

**Eagle Gold Project
Report of Metallurgical Test Work
December 2013**

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1.0 Summary of Metallurgical Test Work

On 2 November 2009, the laboratory facility of Kappes, Cassiday & Associates (KCA) in Reno, Nevada received three (3) supersacks of bulk pit material from the Eagle Gold Project in the Central Yukon Territory. Each supersack represented a single sample (Pit 1, Pit 2 and Pit 3), and was assigned a unique sample number. All three (3) samples were identified by the client as Type A material, and were prepared and utilized for metallurgical test work by KCA.

From each of the bulk pit samples, a 150 kilogram portion of material was split out and combined to generate a single composite. The Pit 1, 2 and 3 Composite material was assigned a unique sample number and was then prepared and utilized for test work completed by KCA.

On 16 November 2011, the laboratory facility of KCA received twenty-six (26) core interval samples from the Eagle Gold Project. The samples consisted of half split HQ and PQ core, and were identified by interval length and ore type information provided by the client. Each interval sample was assigned a unique sample number and was prepared and utilized for metallurgical test work by KCA.

For the test work summarized in this report; reject material from each interval sample was utilized to generate four (4) Ore Type Composites based on information provided by the client. Each Ore Type Composite was then combined and blended with a portion of reject material from the Pit 1, 2 and 3 Composite, and a portion of reject material from one interval sample (DG-MET-23). The newly generated composite was labeled as the Environmental Composite. The Environmental Composite was then prepared and utilized for the test program summarized in this report.

All preparation, assaying and metallurgical studies were performed utilizing accepted industry standard procedures.

1.1 Sample Receipt and Preparation

A total of four (4) Ore Type Composites were generated from the received core material (Type A, B, C and E). Each composite was generated utilizing reject interval material prepared in a previous test program. Each composite was assigned a unique composite number (KCA Composite Nos. 48154 through 48157) and was utilized as a constituent for the Environmental Composite.

The Environmental Composite was generated by combining a portion of the previously generated Pit 1, 2 and 3 Composite material (KCA Sample No. 48126), the four (4) Ore Type Composites (KCA Composite Nos. 48154 through 48157) and a portion of reject material from one interval sample (DG-MET-23, KCA Sample No. 48150). The Environmental Composite was generated according to information provided by the client, and was assigned a unique sample number (KCA Sample No. 48158).

The Environmental Composite was prepared and utilized for head analyses, bottle roll leach test work and column leach test work. On the tailings material from each column leach test, detoxification test work was conducted. The detoxified tailings from select columns were further utilized for humidity cell test work. Additionally, the final tailings from select tests were utilized for compacted permeability test work.

The detailed sample receipt and preparation information is presented in Section 2 of this report.

A summary of the Environmental Composite generation is presented in Table 1-1.

Table 1-1.
Eagle Gold Project
Summary of Environmental Composite Generation

KCA Sample/Composite No.	Description	Ore Type	Type of Material	Weight to Composite, kg	Weight to Composite, %
48126	Pit 1, 2 and 3	A	Surface Pit	59.5	17%
48154	DG11-MET-03, 05, 09, 12, 15, 21	A	Core	59.5	17%
48155	DG11-MET-02, 04, 06, 08, 10, 14, 16, 13, 17, 22, 24	B	Core	159.5	45%
48156	DG11-MET-01, 18, 19, 20	C	Core	44.0	13%
48150	DG-MET-23	E	Core	5.25	1%
48157	DG11-MET-25, 26	E	Core	23.45	7%
Total:				351.2	100%

1.2 Head Analyses

Portions of the head material from the Environmental Composite were ring and puck pulverized and analyzed for gold and silver by standard fire assay and wet chemistry methods. Head material was also assayed semi-quantitatively for an additional series of elements and for whole rock constituents. In addition to these semi-quantitative analyses, the head material was assayed by quantitative methods for carbon, sulfur and mercury. A cyanide shake test was also conducted on a portion of the pulverized head material.

In addition to the analyses on pulverized head material, a portion of crushed composite material (target p80 6.3 millimeters) was utilized for head screen analyses with assays by size fraction.

A summary of the head analyses for gold and silver is presented in Table 1-2.

The detailed head analyses are presented in Section 3 of this report.

Table 1-2.
Eagle Gold Project
Summary of Head Analyses

KCA Sample No.	Description	Average Assay, gms Au/MT	Average Assay, gms Ag/MT	Weighted Avg. Head Assay, gms Au/MT	Weighted Avg. Head Assay, gms Ag/MT
48158	Environmental Composite	0.961	0.62	1.077	0.56

1.3 Bottle Roll Leach Test Work

Bottle roll leach testing was conducted on a portion of the Environmental Composite material. A 1,000 gram portion of head material was ring and puck pulverized to a target size of 80% passing 0.075 millimeters, and the pulverized material was utilized for a 48 hour leach test. The test was maintained at a target concentration of 1.0 grams sodium cyanide per liter of solution.

A summary of the bottle roll leach test work is presented in Table 1-3.

The detailed bottle roll leach test work is presented in Section 4 of this report.

Table 1-3.
Eagle Gold Project
Summary of Bottle Roll Leach Test Work

KCA Sample No.	KCA Test No.	Sample I.D.	Calculated Head, gms Au/MT	Au Extracted, %	Leach Time, hours	Consumption NaCN, kg/MT	Addition Ca(OH) ₂ , kg/MT
48158	63511 B	Environmental Composite	0.678	92%	48	0.29	1.00

KCA Sample No.	KCA Test No.	Sample I.D.	Calculated Head, gms Ag/MT	Ag Extracted, %	Leach Time, hours	Consumption NaCN, kg/MT	Addition Ca(OH) ₂ , kg/MT
48158	63511 B	Environmental Composite	0.45	54%	48	0.29	1.00

1.4 Preliminary Agglomeration Test Work

Preliminary agglomeration test work was conducted on portions of the Environmental Composite material. A total of three (3) agglomeration tests were conducted utilizing 2 kilogram portions of material crushed to the size of 100% passing 9.5 millimeters and agglomerated with 0, 2.5 or 5 kilograms cement per metric tonne of dry ore.

All agglomeration tests passed the criteria put forth by KCA. The pH of the material was low in the tests which did not utilize cement; the addition of lime can resolve this problem.

After completion of this portion of the test program, and after discussion with the client, the material utilized for each column leach test was agglomerated with 3 kilograms cement per metric tonne of dry ore.

The detailed agglomeration test work is presented in Section 5 of this report.

1.5 Column Test Work

Several column tests (cyanide leaching, detoxification and humidity cell) were conducted on individual portions of material split from the Environmental Composite. Each test was conducted in consecutive order within the original column leach test apparatus.

A total of eight (8) column leach tests were completed. On the tailings material from each column leach test, detoxification test work was then conducted (bacterial or hydrogen peroxide). The detoxified tailings from select columns were further utilized for humidity cell test work. The final tailings from select tests were utilized for tailings analyses and compacted permeability test work.

A summary of the test work conducted in each column is presented in Table 1-4.

Table 1-4.
Eagle Gold Project
Summary of Column Test Work

Test Parameters						Cyanide Leaching		Detoxification				Humidity Cell	
KCA Sample No.	KCA Test No.	Description	Column Temp., °C	Column Diameter, meters	Target p80 Size, mm	Start Date	End Date	Detox Type	Start Date	End (Phase I) Start (Phase II) Date	End Date	Start Date	End Date
48158	63301	Environmental Composite	22	0.152	6.3	30-Jan-12	22-Jun-12	Bacterial	13-Jul-12	23-Oct-12	3-Dec-12	3-Dec-12	16-Sep-13
48158	63304	Environmental Composite	22	0.152	6.3	30-Jan-12	22-Jun-12	Bacterial	13-Jul-12	23-Oct-12	20-Mar-13	--	--
48158	63307	Environmental Composite	22	0.152	6.3	30-Jan-12	22-Jun-12	Bacterial	13-Jul-12	23-Oct-12	20-Mar-13	--	--
48158	63310	Environmental Composite	22	0.152	6.3	30-Jan-12	22-Jun-12	Peroxide	19-Jul-12	--	31-Oct-12	11-Nov-12	7-Dec-12
48158	63313	Environmental Composite	22	0.152	6.3	30-Jan-12	22-Jun-12	Peroxide	19-Jul-12	--	31-Oct-12	11-Nov-12	7-Dec-12
48158	63316	Environmental Composite	22	0.152	6.3	30-Jan-12	22-Jun-12	Peroxide	19-Jul-12	--	9-Nov-12	17-Nov-12	16-Sep-13
48158	63319	Environmental Composite	3	0.152	6.3	30-Jan-12	22-Jun-12	Bacterial	13-Jul-12	23-Oct-12	20-Mar-13	--	--
48158	63322	Environmental Composite	3	0.152	6.3	30-Jan-12	22-Jun-12	Peroxide	19-Jul-12	--	9-Nov-12	17-Nov-12	16-Sep-13

1.5.1 Cyanide Leach Test Work

A total of eight (8) column leach tests were completed on portions of the Environmental Composite material. Each test utilized material crushed to the size of 100% passing 9.5 millimeters and agglomerated with cement. During testing, the material was leached for 143 days with a sodium cyanide solution. Periodic samples of the column solutions were taken throughout the leach period and submitted to Western Environmental Testing Laboratory (WETLAB) for Profile II analyses.

Two (2) of the column leach tests were conducted at a target temperature of 3°C in an enclosed refrigeration unit. The remaining six (6) column leach tests were conducted at ambient temperature (22°C) in an open air environment. Except for operating temperature, each column leach test was set up and conducted identically.

A summary of the gold and silver extraction results are presented in Tables 1-5 and 1-6, respectively.

The detailed column leach test work is presented in Section 6 of this report.

