-08 SVL	Sep-08 SVL
Laboratorio				W803799	W805269
Job # del Laboratorio				3-Jul-08	3-Sep-08
Fecha de Muestreo					
pH del campo	pH	6 - 9			
pH - lab	pH	6 - 9	6 - 9	7.23	6.79
Temp del campo	°C				
Conductividad del campo	uS/cm				
Conductividad - lab @ 25°C	umhos/cm			3600.00	1200.00
Oxígeno Disuelto del campo	ppm				
Acidez Total	mg/L			<1.0	<1.0
Alcalinidad Total	mg/L			254.000	11.90
Bicarbonato como CaCO3	mg/L			254.000	11.90
Carbonato como CaCO3	mg/L			<1.0	<1.0
Hidróxido como CaCO3	mg/L			<1.0	<1.0
Cloruros	mg/L			52.60	4.62
Fluoruros	mg/L			0.187	0.591
Fosforo Total	mg/L			0.639	0.230
Nitritos/Nitratos como N	mg/L		20.0	8.320	<0.250
Sulfatos como SO ₄	mg/L			2,440.00	645.00
Sólidos Disueltos Totales @180	mg/L			3,800.00	930.00
Aluminio Total	mg/L			<0.08	<0.08
Antimonio Total	mg/L			<0.003	<0.003
Arsénico Total	mg/L	0.1	0.1	<0.003	<0.003
Bario Total	mg/L			0.0416	0.0161
Berilio Total	mg/L			<0.002	<0.002
Bismuto Total	mg/L			NA	NA
Boro Total	mg/L			<0.04	<0.04
Cadmio Total	mg/L	0.05	0.1	0.0011	<0.0002
Calcio Total	mg/L			528.00	149.00
Cobalto Total	mg/L			0.0419	0.0121
Cobre Total	mg/L	0.3	3.0	<0.01	<0.01
Cromo Total	mg/L	0.1 ¹	0.1	<0.006	<0.006
Estaño Total	mg/L			NA	NA
Estroncio Total	mg/L			0.991	0.160
Fósforo Total	mg/L		10	NA	NA
Galio Total	mg/L			NA	NA
Hierro Total	mg/L	2.0		<0.06	<0.06
Litio Total	mg/L			<0.02	<0.02
Magnesio Total	mg/L			272.000	65.30
Manganeso Total	mg/L			3.550	0.0246
Mercurio Total	mg/L	0.002	0.01	<0.0002	<0.0002
Molibdeno Total	mg/L			<0.008	<0.008
Níquel Total	mg/L	0.5	2.0	0.023	<0.01
Plata Total	mg/L			<0.005	<0.005
Plomo Total	mg/L	0.2	0.4	<0.003	<0.0075
Potasio Total	mg/L			20.500	12.00
Selenio Total	mg/L			0.0290	<0.003
Sílice Total	mg/L				4.54
Sodio Total	mg/L			103.000	16.00
Talio Total	mg/L			<0.001	<0.001
Titanio Total	mg/L			<0.005	<0.005
Vanadio Total	mg/L			NA	NA
Zinc Total	mg/L	0.5	10.0	0.0457	0.0101