Table 1-5.
Eagle Gold Project
Summary of Column Leach Tests - Gold

KCA Sample No.	KCA Test No.	Description	Column Temp., °C	Calculated Head, gms Au/MT	Extracted, gms Au/MT	Extracted, % Au	Calculated ¹ Tail p80 Size, mm	Days of Leach	Consumption NaCN, kg/MT	Addition Cement, kg/MT
48158	63301	Environmental Composite	22	0.987	0.822	83%	6.1	143	1.24	3.03
48158	63304	Environmental Composite	22	0.980	0.825	84%	5.7	143	1.22	3.03
48158	63307	Environmental Composite	22	0.972	0.806	83%	6.4	143	1.27	3.03
48158	63310	Environmental Composite	22	1.093	0.929	85%	6.0	143	1.06	3.03
48158	63313	Environmental Composite	22	0.992	0.820	83%	6.4	143	1.40	3.03
48158	63316	Environmental Composite	22	0.991	0.826	83%	6.1	143	1.28	3.03
48158	63319	Environmental Composite	3	0.953	0.785	82%	6.0	143	1.27	3.02
48158	63322	Environmental Composite	3	1.074	0.909	85%	6.1	143	1.48	3.03

Note (1): For KCA Test Nos. 63301, 16 and 22, the Calculated Tail p80 values are the average of five (5) tests.

Table 1-6.
Eagle Gold Project
Summary of Column Leach Tests - Silver

KCA Sample No.	KCA Test No.	Description	Column Temp., °C	Calculated Head, gms Ag/MT	Extracted, gms Ag/MT	Extracted, % Ag	Calculated ¹ Tail p80 Size, mm	Days of Leach	Consumption NaCN, kg/MT	Addition Cement, kg/MT
48158	63301	Environmental Composite	22	0.51	0.32	62%	6.1	143	1.24	3.03
48158	63304	Environmental Composite	22	0.54	0.34	63%	5.7	143	1.22	3.03
48158	63307	Environmental Composite	22	0.50	0.33	65%	6.4	143	1.27	3.03
48158	63310	Environmental Composite	22	0.56	0.38	68%	6.0	143	1.06	3.03
48158	63313	Environmental Composite	22	0.51	0.30	59%	6.4	143	1.40	3.03
48158	63316	Environmental Composite	22	0.53	0.33	63%	6.1	143	1.28	3.03
48158	63319	Environmental Composite	3	0.49	0.29	60%	6.0	143	1.27	3.02
48158	63322	Environmental Composite	3	0.53	0.34	63%	6.1	143	1.48	3.03

Note (1): For KCA Test Nos. 63301, 16 and 22, the Calculated Tail p80 values are the average of five (5) tests.

1.5.2 Detoxification Test Work

Two (2) types of detoxification test work were conducted on the tailings material from the column leach tests: bacterial detox and hydrogen peroxide detox.

Bacterial detoxification was conducted on the tailings material from four (4) of the column leach tests (KCA Test Nos. 63301, 63304, 63307 and 63319). Detoxification was conducted utilizing bacteria culture in the form of a sugar-syrup mixture (GWS-BCY3) supplied to KCA by Jim Harrington at Alexco Environmental Group.

Hydrogen peroxide detoxification (copper catalyzed peroxide) was conducted on the tailings material from the remaining four (4) column leach tests (KCA Test Nos. 63310, 63313, 63316 and 63322).

The detailed detoxification test work is presented in Section 6.4 of this report.

A summary of the detoxification tests is presented in Table 1-7.

Table 1-7.
Eagle Gold Project
Summary of Detoxification Tests

KCA Sample No.	KCA Test No.	Description	Target p80 Size, mm	Test Temp., °C	Detox Type
48158	63301	Env. Comp. (Column Leach Tailings)	6.3	22	Bacterial
48158	63304	Env. Comp. (Column Leach Tailings)	6.3	22	Bacterial
48158	63307	Env. Comp. (Column Leach Tailings)	6.3	22	Bacterial
48158	63310	Env. Comp. (Column Leach Tailings)	6.3	22	Peroxide
48158	63313	Env. Comp. (Column Leach Tailings)	6.3	22	Peroxide
48158	63316	Env. Comp. (Column Leach Tailings)	6.3	22	Peroxide
48158	63319	Env. Comp. (Column Leach Tailings)	6.3	3	Bacterial
48158	63322	Env. Comp. (Column Leach Tailings)	6.3	3	Peroxide

1.5.3 Humidity Cell Test Work

Humidity cell test work was conducted on the detoxified tailings material from select column leach tests (KCA Test Nos. 63301, 63310, 63313, 63316 and 63322).

The procedure utilized for the humidity cell test work was modified from the ASTM standard procedure (D-5744). Each test was conducted in the original leach test column (152 millimeter diameter) utilizing the entire amount of detoxified sample material (39.20 to 39.40 kilograms). The top of each column was covered loosely to prevent excessive loss of moist air. The material in each column (p80 6.3 millimeters) was not flooded and drained according to standard ASTM procedure; instead solution was applied to the top of each column and allowed to percolate through the sample material.

Each humidity cell test was conducted and sampled in weekly cycles. For each weekly cycle, moist air (30°C) was first pumped up through the detoxified tailings material for a period of four (4) days at a target rate of 5 liters per minute. The moist air was then stopped, and distilled water was applied to the top of the column with a peristaltic pump for one day and then allowed to drain down for two (2) days. The moist air was then started again for the next weekly cycle.

A total of two (2) liters of the drain down solution was sampled at the end of each weekly cycle and submitted to WETLAB for a Profile II analysis. The solution submitted to WETLAB consisted of one liter of “raw” solution, and one liter of solution preserved with NaOH. The remainder of the drain down solution was stored.

At the end of each humidity cell test, the solution was allowed to drain and the tailings material was prepared for analyses.

A summary of the humidity cell tests is presented in Table 1-8.

The detailed humidity cell test work is presented in Section 6.5 of this report.

Table 1-8.
Eagle Gold Project
Summary of Humidity Cell Tests

KCA Sample No.	KCA Test No.	Description	Detox Type	Test Temp., °C	Date Started	Date Ended	Total Days
48158	63301	Env. Comp. (Detoxified Tailings)	Bacterial	22	3-Dec-12	16-Sep-13	287
48158	63310	Env. Comp. (Detoxified Tailings)	Hydrogen Peroxide	22	11-Nov-12	7-Dec-12	26
48158	63313	Env. Comp. (Detoxified Tailings)	Hydrogen Peroxide	22	11-Nov-12	7-Dec-12	26
48158	63316	Env. Comp. (Detoxified Tailings)	Hydrogen Peroxide	22	17-Nov-12	16-Sep-13	303
48158	63322	Env. Comp. (Detoxified Tailings)	Hydrogen Peroxide	3	17-Nov-12	16-Sep-13	303

1.5.4 Column Tailings Analyses

For select humidity cell tests (KCA Test Nos. 63301, 63316 and 63322), the tailings material was sampled in 20 centimeter intervals (from the top down) utilizing a clean vacuum apparatus. The interval samples were individually bagged, sealed and labeled. The interval tailings material was then shipped to SGS Mineral Services in Burnaby, Canada for analyses. The test work conducted by SGS Mineral Services is not included in this report.

The tailings material from KCA Test Nos. 63304, 63307, 63310, 63313 and 63319 were dumped, coned three (3) times and quartered. Two (2) opposite quarters were combined and utilized for compacted permeability test work. The remaining two (2) opposite quarters were combined, weighed and oven dried for moisture content. The dried tailings were then utilized for a tail screen analysis with assays by size fraction.

The purpose of the compacted permeability test work was to examine the permeability of the previously agglomerated tailings material under compaction loading equivalent to heap heights of 25, 50, 75, 100 and 125 meters of overall heap height.

All compacted permeability tests passed the criteria put forth by KCA.

The detailed compacted permeability test work is presented in Section 6.7 of this report.

1.6 Discussion

Overall, the calculated head values for gold compared well for the various tests conducted in this program. The gold and silver head values from each test routine along with a statistical analysis are presented in Table 1-9.

Column leach test extractions for gold ranged from 82% to 85% based on calculated heads which ranged from 0.972 to 1.093 grams per metric tonne. Silver extractions ranged from 59% to 68% based on calculated heads which ranged from 0.29 to 0.38 grams per metric tonne. The sodium cyanide consumptions ranged from 1.06 to 1.48 kilograms per metric tonne. The material utilized in leaching was agglomerated with 3.02 or 3.03 kilograms per metric tonne cement.

Select humidity cell tests (KCA Test Nos. 63301, 63310 and 63322) were tracked for total and WAD cyanide levels throughout the duration of the test period. Graphical presentations of the cyanide levels for the selected tests are presented in Figures 1-1 through 1-3.

Column test extraction results contained in the body of this report were based upon carbon assays vs. the calculated head (carbon assays + tail assays). Extraction results contained in Appendix A were based upon the daily solution assays vs. the calculated head (solution assays + tailings assays).

When an outside party submits samples, KCA can estimate gold extraction for an ore body based upon the assumption that the ore to be mined will be similar to the samples tested. For feasibility study purposes, KCA normally discounts laboratory gold extractions by two to three percentage points when estimating field extractions. KCA normally discounts laboratory silver extractions by three to five percentage points when estimating field recoveries. This assumes a well-managed heap leach operation, and if agglomeration is required, it is assumed that this process is completed correctly.

Based upon KCA's experience with mostly clean non-reactive ores, cyanide consumption in production heaps would be only 25 to 33 percent of the laboratory column test consumptions. For ores containing high amounts of leachable copper, higher factors should be utilized.

Table 1-9.
Eagle Gold Project
Summary of Overall Head Grades from Test Program

KCA Sample No.	Description	Average Assay, gms Au/MT	Weighted Avg. Head Assay, gms Au/MT	Bottle Roll Calc. Head, gms Au/MT	Column ¹ Carbon Calc. Head, gms Au/MT	Overall Average, gms Au/MT	Standard Deviation	Relative Standard Deviation
48158	Environmental Composite	0.961	1.077	0.678	0.971	0.922	0.171	19%

KCA Sample No.	Description	Average Assay, gms Ag/MT	Weighted Avg. Head Assay, gms Ag/MT	Bottle Roll Calc. Head, gms Ag/MT	Column ¹ Carbon Calc. Head, gms Ag/MT	Overall Average, gms Ag/MT	Standard Deviation	Relative Standard Deviation
48158	Environmental Composite	0.62	0.56	0.45	0.52	0.54	0.07	13%

Note (1): Column Carbon values are the average of five (5) tests.

Figure 1-1.
Eagle Gold Project
Environmental Composite
KCA Test No. 63301
Humidity Cell – Total and WAD cyanide

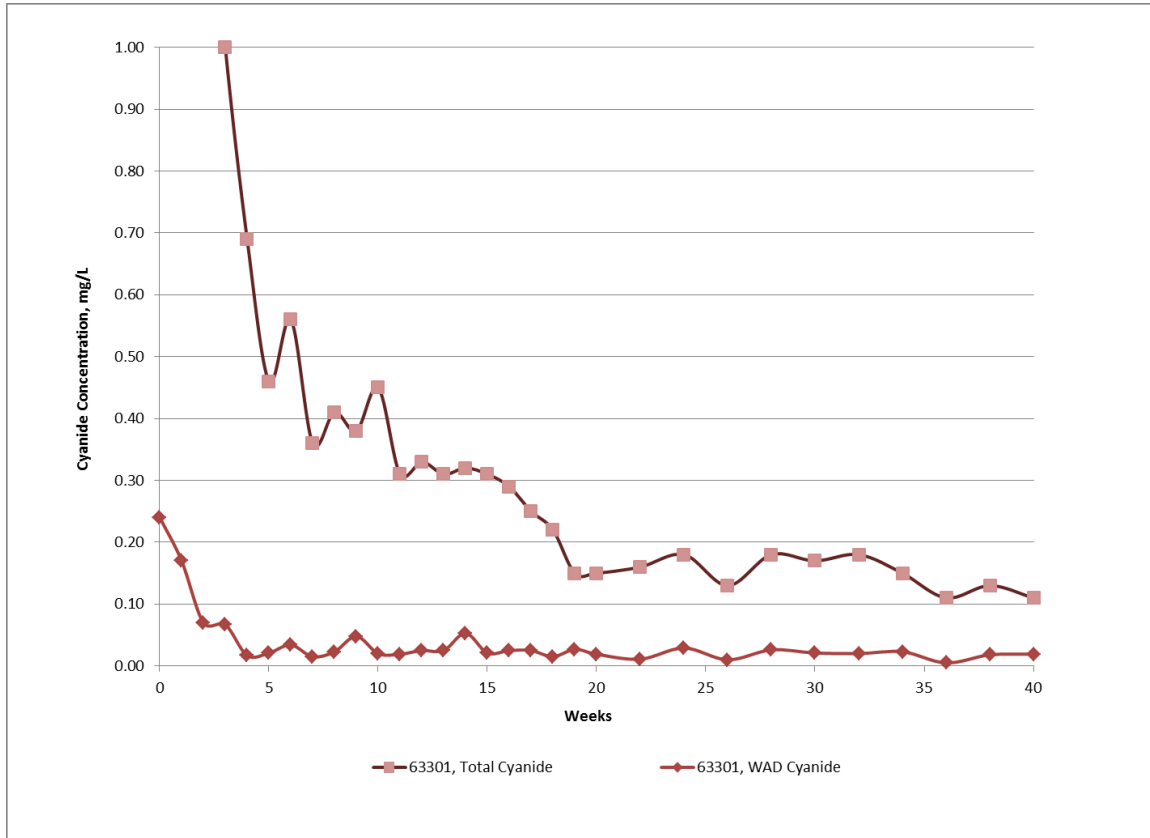


Figure 1-2.
Eagle Gold Project
Environmental Composite
KCA Test No. 63316
Humidity Cell – Total and WAD cyanide

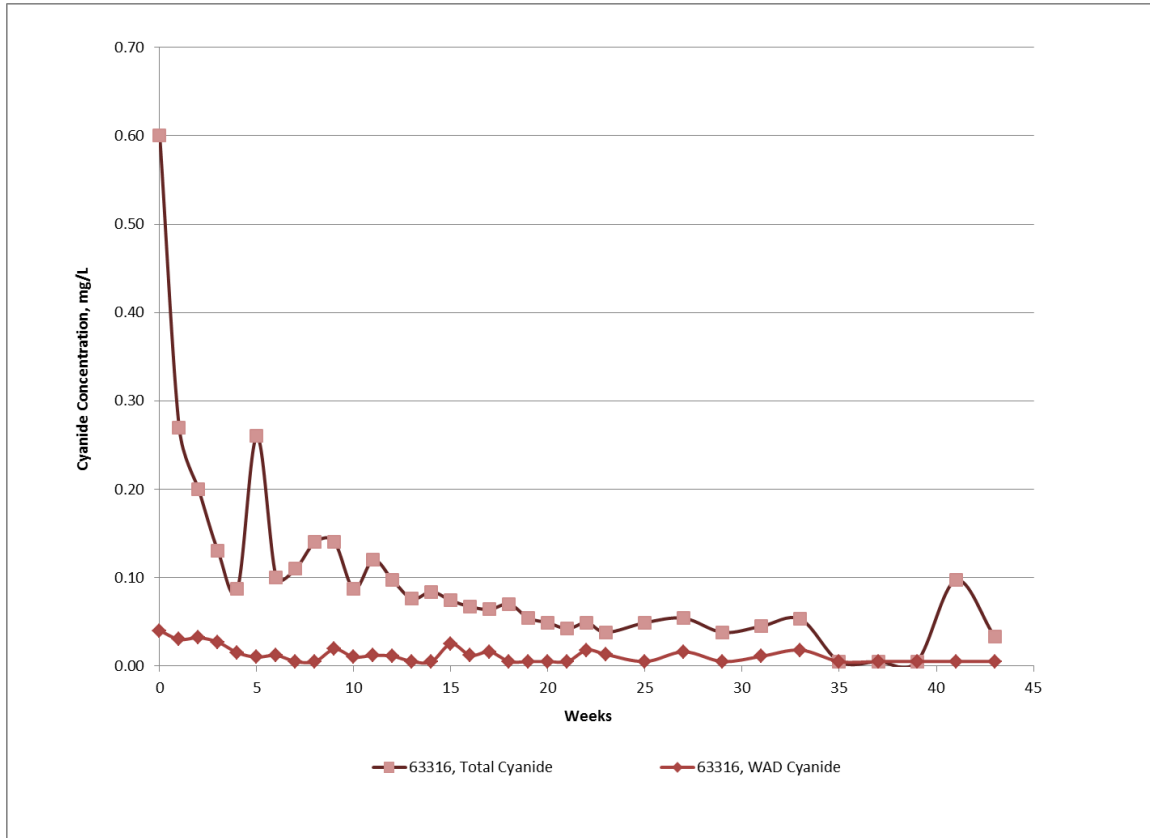
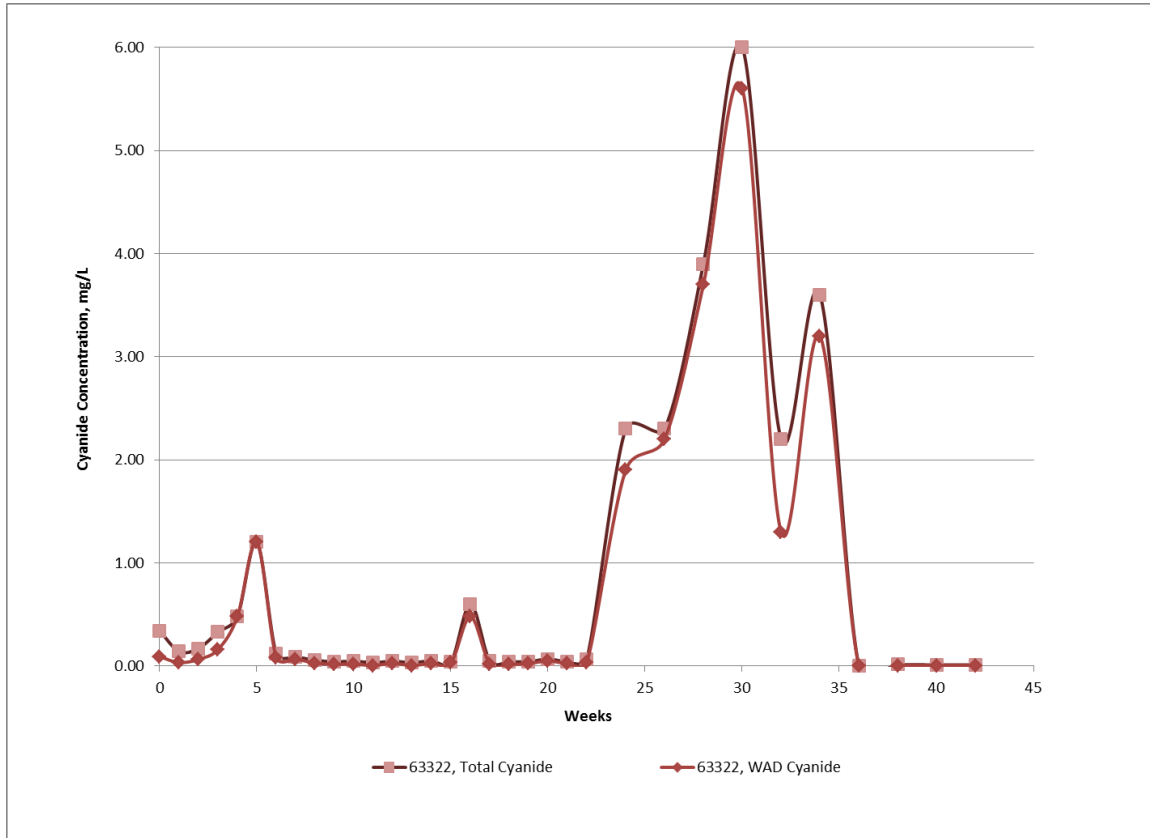


Figure 1-3.
Eagle Gold Project
Environmental Composite
KCA Test No. 63322
Humidity Cell – Total and WAD cyanide



2.0 Sample Receipt and Preparation

On 2 November 2009, the laboratory facility of KCA in Reno, Nevada received three (3) supersacks of bulk pit material from the Eagle Gold Project in the Central Yukon Territory. Each supersack represented a single sample (Pit 1, Pit 2 and Pit 3), and was assigned a unique sample number (KCA Sample Nos. 43180, 43181 and 43182). All three (3) samples were identified by the client as Type A material, and were prepared and utilized for metallurgical test work by KCA. The detailed sample receipt and preparation procedures were reported previously in KCA's Eagle Gold, June 2011 metallurgical report (Report I.D.: KCA0120018_EG03).