NA = No Analizado

1. Estandar se aplica a Cr (VI)

Sample 2195-45-085

Mes	Unidades	Guía IFC	MARN	Jun-08	Sep-08	Oct-08
Laboratorio				SVL	SVL	SVL
Job # del Laboratorio				W803799	W805269	W8J0322
Fecha de Muestreo				3-Jul-08	3-Sep-08	2-Oct-08
pH del campo	pH	6 - 9				
pH - lab	pH	6 - 9	6 - 9	6.33	6.67	5.81
Temp del campo	°C					
Conductividad del campo	uS/cm					
Conductividad - lab @ 25°C	umhos/cm			110.00	100.00	6300.00
Oxígeno Disuelto del campo	ppm					
Acidez Total	mg/L			<1.0	<1.0	<1.0
Alcalinidad Total	mg/L			4.20	4.20	<1.0
Bicarbonato como CaCO3	mg/L			4.20	4.20	<1.0
Carbonato como CaCO3	mg/L			<0.01	<1.0	<1.0
Hidróxido como CaCO3	mg/L			<0.01	<1.0	<1.0
Cloruros	mg/L			2.99	1.24	0.746
Fluoruros	mg/L			0.23	<0.100	<0.100
Fosforo Total	mg/L			0.16	0.117	0.093
Nitritos/Nitratos como N	mg/L			0.378	0.819	0.132
Sulfatos como SO ₄	mg/L			35.90	32.30	24.00
Sólidos Disueltos Totales @180	mg/L			120.00	88.00	71.00
Aluminio Total	mg/L			<0.08	<0.08	<0.08
Antimonio Total	mg/L			<0.003	<0.003	<0.003
Arsénico Total	mg/L	0.1	0.1	<0.003	<0.003	<0.003
Bario Total	mg/L			0.05	0.0691	0.0677
Berilio Total	mg/L			<0.002	<0.002	<0.002
Bismuto Total	mg/L			NA	NA	NA
Boro Total	mg/L			<0.04	<0.04	<0.04
Cadmio Total	mg/L	0.05	0.1	<0.0002	<0.0002	<0.0002
Calcio Total	mg/L			5.62	6.50	2.71
Cobalto Total	mg/L			<0.006	<0.006	<0.006
Cobre Total	mg/L	0.3	3.0	<0.01	<0.01	<0.01
Cromo Total	mg/L	0.1 ¹	0.1	<0.006	<0.006	<0.006
Estaño Total	mg/L			NA	NA	NA
Estroncio Total	mg/L			0.0622	0.0388	0.0177
Fósforo Total	mg/L		10	NA	NA	NA
Galio Total	mg/L			NA	NA	NA
Hierro Total	mg/L	2.0		<0.06	<0.06	<0.06
Litio Total	mg/L			<0.02	<0.02	<0.02
Magnesio Total	mg/L			2.07	1.43	1.12
Manganeso Total	mg/L			0.0805	0.0312	0.0216
Mercurio Total	mg/L	0.002	0.01	<0.0002	<0.0002	<0.0002
Molibdeno Total	mg/L			<0.008	<0.008	<0.008
Níquel Total	mg/L	0.5	2.0	<0.01	<0.01	<0.01
Plata Total	mg/L			<0.005	<0.005	<0.005
Plomo Total	mg/L	0.2	0.4	<0.003	<0.0075	<0.0075
Potasio Total	mg/L			5.29	3.93	3.15
Selenio Total	mg/L			<0.003	<0.003	<0.003
Sílice Total	mg/L				39.5	35.4
Sodio Total	mg/L			11.10	7.17	5.62
Talio Total	mg/L			<0.001	<0.001	<0.001
Titanio Total	mg/L			<0.005	<0.005	<0.005
Vanadio Total	mg/L			NA	NA	NA
Zinc Total	mg/L	0.5	10.0	0.0370	0.0132	<0.010