From each of the bulk pit samples (KCA Sample Nos. 43180, 43181 and 43182), a 150 kilogram portion of material was split out and combined to generate a single composite. The Pit 1, 2 and 3 Composite material was assigned a unique sample number (KCA Sample No. 48126) and was then prepared and utilized for metallurgical test work completed by KCA.

A summary of the Pit 1, 2 and 3 Composite generation is presented for reference in Table 2-1.

Table 2-1.
Eagle Gold Project
Pit 1, 2 and 3 Composite Generation

KCA Sample No.	Sample Description	Wt to Composite, kg
43180	Pit 1	150
43181	Pit 2	150
43182	Pit 3	150
Total Weight, kg		450

On 16 November 2011, the laboratory facility of KCA received twenty-six (26) core interval samples from the Eagle Gold Project. The samples consisted of half split HQ and PQ core, and were identified by interval length and ore type information provided by the client.

The received interval sample information is provided for reference in Table 2-2.

Each interval sample was assigned a unique sample number (KCA Sample Nos. 48127 through 48152) and was prepared and utilized for metallurgical test work by KCA. The results of the test work conducted on the Pit 1, 2 and 3 Composite and the interval samples were reported previously in KCA's Eagle Gold, October 2012 metallurgical report (Report I.D.: KCA0120142_EG06).

Table 2-2.
Eagle Gold Project
Interval Sample Receipt Information

KCA Sample No.	Client Sample ID	Drill Hole	Interval, m		Ore Type	Received Weight, kg
			From	To		
48127	DG11-MET-03	DG10-407C	98.45	112.16	A	31.38
48128	DG11-MET-05	DG11-412C	51.82	68.58	A	27.62
48129	DG11-MET-09	DG11-419C	83.82	96.01	A	25.38
48130	DG11-MET-12	DG11-416C	83.82	100.38	A	53.78
48131	DG11-MET-15	DG11-413C	91.74	105.16	A	61.62
48132	DG11-MET-21	DG10-410C	42.80	56.99	A	42.74
48133	DG11-MET-02	DG10-406C	63.09	82.88	B	64.16
48134	DG11-MET-04	DG11-412C	160.02	175.26	B	49.00
48135	DG11-MET-06	DG11-414C	173.74	192.02	B	60.16
48136	DG11-MET-08	DG11-417C	152.40	169.16	B	60.94
48137	DG11-MET-10	DG11-419C	108.20	123.44	B	64.88
48138	DG11-MET-14	DG10-409C	178.90	195.60	B	34.54
48139	DG11-MET-16	DG11-413C	129.54	144.78	B	38.80
48140	DG11-MET-13	DG11-416C	115.82	125.25	B	51.02
48141	DG11-MET-17	10BGC-GTH-07	214.10	230.90	B	58.62
48142	DG11-MET-22	10BGC-GTH-08	58.83	74.07	B	53.68
48143	DG11-MET-24	DG10-405C	29.60	44.80	B	38.38
48144	DG11-MET-01	DG10-406C	172.82	194.15	C	71.20
48145	DG11-MET-07	DG11-414C	86.87	97.54	C	16.54
48146	DG11-MET-11	DG11-419C	164.59	175.26	C	31.70
48147	DG11-MET-18	10BGC-GTH-07	141.00	156.20	C	57.66
48148	DG11-MET-19	10BGC-GTH-08	173.13	186.84	C	53.78
48149	DG11-MET-20	DG11-418C	102.11	117.35	C	52.80
48150	DG11-MET-23	DG10-411C	93.54	104.24	E	31.50
48151	DG11-MET-25	DG11-PQ-04	36.58	54.86	E	104.50
48152	DG11-MET-26	DG11-PQ-05	46.79	67.80	E	110.00

For the test work summarized in this report; reject material from each interval sample was utilized to generate four (4) Ore Type Composites based on information provided by the client.

Each Ore Type Composite was then combined and blended with a portion of reject material from the Pit 1, 2 and 3 Composite, and a portion of reject material from one interval sample (DG-MET-23, KCA Sample No. 48150). The newly generated composite was labeled as the Environmental Composite.

The Environmental Composite was prepared and utilized for head analyses, bottle roll leach test work and column leach test work. On the tailings material from each column leach test, detoxification test work was conducted. The detoxified tailings from select columns were further utilized for humidity cell test work. Additionally, the final tailings from select tests were utilized for compacted permeability test work.

2.1 Ore Type Composite Generation

A total of four (4) Ore Type Composites were generated from the received core material (Type A, B, C and E). Each composite was generated utilizing reject interval material prepared in a previous test program (Report I.D.: KCA0120142_EG06). Each composite was assigned a unique composite number (KCA Composite Nos. 48154 through 48157) and was utilized as a constituent for an Environmental Composite.

The Ore Type Composite generation information is presented in Tables 2-3 through 2-6.

Table 2-3.
Eagle Gold Project
Ore Type Composite Generation Information – Ore Type A
KCA Composite No. 48154

KCA Composite No.	KCA Sample No.	Sample I.D.	Hole I.D.	From, meters	To, meters	Total, meters	Ore Type	Wt. To Composite, kg
48154	48127	DG11-MET-03	DG10-407C	98.45	112.16	13.71	A	10.00
	48128	DG11-MET-05	DG11-412C	51.82	68.58	16.76	A	7.50
	48129	DG11-MET-09	DG11-419C	83.82	96.01	12.19	A	5.00
	48130	DG11-MET-12	DG11-416C	83.82	100.38	16.56	A	12.50
	48131	DG11-MET-15	DG11-413C	91.74	105.16	13.42	A	12.50
	48132	DG11-MET-21	DG10-410C	42.80	56.99	14.19	A	12.50
Total -								60.00

Table 2-4.
Eagle Gold Project
Ore Type Composite Generation Information – Ore Type B
KCA Composite No. 48155

KCA Composite No.	KCA Sample No.	Sample I.D.	Hole I.D.	From, meters	To, meters	Total, meters	Ore Type	Wt. To Composite, kg
48155	48133	DG11-MET-02	DG10-406C	63.09	82.88	19.79	B	14.50
	48134	DG11-MET-04	DG11-412C	160.02	175.26	15.24	B	14.50
	48135	DG11-MET-06	DG11-414C	173.74	192.02	18.28	B	14.50
	48136	DG11-MET-08	DG11-417C	152.40	169.16	16.76	B	14.50
	48137	DG11-MET-10	DG11-419C	108.20	123.44	15.24	B	14.50
	48138	DG11-MET-14	DG10-409C	178.90	195.60	16.70	B	14.50
	48139	DG11-MET-16	DG11-413C	129.54	144.78	15.24	B	14.50
	48140	DG11-MET-13	DG11-416C	115.82	125.25	9.43	B	14.50
	48141	DG11-MET-17	10BGC-GTH-07	214.10	230.90	16.80	B	14.50
	48142	DG11-MET-22	10BGC-GTH-08	58.83	74.07	15.24	B	14.50
	48143	DG11-MET-24	DG10-405C	29.60	44.80	15.20	B	14.50
Total -								159.50

Table 2-5.
Eagle Gold Project
Ore Type Composite Generation Information – Ore Type C
KCA Composite No. 48156

KCA Composite No.	KCA Sample No.	Sample I.D.	Hole I.D.	From, meters	To, meters	Total, meters	Ore Type	Wt. To Composite, kg
48156	48144	DG11-MET-01	DG10-406C	172.82	194.15	21.33	C	11.00
	48147	DG11-MET-18	10BGC-GTH-07	141.00	156.20	15.20	C	11.00
	48148	DG11-MET-19	10BGC-GTH-08	173.13	186.84	13.71	C	11.00
	48149	DG11-MET-20	DG11-418C	102.11	117.35	15.24	C	11.00
Total -								44.00

Table 2-6.
Eagle Gold Project
Ore Type Composite Generation Information – Ore Type E
KCA Composite No. 48157

KCA Composite No.	KCA Sample No.	Sample I.D.	Hole I.D.	From, meters	To, meters	Total, meters	Ore Type	Wt. To Composite, kg
48157	48151	DG11-MET-25	DG11-PQ-04	36.58	54.86	18.28	E	11.73
	48152	DG11-MET-26	DG11-PQ-05	46.79	67.80	21.01	E	11.73
Total -								23.46

2.2 Environmental Composite Generation

The Environmental Composite was generated by combining a portion of the previously generated Pit 1, 2 and 3 Composite material (KCA Sample No.48126), the four (4) Ore Type Composites (KCA Composite Nos. 48154 through 48157) and a portion of reject material from one interval sample (DG-MET-23, KCA Sample No. 48150) according to information provided by the client. The composite material was then assigned a unique sample number (KCA Sample No. 48158) and utilized for metallurgical test work.

The Environmental Composite generation information is presented in Table 2-7.