NA = No Analizado

1. Estandar se aplica a Cr (VI)

Sample 2188-32-093

Mes	Unidades	Guía IFC	MARN	Jun-08	Jul-08	Sep-08	Oct-08
Laboratorio				SVL	SVL	SVL	SVL
Job # del Laboratorio				W803799	W804441	W805269	W8J0322
Fecha de Muestreo				3-Jul-08	30-Jul-08	3-Sep-08	2-Oct-08
pH del campo	pH	6 - 9					
pH - lab	pH	6 - 9	6 - 9	5.67	6.09	5.55	5.37
Temp del campo	°C						
Conductividad del campo	uS/cm						
Conductividad - lab @ 25°C	umhos/cm			1200.00	1100.00	870.00	520.00
Oxígeno Disuelto del campo	ppm						
Acidez Total	mg/L			<1.0	<1.0	<1.0	<1.0
Alcalinidad Total	mg/L			1.60	1.90	<1.0	<1.0
Bicarbonato como CaCO3	mg/L			1.60	<1.0	<1.0	<1.0
Carbonato como CaCO3	mg/L			<1.0	<1.0	<1.0	<1.0
Hidróxido como CaCO3	mg/L			<1.0	<1.0	<1.0	<1.0
Cloruros	mg/L			6.22	5.30	5.73	2.02
Fluoruros	mg/L			0.297	0.583	0.237	0.327
Fosforo Total	mg/L			0.299	0.059	0.052	0.054
Nitritos/Nitratos como N	mg/L			1.78	3.55	1.14	0.780
Sulfatos como SO ₄	mg/L			728.00	652.00	426.00	234.00
Sólidos Disueltos Totales @180	mg/L			1100.00	1100.00	670.00	380.00
Aluminio Total	mg/L			0.300	0.131	0.290	0.980
Antimonio Total	mg/L			<0.003	<0.003	<0.003	<0.003
Arsénico Total	mg/L	0.1	0.1	<0.003	<0.003	<0.003	<0.003
Bario Total	mg/L			0.0249	0.0257	0.0242	0.0231
Berilio Total	mg/L			<0.002	<0.002	<0.002	<0.002
Bismuto Total	mg/L			NA	NA	NA	NA
Boro Total	mg/L			<0.04	<0.04	<0.04	<0.04
Cadmio Total	mg/L	0.05	0.1	0.000656	0.000854	0.000970	0.000472
Calcio Total	mg/L			139.00	146.00	88.80	46.20
Cobalto Total	mg/L			0.0201	0.0210	0.0217	0.0101
Cobre Total	mg/L	0.3	3.0	0.02	<0.01	<0.01	0.041
Cromo Total	mg/L	0.1 ¹	0.1	<0.006	<0.006	<0.006	<0.006
Estaño Total	mg/L			NA	NA	NA	NA
Estroncio Total	mg/L			0.347	0.376	0.184	0.103
Fósforo Total	mg/L		10	NA	NA	NA	NA
Galio Total	mg/L			NA	NA	NA	NA
Hierro Total	mg/L	2.0		<0.06	<0.06	<0.06	<0.06
Litio Total	mg/L			0.02	<0.02	<0.02	<0.02
Magnesio Total	mg/L			62.00	59.80	38.30	20.20
Manganeso Total	mg/L			0.98	1.32	1.490	0.734
Mercurio Total	mg/L	0.002	0.01	<0.0002	<0.0002	<0.0002	<0.0002
Molibdeno Total	mg/L			<0.008	0.026	<0.0080	<0.0080
Níquel Total	mg/L	0.5	2.0	0.01	0.02	0.014	<0.01
Plata Total	mg/L			<0.005	<0.005	<0.005	<0.005
Plomo Total	mg/L	0.2	0.4	<0.003	<0.0075	<0.0075	<0.0075
Potasio Total	mg/L			20.20	20.00	15.90	11.50
Selenio Total	mg/L			0.0249	0.0203	0.0133	0.00772
Sílice Total	mg/L			NA	71.40	64.20	63.50
Sodio Total	mg/L			30.40	30.70	20.20	12.60
Talio Total	mg/L			<0.001	<0.001	<0.001	<0.001
Titanio Total	mg/L			<0.005	<0.005	<0.005	<0.005
Vanadio Total	mg/L			NA	NA	NA	NA
Zinc Total	mg/L	0.5	10.0	0.106	0.104	0.199	0.0713