Table 2-7.
Eagle Gold Project
Environmental Composite Generation Information
KCA Sample No. 48158

KCA Sample/Composite No.	Description	Ore Type	Type of Material	Weight to Composite, kg	Weight to Composite, %
48126	Pit 1, 2 and 3	A	Surface Pit	59.5	17%
48154	DG11-MET-03, 05, 09, 12, 15, 21	A	Core	59.5	17%
48155	DG11-MET-02, 04, 06, 08, 10, 14, 16, 13, 17, 22, 24	B	Core	159.5	45%
48156	DG11-MET-01, 18, 19, 20	C	Core	44.0	13%
48150	DG-MET-23	E	Core	5.25	1%
48157	DG11-MET-25, 26	E	Core	23.45	7%
Total:				351.2	100%

2.3 Environmental Composite Preparation

The Environmental Composite was prepared as follows:

1. The individual constituents of the Environmental Composite were combined and blended. The entire composite was then stage crushed to 100% passing 9.5 millimeters and size adjusted to a target size of 80% passing 6.3 millimeters. The size adjusted material was recombined, coned three (3) times and quartered.
2. Two (2) opposite quarters were labeled (A_1 and A_2) and set aside.
3. The remaining two (2) opposite quarters were combined, coned three (3) times and quartered.
4. Three (3) quarters were labeled (A_3 , A_4 and A_5) and set aside.
5. The remaining quarter was coned three (3) times and quartered.
6. One quarter was labeled (A_6) and set aside.
7. The remaining three (3) quarters were labeled (B_1 , B_2 and B_3) and set aside.
8. The labeled material (A_1 , A_2 , A_3 , A_4 , A_5 and A_6) was combined, coned three (3) times and quartered.
9. Two (2) opposite quarters were labeled (C_1 and C_2) and set aside.
10. The remaining two (2) opposite quarters were combined, coned three (3) times and quartered. Each quarter was utilized for an agglomerated (150 millimeter diameter) column leach test.
11. The labeled material (C_1 and C_2) was combined, coned three (3) times and quartered. Each quarter was utilized for an agglomerated (150 millimeter diameter) column leach test.
12. The labeled material (B_1 , B_2 and B_3) was combined, coned three (3) times and quartered.
13. From one quarter, three (3) 2 kilogram portions were split out and utilized for preliminary agglomeration testing. The reject portion was stored.
14. A second quarter was weighed and oven dried for moisture content. The dried material was then utilized for a wet head screen analysis with assays by size fraction. The material was screened at 9.5, 6.3, 1.70, 0.600, 0.212 and 0.075 millimeters. Each size fraction was weighed and the weight reported. Each size fraction was then crushed to a nominal top size of 1.70 millimeters (as required)

- and two (2) portions were split from the crushed material. The portions were individually ring and puck pulverized to a target size of 80% passing 0.075 millimeters (as necessary), and each pulverized portion was assayed for gold and silver content.
15. A third quarter was stored.
 16. The remaining quarter was crushed to a nominal size of 1.70 millimeters.
 17. From the nominal 1.70 millimeter material, two (2) 500 gram portions were split out and individually ring and puck pulverized to a target size of 80% passing 0.075 millimeters. The pulverized portions were utilized for head analyses.
 18. From the nominal 1.70 millimeter material, a 1,200 gram portion was split out and ring and puck pulverized to a target size of 80% passing 0.075 millimeters. From the pulverized material, 1,000 grams were split out and utilized for a bottle roll leach test. The remaining material from this quarter was stored.

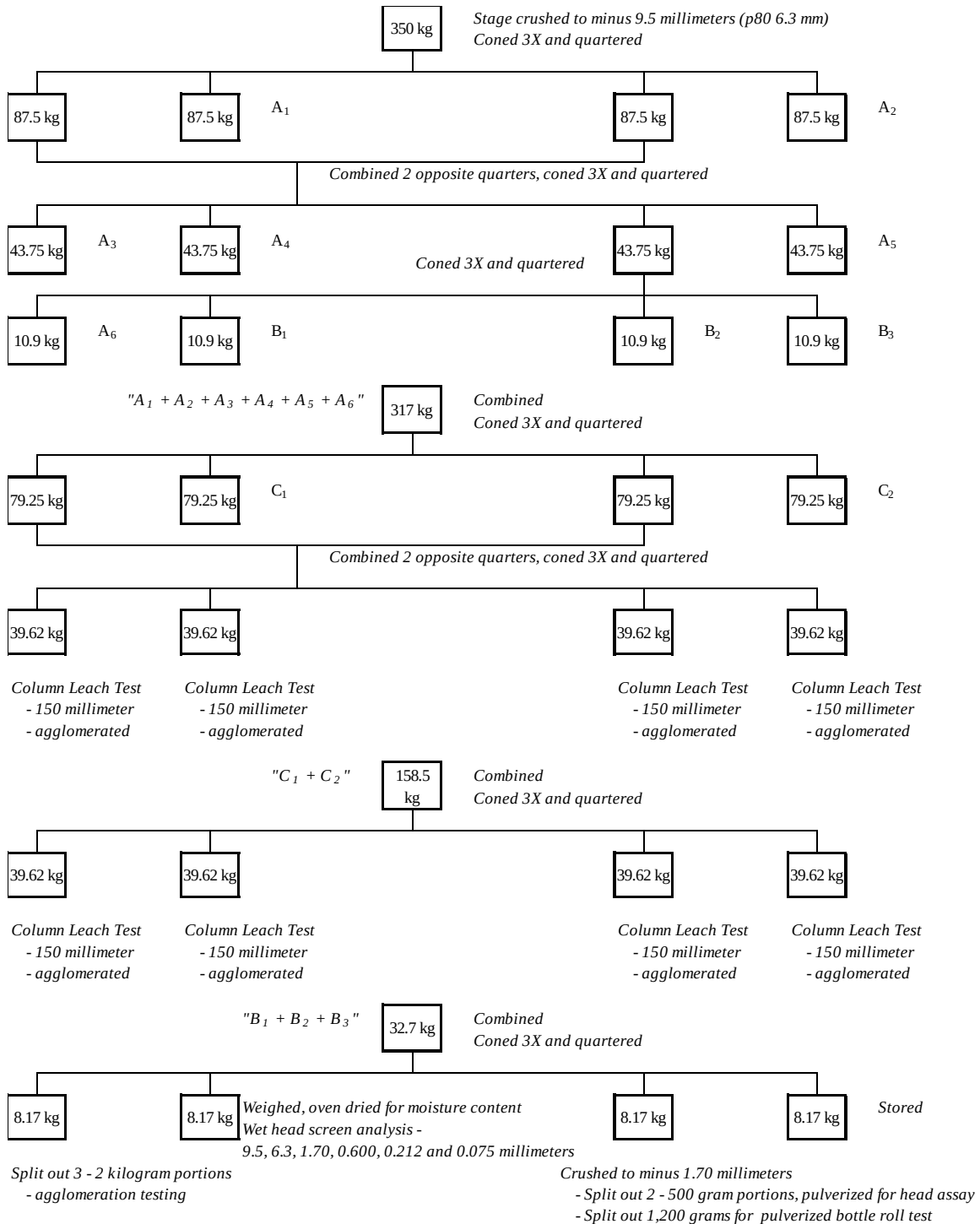
The sample preparation flow sheet for the Environmental Composite (KCA Sample No. 48158) is presented in Figure 2-1.

A summary of the calculated moisture content of the Environmental Composite is presented in Table 2-8.

Table 2-8.
Eagle Gold Project
Moisture Content Summary

KCA Sample No.	Description	Wet Wt., kg	Dry Wt., kg	Moisture, %	Calc. Moisture Content, L/MT _{dryore}
48158	Environmental Composite	8.17	8.10	1%	8.6

Figure 2-1.
Eagle Gold Project
KCA Sample No. 48158
Environmental Composite - Sample Preparation



3.0 Head Analyses

Portions of the head material from the Environmental Composite were ring and puck pulverized and analyzed for gold and silver by standard fire assay and wet chemistry methods. Head material was also assayed semi-quantitatively for an additional series of elements and for whole rock constituents. In addition to these semi-quantitative analyses, the head material was assayed by quantitative methods for carbon, sulfur and mercury. A cyanide shake test was also conducted on a portion of the pulverized head material.

In addition to the analyses on pulverized head material, a portion of crushed composite material (target p80 6.3 millimeters) was utilized for head screen analyses with assays by size fraction.

3.1 Head Analyses for Gold and Silver

Head analyses for gold and silver were conducted on the sample material. A portion of the head material was crushed to 100% passing 1.70 millimeters. From the blended minus 1.70 millimeter material, duplicate 500 gram splits were individually ring and puck pulverized to a target size of 80% passing 0.075 millimeters. Gold content was determined using standard fire assay methods with flame atomic absorption spectrophotometric (FAAS) finish. Silver content was determined using wet chemistry methods (4-acid digestion) with FAAS finish.

The results of the head analyses for gold and silver are presented in Table 3-1.

Table 3-1.
Eagle Gold Project
Head Analyses – Gold and Silver

KCA Sample No.	Description	Assay 1, gms Au/MT	Assay 2, gms Au/MT	Average Assay, gms Au/MT
48158	Environmental Composite	0.926	0.995	0.961

KCA Sample No.	Description	Assay 1, gms Ag/MT	Assay 2, gms Ag/MT	Average Assay, gms Ag/MT
48158	Environmental Composite	0.62	0.62	0.62

3.2 Head Analyses for Carbon and Sulfur

Head analyses for carbon and sulfur were conducted utilizing a LECO CS 230 unit. In addition to total carbon and sulfur analyses, speciation for organic and inorganic carbon and speciation for sulfide and sulfate sulfur were conducted.

The results of the carbon and sulfur analyses are presented in Table 3-2.

Table 3-2.
Eagle Gold Project
Head Analyses – Carbon and Sulfur

KCA Sample No.	Description	Total Carbon, %	Organic Carbon, %	Inorganic Carbon, %	Total Sulfur, %	Sulfide Sulfur, %	Sulfate Sulfur, %
48158	Environmental Composite	0.40	0.09	0.31	0.22	0.10	0.13

3.3 Head Analyses for Mercury and Copper

Head analyses for mercury were conducted utilizing cold vapor/atomic absorption methods. Total copper analyses were conducted utilizing inductively coupled argon plasma – optical emission spectrophotometer (ICAP-OES) as well as by FAAS methods.

The results of the mercury and copper analyses are presented in Table 3-3.

Table 3-3.
Eagle Gold Project
Head Analyses – Mercury and Copper

KCA Sample No.	Description	Total Mercury, mg/kg	Total Copper, mg/kg	Cyanide Soluble Copper, mg/kg	Cyanide Soluble Copper, %
48158	Environmental Composite	<0.05	61	11.66	19%

3.4 Head Analyses for Multi-elements

Semi-quantitative analyses were conducted by means of an ICAP-OES for a series of individual elements and whole rock constituents (lithium metaborate fusion/ICAP).

The results of the multi-element analyses are presented in Table 3-4. The results of the whole rock analyses are presented in Table 3-5.

Table 3-4.
Eagle Gold Project
Head Analyses – Multi-element Analyses

Constituent	Unit	Environmental Composite KCA Sample No. 48158
Al	%	8.38
As	mg/kg	450
Ba	mg/kg	1457
Bi	mg/kg	50
C _(total)	%	0.40
C _(organic)	%	0.09
C _(inorganic)	%	0.31
Ca	%	1.92
Cd	mg/kg	<1
Co	mg/kg	11
Cr	mg/kg	112
Cu _(total)	mg/kg	61
Cu _(cyanide soluble)	mg/kg	11.66
Fe	%	2.58
Hg	mg/kg	<0.05
K	%	4.25
Mg	%	0.83
Mn	mg/kg	241
Mo	mg/kg	3
Na	%	1.43
Ni	mg/kg	31
Pb	mg/kg	142
S _(total)	%	0.22
S _(sulfide)	%	0.10
S _(sulfate)	%	0.13
Sb	mg/kg	39
Se	mg/kg	<5
Sr	mg/kg	352
Te	mg/kg	10
Ti	%	0.28
V	mg/kg	43
W	mg/kg	75
Zn	mg/kg	141

Table 3-5.
Eagle Gold Project
Head Analyses – Lithium Metaborate Fusion – Whole Rock Analyses

Constituent	Unit	Environmental Composite KCA Sample No. 48158	
SiO ₂	%	65.43	
Si	%		30.59
Al ₂ O ₃	%	15.37	
Al	%		8.14
Fe ₂ O ₃	%	3.79	
Fe	%		2.65
CaO	%	2.89	
Ca	%		2.07
MgO	%	1.36	
Mg	%		0.82
Na ₂ O	%	1.86	
Na	%		1.38
K ₂ O	%	5.13	
K	%		4.26
TiO ₂	%	0.47	
Ti	%		0.28
MnO	%	0.03	
Mn	%		0.02
SrO	%	0.04	
Sr	%		0.03
BaO	%	0.21	
Ba	%		0.19
Cr ₂ O ₃	%	0.02	
Cr	%		0.01
P ₂ O ₅	%	0.13	
P	%		0.06
LOI _{1090°C}	%	3.11	
SUM	%	99.84	

Note: The SUM is the total of the oxide constituents and the loss on ignition.

3.5 Cyanide Soluble Analyses

A cyanide shake test was conducted utilizing a portion of the pulverized head material. This test provided a preliminary indication of cyanide soluble metal extractions from pulverized material.

The cyanide shake test was conducted as follows:

1. A 15 gram portion of the pulverized material was placed into a 50 milliliter centrifuge tube with a screw cap.
2. A volume equivalent to 30 milliliters of 5 gram per liter sodium cyanide (gpL NaCN) solution at ambient temperature was then added.
3. The pulp and cyanide solution were mixed well by shaking.
4. The slurry was then agitated on a table action shaker for a 24 hour leach test at room temperature.
5. The slurry was then centrifuged and the resulting clear solution was analyzed for pH and gold, silver and copper utilizing FAAS methods.
6. If the pH of the solution was less than pH 9.0 the test was re-run with the addition of 0.1 grams of hydrated lime ($\text{Ca}(\text{OH})_2$).
7. The residue was discarded.

The results of the cyanide shake test is presented in Table 3-6.

Table 3-6.
Eagle Gold Project
Head Analyses – Cyanide Shake Tests

KCA Sample No.	Description	Avg. Head Assay, gms Au/MT	Avg. Head Assay, gms Ag/MT	Leach Results								
				Final pH	Au, mg/L	Ag, mg/L	Cu, mg/L	Extraction, gms Au/MT	Extraction, gms Ag/MT	Extraction, mg Cu/kg	Est. Ext., Au, %	Est. Ext., Ag, %
48158	Environmental Composite	0.961	0.62	10.1	0.36	0.18	5.83	0.720	0.36	11.66	75%	58%

3.6 Head Screen Analyses with Assays by Size Fraction

The material apportioned for the head screen was initially wet screened at 0.075 millimeters. The minus 0.075 millimeter material was filtered, dried and weighed. The oversized material was dried and then dry screened at 9.5, 6.3, 1.70, 0.600, 0.212 and 0.075 millimeters. The dry screened minus 0.075 millimeter material was then combined with the wet screened material. Each separate size fraction was then weighed and the weights reported.

From each size fraction two (2) portions were split out and individually pulverized to the target size of 80% passing 0.075 millimeters, as necessary. The portions were then assayed using standard fire assaying methods for gold with FAAS finish and wet chemistry methods for silver.

A summary of the head screen analysis is presented in Table 3-7. The head screen analysis is presented graphically in Figure 3-1 and the detailed results are presented in Table 3-8.

Table 3-7.
Eagle Gold Project
Summary of Head Screen Analysis

KCA Sample No.	Description	Calc. p80 Size, mm	Weighted Avg. Head Assay, gms Au/MT	Weighted Avg. Head Assay, gms Ag/MT
48158	Environmental Composite	5.97	1.077	0.56

Figure 3-1.
Eagle Gold Project
Environmental Composite
Head Screen Analysis

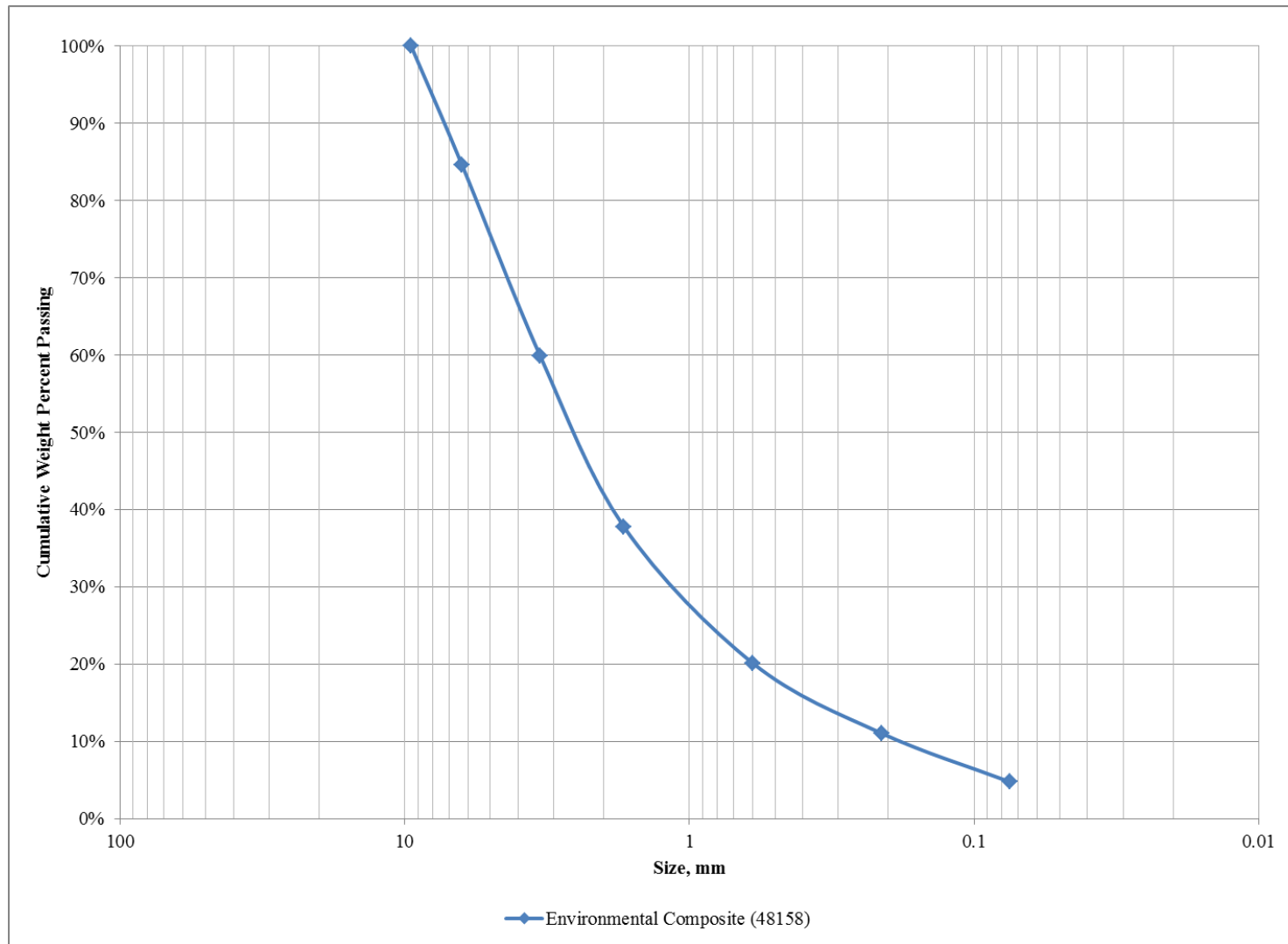


Table 3-8.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
Crushed Material, Calculated 80% passing 5.97 millimeters
Head Screen Analysis with Assays by Size Fraction