NA = No Analizado

1. Estandar se aplica a Cr (VI)

Sample 2188-37

Mes	Unidades	Guía IFC	MARN	Jun-08	Jul-08	Sep-08	Oct-08
Laboratorio				SVL	SVL	SVL	SVL
Job # del Laboratorio				W803799	W804441	W805269	W8J0322
Fecha de Muestreo				3-Jul-08	30-Jul-08	3-Sep-08	2-Oct-08
pH del campo	pH	6 - 9					
pH - lab	pH	6 - 9	6 - 9	7.58	7.76	7.72	7.11
Temp del campo	°C						
Conductividad del campo	uS/cm						
Conductividad - lab @ 25 °C	umhos/cm			2200.00	1800.00	1300.00	1000.00
Oxígeno Disuelto del campo	ppm						
Acidez Total	mg/L			<1.0	<1.0	<1.0	<1.0
Alcalinidad Total	mg/L			54.80	56.40	58.60	60.20
Bicarbonato como CaCO3	mg/L			54.80	56.40	58.60	60.20
Carbonato como CaCO3	mg/L			<1.0	<1.0	<1.0	<1.0
Hidróxido como CaCO3	mg/L			<1.0	<1.0	<1.0	<1.0
Cloruros	mg/L			5.35	4.34	2.32	0.82
Fluoruros	mg/L			0.55	0.53	0.75	1.19
Fosforo Total	mg/L			0.49	<0.05	0.139	<0.05
Nitritos/Nitratos como N	mg/L			0.98	0.11	<0.0500	<0.0500
Sulfatos como SO ₄	mg/L			1490.00	1290.00	690.00	519.00
Sólidos Disueltos Totales @180	mg/L			2200.00	1900.00	1000.00	710.00
Aluminio Total	mg/L			0.31	<0.08	<0.08	<0.08
Antimonio Total	mg/L			<0.003	<0.003	<0.003	<0.003
Arsénico Total	mg/L	0.1	0.1	<0.003	<0.003	<0.003	<0.003
Bario Total	mg/L			0.0419	0.0321	0.0253	0.0213
Berilio Total	mg/L			<0.002	<0.002	<0.002	<0.002
Bismuto Total	mg/L			NA	NA	NA	NA
Boro Total	mg/L			<0.04	<0.04	<0.04	<0.04
Cadmio Total	mg/L	0.05	0.1	<0.0002	<0.0002	<0.0002	<0.0002
Calcio Total	mg/L			321.00	279.00	162.00	109.00
Cobalto Total	mg/L			<0.006	<0.006	<0.006	<0.006
Cobre Total	mg/L	0.3	3.0	<0.01	<0.01	<0.01	<0.01
Cromo Total	mg/L	0.1 ¹	0.1	<0.006	<0.006	<0.006	<0.006
Estaño Total	mg/L			NA	NA	NA	NA
Estroncio Total	mg/L			1.040	0.872	0.454	0.366
Fósforo Total	mg/L		10	NA	NA	NA	NA
Galio Total	mg/L			NA	NA	NA	NA
Hierro Total	mg/L	2.0		0.53	<0.06	<0.06	<0.06
Litio Total	mg/L			<0.02	<0.02	<0.02	<0.02
Magnesio Total	mg/L			136.00	113.00	66.40	46.00
Manganeso Total	mg/L			0.207	0.117	0.0366	0.0321
Mercurio Total	mg/L	0.002	0.01	<0.0002	<0.0002	<0.0002	<0.0002
Molibdeno Total	mg/L			0.0081	0.0188	0.0119	0.0196
Níquel Total	mg/L	0.5	2.0	<0.01	<0.01	<0.01	<0.01
Plata Total	mg/L			<0.005	<0.005	<0.005	<0.005
Plomo Total	mg/L	0.2	0.4	<0.003	<0.0075	<0.0075	<0.0075
Potasio Total	mg/L			25.90	23.70	18.90	15.10
Selenio Total	mg/L			0.004	<0.003	<0.003	<0.003
Sílice Total	mg/L			NA	8.30	6.39	6.88
Sodio Total	mg/L			54.60	47.20	28.40	22.90
Talio Total	mg/L			<0.001	<0.001	<0.001	<0.001
Titanio Total	mg/L			<0.005	<0.005	<0.005	<0.005
Vanadio Total	mg/L			NA	NA	NA	NA
Zinc Total	mg/L	0.5	10.0	<0.01	<0.01	0.0124	0.0100

NA = No Analizado

1. Estandar se aplica a Cr (VI)

Sample 2188-32-28

Mes	Unidades	Guía IFC	MARN	Sep-08	Oct-08
Laboratorio				SVL	SVL
Job # del Laboratorio				W805269	W8J0322
Fecha de Muestreo				3-Sep-08	2-Oct-08
pH del campo	pH	6 - 9			
pH - lab	pH	6 - 9	6 - 9	7.49	7.51
Temp del campo	°C				
Conductividad del campo	uS/cm				
Conductividad - lab @ 25 °C	umhos/cm			1300.00	1100.00
Oxígeno Disuelto del campo	ppm				
Acidez Total	mg/L			<1.0	<1.0
Alcalinidad Total	mg/L			62.90	64.10
Bicarbonato como CaCO3	mg/L			62.90	64.10
Carbonato como CaCO3	mg/L			<0.1	<0.1
Hidróxido como CaCO3	mg/L			<0.1	<0.1
Cloruros	mg/L			3.71	0.731
Fluoruros	mg/L			0.581	0.741
Fosforo Total	mg/L			1.020	<0.050
Nitritos/Nitratos como N	mg/L			0.0990	<0.050
Sulfatos como SO ₄	mg/L			434.00	561.00
Sólidos Disueltos Totales @180	mg/L			980.00	760.00
Aluminio Total	mg/L			<0.080	<0.080
Antimonio Total	mg/L			<0.003	<0.003
Arsénico Total	mg/L	0.1	0.1	<0.003	<0.003
Bario Total	mg/L			0.0328	0.0230
Berilio Total	mg/L			<0.0020	<0.0020
Bismuto Total	mg/L			NA	NA
Boro Total	mg/L			<0.04	<0.04
Cadmio Total	mg/L	0.05	0.1	0.00023	<0.00020
Calcio Total	mg/L			135.00	101.00
Cobalto Total	mg/L			<0.0060	<0.0060
Cobre Total	mg/L	0.3	3.0	<0.010	<0.010
Cromo Total	mg/L	0.1 ¹	0.1	<0.006	<0.006
Estaño Total	mg/L			NA	NA
Estroncio Total	mg/L			0.5310	0.4380
Fósforo Total	mg/L		10	NA	NA
Galio Total	mg/L			NA	NA
Hierro Total	mg/L	2.0		0.075	<0.060
Litio Total	mg/L			<0.020	<0.020
Magnesio Total	mg/L			71.30	54.50
Manganeso Total	mg/L			0.0825	0.0144
Mercurio Total	mg/L	0.002	0.01	<0.0002	<0.0002
Molibdeno Total	mg/L			0.0267	0.0283
Níquel Total	mg/L	0.5	2.0	<0.010	<0.010
Plata Total	mg/L			<0.005	<0.005
Plomo Total	mg/L	0.2	0.4	<0.0075	<0.0075
Potasio Total	mg/L			20.00	15.80
Selenio Total	mg/L			<0.0030	<0.0030
Sílice Total	mg/L			38.10	32.60
Sodio Total	mg/L			5.79	5.50
Talio Total	mg/L			<0.001	<0.001
Titanio Total	mg/L			<0.005	<0.005
Vanadio Total	mg/L			NA	NA
Zinc Total	mg/L	0.5	10.0	0.0162	<0.010