KCA Sample No.	Passing, mm	Retained, mm	Wet Screen Analysis				Analysis of Gold Content			
			Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Assay 1, gms Au/MT	Assay 2, gms Au/MT	Average Assay, gms Au/MT	Weight Au, %
48158		9.5	0.00				---	---	---	---
	9.5	6.3	1.22	15.4%	15.4%	100.0%	0.792	1.138	0.965	13.8%
	6.3	3.35	1.96	24.7%	40.1%	84.6%	1.471	1.046	1.258	28.8%
	3.35	1.70	1.76	22.2%	62.2%	59.9%	0.617	0.813	0.715	14.7%
	1.70	0.600	1.40	17.6%	79.8%	37.8%	1.063	0.627	0.845	13.8%
	0.600	0.212	0.72	9.1%	88.9%	20.2%	1.063	1.320	1.191	10.0%
	0.212	0.075	0.50	6.3%	95.2%	11.1%	2.839	1.169	2.004	11.7%
	0.075	Pan	0.38	4.8%	100.0%	4.8%	1.670	1.519	1.594	7.1%
Total -			7.94	100.0%			1.164	0.990	1.077	100.0%
Detection -							0.006	0.006		

KCA Sample No.	Passing, mm	Retained, mm	Wet Screen Analysis				Analysis of Silver Content			
			Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Assay 1, gms Ag/MT	Assay 2, gms Ag/MT	Average Assay, gms Ag/MT	Weight Ag, %
48158		9.5	0.00				---	---	---	---
	9.5	6.3	1.22	15.4%	15.4%	100.0%	0.41	0.41	0.41	11.3%
	6.3	3.35	1.96	24.7%	40.1%	84.6%	0.41	0.41	0.41	18.2%
	3.35	1.70	1.76	22.2%	62.2%	59.9%	0.62	0.62	0.62	24.5%
	1.70	0.600	1.40	17.6%	79.8%	37.8%	0.62	0.62	0.62	19.5%
	0.600	0.212	0.72	9.1%	88.9%	20.2%	0.62	0.62	0.62	10.0%
	0.212	0.075	0.50	6.3%	95.2%	11.1%	0.79	0.79	0.79	8.9%
	0.075	Pan	0.38	4.8%	100.0%	4.8%	0.79	0.99	0.89	7.6%
Total -			7.94	100.0%			0.55	0.56	0.56	100.0%
Detection -							0.21	0.21		

4.0 Bottle Roll Leach Test Work

Bottle roll leach testing was conducted on a portion of the Environmental Composite material. A 1,000 gram portion of head material was ring and puck pulverized to a target size of 80% passing 0.075 millimeters. The pulverized material was then utilized for leach testing.

The bottle roll test procedure is outlined in the following:

1. One 1,000 gram split of pulverized material was placed into a 2.5 liter bottle and slurried with 1,500 milliliters of tap water.
2. The slurry was mixed thoroughly and the pH of the slurry checked. The pH of the slurry was adjusted, as required, to 10.5 to 11.0 with hydrated lime.
3. Sodium cyanide was added to the slurry to a target amount of 1.0 grams per liter sodium cyanide. The bottle was then placed onto a set of laboratory rolls. Rolling throughout the duration of the test mixed the slurry.
4. The slurry was checked at 2, 4, 8, 24 and 48 hours for pH, dissolved oxygen (DO), NaCN, Au, Ag and Cu.
5. Additional hydrated lime and sodium cyanide were added after each sample period, if required, to adjust the slurry to the target levels.
6. After completion of the leach period, the slurry was filtered, washed and dried.

From the dry tailings, duplicate portions were split out and assayed for residual gold and silver content. The reject material was stored.

These laboratory tests were conducted with hydrated lime for pH control. A discussion regarding the available lime index for the hydrated lime ($\text{Ca}(\text{OH})_2$) and lime (CaO) utilized by KCA is presented in Section 7 of this report.

The gold and silver extraction results of the bottle roll test are summarized in Tables 4-1 and 4-2, respectively. The detailed results are presented in Table 4-3.

Table 4-1.
Eagle Gold Project
Milled Cyanide Bottle Roll Leach Test
Gold Extraction Summary

KCA Sample No.	KCA Test No.	Sample I.D.	Target p80 Size, mm	Avg. Head Assay, gms Au/MT	Calculated Head, gms Au/MT	Extracted, gms Au/MT	Avg. Tails, gms Au/MT	Au Extracted, %	Leach Time, hours	Consumption NaCN, kg/MT	Addition Ca(OH) ₂ , kg/MT
48158	63511 B	Environmental Composite	0.075	0.961	0.678	0.623	0.055	92%	48	0.29	1.00

Table 4-2.
Eagle Gold Project
Milled Cyanide Bottle Roll Leach Test
Silver Extraction Summary

KCA Sample No.	KCA Test No.	Sample I.D.	Target p80 Size, mm	Avg. Head Assay, gms Ag/MT	Calculated Head, gms Ag/MT	Extracted, gms Ag/MT	Avg. Tails, gms Ag/MT	Ag Extracted, %	Leach Time, hours	Consumption NaCN, kg/MT	Addition Ca(OH) ₂ , kg/MT
48158	63511 B	Environmental Composite	0.075	0.62	0.45	0.24	0.21	54%	48	0.29	1.00

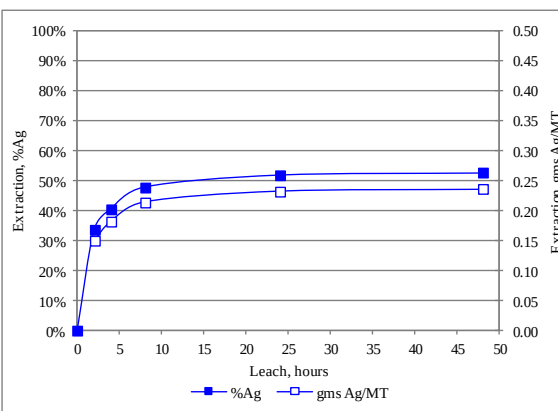
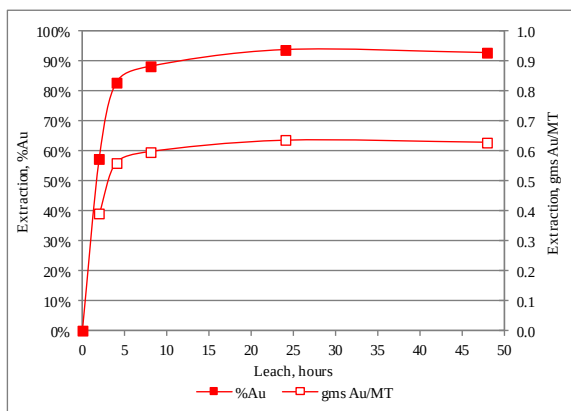
Table 4-3.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63511 B
Cyanide Bottle Roll Leach Test, Target 1.0 grams per liter NaCN
Pulverized Material, Target 80% passing 0.075 millimeters
(1,000 grams solids + 1,500 milliliters solution)

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mL***	Volume In, mL***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Au/L	Solution AAS, mg Cu/L	Extracted, gms Au/MT	Cumulative Au Extraction, %
48158	63511 B	0	8.4	--	--	--	1.50	1.00	--	--	1,000	1,500	--	--	--	0%
		2	10.8	3.8	0.92	0.92	0.00	0.00	20	20	1,000	1,500	0.26	4.60	0.390	58%
		4	10.8	>20	0.90	0.90	0.00	0.00	20	20	1,000	1,500	0.37	5.10	0.560	83%
		8	10.6	16.9	0.87	0.87	0.20	0.00	20	20	1,000	1,500	0.39	5.55	0.598	88%
		24	10.5	13.1	0.93	0.93	0.00	0.00	20	20	1,000	1,500	0.41	7.21	0.635	94%
		48	10.5	7.6	0.89	0.89	--	--	20	20	1,000	1,500	0.40	8.12	0.629	93%
Filtrate + Wash:												2,550	0.23	--	0.623	92%
Chemical Consumptions															0.055	
Sodium Cyanide, kilograms NaCN per dry tonne of ore:															0.055	
Hydrated lime, kilograms Ca(OH) ₂ per dry tonne of ore:															0.678	
Extracted, %:															92%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.

KCA Sample No.	KCA Test No.	Period, hours	pH*	Dissolved Oxygen, mg/L**	Free NaCN, gpL*	Total NaCN, gpL*	Added NaCN, grams	Added Ca(OH) ₂ , grams	Volume Out, mL***	Volume In, mL***	Feed Ore Wt., grams	Total Solution Volume, mLs	Solution AAS, mg Ag/L	Solution AAS, mg Cu/L	Extracted, gms Ag/MT	Cumulative Ag Extraction, %
48158	63511 B	0	8.4	--	--	--	1.50	1.00	--	--	1,000	1,500	--	--	--	0%
		2	10.8	3.8	0.92	0.92	0.00	0.00	20	20	1,000	1,500	0.10	4.60	0.15	33%
		4	10.8	>20	0.90	0.90	0.00	0.00	20	20	1,000	1,500	0.12	5.10	0.18	41%
		8	10.6	16.9	0.87	0.87	0.20	0.00	20	20	1,000	1,500	0.14	5.55	0.21	48%
		24	10.5	13.1	0.93	0.93	0.00	0.00	20	20	1,000	1,500	0.15	7.21	0.23	52%
		48	10.5	7.6	0.89	0.89	--	--	20	20	1,000	1,500	0.15	8.12	0.24	52%
Filtrate + Wash:												2,550	0.09	--	0.24	54%
Chemical Consumptions															0.21	
Sodium Cyanide, kilograms NaCN per dry tonne of ore:															0.21	
Hydrated lime, kilograms Ca(OH) ₂ per dry tonne of ore:															0.45	
Extracted, %:															54%	

Notes: (*) - Before chemical additions. (**) - Sparged with oxygen when below 4. (***) - 20 mLs removed at each sampling interval and replaced with fresh water.



5.0 Agglomeration Test Work

Preliminary agglomeration test work was conducted on portions of the Environmental Composite material.

5.1 Preliminary Agglomeration Test Work

The purpose of the preliminary agglomeration tests was to examine the permeability of the material under various cement agglomeration levels. The percolation tests were conducted in small (75 millimeter inside diameter) columns at a range of cement levels with no compressive load applied.

A total of three (3) agglomeration tests were conducted utilizing 2 kilogram portions of material crushed to the size of 100% passing 9.5 millimeters and agglomerated with 0, 2.5 or 5 kilograms cement per metric tonne of dry ore.