NA = No Analizado

1. Estandar se aplica a Cr (VI)

Sample 2195-58-26

Mes	Unidades	Guía IFC	MARN	Sep-08	Oct-08
Laboratorio				SVL	SVL
Job # del Laboratorio				W805269	W8J0322
Fecha de Muestreo				3-Sep-08	2-Oct-08
pH del campo	pH	6 - 9			
pH - lab	pH	6 - 9	6 - 9	4.78	4.21
Temp del campo	°C				
Conductividad del campo	uS/cm				
Conductividad - lab @ 25°C	umhos/cm			890.00	900.00
Oxígeno Disuelto del campo	ppm				
Acidez Total	mg/L			<1.0	<1.0
Alcalinidad Total	mg/L			<0.1	<0.1
Bicarbonato como CaCO3	mg/L			<0.1	<0.1
Carbonato como CaCO3	mg/L			<0.1	<0.1
Hidróxido como CaCO3	mg/L			<0.1	<0.1
Cloruros	mg/L			2.72	0.702
Fluoruros	mg/L			0.917	1.550
Fosforo Total	mg/L			<0.05	<0.05
Nitritos/Nitratos como N	mg/L			<0.050	<0.050
Sulfatos como SO ₄	mg/L			434.00	478.00
Sólidos Disueltos Totales @180	mg/L			650.00	640.00
Aluminio Total	mg/L			1.440	1.710
Antimonio Total	mg/L			<0.003	<0.003
Arsénico Total	mg/L	0.1	0.1	<0.003	<0.003
Bario Total	mg/L			0.0802	0.0453
Berilio Total	mg/L			0.00594	0.00739
Bismuto Total	mg/L			NA	NA
Boro Total	mg/L			<0.04	<0.04
Cadmio Total	mg/L	0.05	0.1	0.00562	0.00646
Calcio Total	mg/L			64.00	63.40
Cobalto Total	mg/L			0.0567	0.0722
Cobre Total	mg/L	0.3	3.0	0.024	0.028
Cromo Total	mg/L	0.1 ¹	0.1	<0.006	<0.006
Estaño Total	mg/L			NA	NA
Estroncio Total	mg/L			0.0634	0.0623
Fósforo Total	mg/L		10	NA	NA
Galio Total	mg/L			NA	NA
Hierro Total	mg/L	2.0		<0.06	0.138
Litio Total	mg/L			0.059	0.062
Magnesio Total	mg/L			38.60	38.20
Manganeso Total	mg/L			3.9500	5.2500
Mercurio Total	mg/L	0.002	0.01	<0.0002	<0.0002
Molibdeno Total	mg/L			<0.008	<0.008
Níquel Total	mg/L	0.5	2.0	0.029	0.033
Plata Total	mg/L			<0.005	<0.005
Plomo Total	mg/L	0.2	0.4	<0.0075	<0.0075
Potasio Total	mg/L			20.70	20.70
Selenio Total	mg/L			0.00699	<0.0030
Sílice Total	mg/L			40.30	32.40
Sodio Total	mg/L			45.80	41.90
Talio Total	mg/L			<0.001	<0.001
Titanio Total	mg/L			<0.005	<0.005
Vanadio Total	mg/L			NA	NA
Zinc Total	mg/L	0.5	10.0	0.384	0.493

NA = No Analizado

1. Estandar se aplica a Cr (VI)