The procedure utilized for these tests was as follows:

1. A 2 kilogram split of material was placed into an agglomerating drum and the specified amount of cement was added.
2. The drum was rotated for several minutes to mix the material and cement thoroughly.
3. The material was sprayed with tap water to form the agglomerates and the amount of water required was recorded.
4. The agglomerates were then placed into a 75 millimeter inside diameter column and the initial material height was recorded. The agglomerates were allowed to cure for a period of 24 hours.
5. Solution was applied to the column at a rate of 10 to 12 liters per hour per square meter of column surface area for 72 hours. Changes in the height of the material in the column, agglomerate stability and percolation problems were recorded.
6. After 72 hours of solution application, the sides of the column were tapped sharply until the material height within the column remained stable. The final material height was then recorded.
7. The exit line from the column was clamped off and the column was flooded with solution to a level equal to 75 millimeters above the material surface.
8. The clamp was removed and while the solution level above the material was maintained, the solution flow rate from the bottom of the column was measured.

5.2 Discussion of Preliminary Agglomeration Test Work

This type of agglomeration test work is very preliminary but does serve to provide an indication of whether or not agglomeration will be required for the processing of the material at the tested crushed sizes. These specific tests should be indicative of cement requirements for a single lift heap having an overall height of not more than 8 meters. If a multiple lift heap leach operation is being developed then additional agglomeration test work will be required and this test work should include test work that examines the material under a static load.

For agglomeration test work conducted by KCA, the parameters that are typically examined are slump, maximum flow rate, agglomerate pellet break down (when material is agglomerated) and discharge solution color and clarity (or the “visual” turbidity of the solution). Guidelines that KCA utilizes when reviewing the results from this type of test are presented in the following:

1. In KCA’s non-compacted agglomeration tests, a slump of over 10% is generally an indication of failure. One item also examined is the consistency of results with regard to slump. If things worked perfectly, a lower slump with higher cement levels could be expected.
2. A typical heap leach solution application rate of 10 to 12 liters per hour per square meter is utilized when examining the agglomeration data. When examining results from this type of agglomeration test a measured flow of one hundred times (100X) the heap design rate is considered a “pass”. A measured flow less than 100X the heap design flow is not necessarily a failure. If there are enough tests with enough consistency between tests, and all other points indicate a “pass,” and then sometimes a test will pass with less than the 100X flow. However, a test will not likely pass at 10X and probably not at 40X.
3. In examining the Pellet Breakdown, about 10% is marginally acceptable and anything higher is a failure. In general, a higher range is allowable in Pellet Breakdown as this is a subjective value based on the visual observation of the pellets after the test by the technicians performing the test. When the samples tested are not agglomerated using cement, this test is not applicable.
4. Solution color and clarity typically is an indicator of agglomerate failure and fines migration. This information is utilized in coordination with both slump as well as Pellet Breakdown to determine if the test passes.

All agglomeration tests passed the criteria put forth by KCA. The pH of the material was low in the tests which did not utilize cement; the addition of lime can resolve this problem.

After completion of this portion of the test program, and after discussion with the client, the material utilized for each column leach test was agglomerated with 3 kilograms cement per metric tonne of dry ore.

The complete results of the preliminary agglomeration test program (including a pass/fail analysis) are shown in Table 5-1.

Table 5-1.
Eagle Gold Project
Summary of Preliminary Agglomeration Test Work

KCA Sample No.	KCA Test No.	Description	Top Size of Material, mm	Cement, kg/MT _{dry ore}	Water Added, mLs	Column Area, m ²	Dry Weight, kg	Initial Height, cm	Final Height, cm	pH on Day 3	pH Comment	Slump, %	Slump Result	Apparent Bulk Density, MT _{dry} /M ³	Flow Out, LpHr/m ²	Flow Result	Visual Estimate of % Pellet Breakdown	Pellet Result	Out Flow Solution, Color and Clarity	Solution Result	Overall Test Result
48158	48160	Environmental Composite	9.5	0	0.00	0.005	2.0	32.39	32.39	8.2	Low	0%	Pass	1.35	10,607	Pass	< 3	Pass	Brown and Cloudy	Fail	Pass
48158	48160	Environmental Composite	9.5	2.5	75.35	0.005	2.0	34.29	34.29	11.8	High	0%	Pass	1.28	25,305	Pass	< 3	Pass	Clear and Colorless	Pass	Pass
48158	48160	Environmental Composite	9.5	5	81.39	0.005	2.0	34.93	34.93	12.0	High	0%	Pass	1.26	23,759	Pass	< 3	Pass	Clear and Colorless	Pass	Pass

6.0 Column Leach Test Work

A total of eight (8) column leach tests were completed on portions of the Environmental Composite material. Each test utilized material crushed to the size of 100% passing 9.5 millimeters and agglomerated with cement. During testing, the material was leached for 143 days with a sodium cyanide solution. Periodic samples of the column solutions were taken throughout the leach period and submitted to Western Environmental Testing Laboratory (WETLAB) for Profile II analyses.

Two (2) of the column leach tests were conducted at a target temperature of 3°C in an enclosed refrigeration unit. The remaining six (6) column leach tests were conducted at ambient temperature (22°C) in an open air environment. Except for operating temperature, each column leach test was set up and conducted identically.

The column leach test parameters are presented in Table 6-1.

Table 6-1.
Eagle Gold Project
Column Leach Test Parameters

KCA Sample No.	KCA Test No.	Description	Column Temp. °C	Target p80 Size, mm	Column Diameter, meters	Initial Charge Height, meters	Charge ¹ Weight, kilograms
48158	63301	Environmental Composite	22	6.3	0.152	1.530	39.28
48158	63304	Environmental Composite	22	6.3	0.152	1.543	39.24
48158	63307	Environmental Composite	22	6.3	0.152	1.524	39.28
48158	63310	Environmental Composite	22	6.3	0.152	1.556	39.24
48158	63313	Environmental Composite	22	6.3	0.152	1.543	39.20
48158	63316	Environmental Composite	22	6.3	0.152	1.518	39.28
48158	63319	Environmental Composite	3	6.3	0.152	1.492	39.40
48158	63322	Environmental Composite	3	6.3	0.152	1.562	39.28

Note (1): For KCA Test Nos. 63301, 16 and 22, the Charge Weight value is the average of five (5) tests.

6.1 Column Leach Test Extractions

Gold extractions ranged from 82% to 85% based on calculated heads which ranged from 0.972 to 1.093 grams per metric tonne. Silver extractions ranged from 59% to 68% based on calculated heads which ranged from 0.29 to 0.38 grams per metric tonne. The sodium cyanide consumptions ranged from 1.06 to 1.48 kilograms per metric tonne. The material utilized in leaching was agglomerated with 3.02 or 3.03 kilograms per metric tonne cement.

The metal extractions are summarized in Table 6-2 and presented graphically in Figure 6-1. The metal extraction data for the individual tests are presented in Tables 6-3 through 6-10.

Table 6-2.
Eagle Gold Project
Cyanide Column Leach Test Work
Extraction of Metal onto Granular Activated Carbon
Summary of Metal Extractions and Chemical Consumptions

KCA Sample No.	KCA Test No.	Description	Column Temp., °C	Target p80 Size, mm	Calculated Head, gms Au/MT	Extracted, gms Au/MT	Weighted ¹ Avg. Tail Screen, gms Au/MT	Extracted, % Au	Calculated ¹ Tail p80 Size, mm	Days of Leach	Consumption NaCN, kg/MT	Addition Cement, kg/MT
48158	63301	Environmental Composite	22	6.3	0.987	0.822	0.165	83%	6.1	143	1.24	3.03
48158	63304	Environmental Composite	22	6.3	0.980	0.825	0.156	84%	5.7	143	1.22	3.03
48158	63307	Environmental Composite	22	6.3	0.972	0.806	0.166	83%	6.4	143	1.27	3.03
48158	63310	Environmental Composite	22	6.3	1.093	0.929	0.164	85%	6.0	143	1.06	3.03
48158	63313	Environmental Composite	22	6.3	0.992	0.820	0.172	83%	6.4	143	1.40	3.03
48158	63316	Environmental Composite	22	6.3	0.991	0.826	0.165	83%	6.1	143	1.28	3.03
48158	63319	Environmental Composite	3	6.3	0.953	0.785	0.167	82%	6.0	143	1.27	3.02
48158	63322	Environmental Composite	3	6.3	1.074	0.909	0.165	85%	6.1	143	1.48	3.03

KCA Sample No.	KCA Test No.	Description	Column Temp., °C	Target p80 Size, mm	Calculated Head, gms Ag/MT	Extracted, gms Ag/MT	Weighted ¹ Avg. Tail Screen, gms Ag/MT	Extracted, % Ag	Calculated ¹ Tail p80 Size, mm	Days of Leach	Consumption NaCN, kg/MT	Addition Cement, kg/MT
48158	63301	Environmental Composite	22	6.3	0.51	0.32	0.19	62%	6.1	143	1.24	3.03
48158	63304	Environmental Composite	22	6.3	0.54	0.34	0.20	63%	5.7	143	1.22	3.03
48158	63307	Environmental Composite	22	6.3	0.50	0.33	0.17	65%	6.4	143	1.27	3.03
48158	63310	Environmental Composite	22	6.3	0.56	0.38	0.18	68%	6.0	143	1.06	3.03
48158	63313	Environmental Composite	22	6.3	0.51	0.30	0.21	59%	6.4	143	1.40	3.03
48158	63316	Environmental Composite	22	6.3	0.53	0.33	0.19	63%	6.1	143	1.28	3.03
48158	63319	Environmental Composite	3	6.3	0.49	0.29	0.20	60%	6.0	143	1.27	3.02
48158	63322	Environmental Composite	3	6.3	0.53	0.34	0.19	63%	6.1	143	1.48	3.03

Note (1): For KCA Test Nos. 63301, 16 and 22, the Weighted Average Tails and Calculated Tail p80 values are the average of five (5) tests.

Figure 6-1.
Eagle Gold Project
Cyanide Column Leach Test Work
Gold Extraction versus Days of Leach

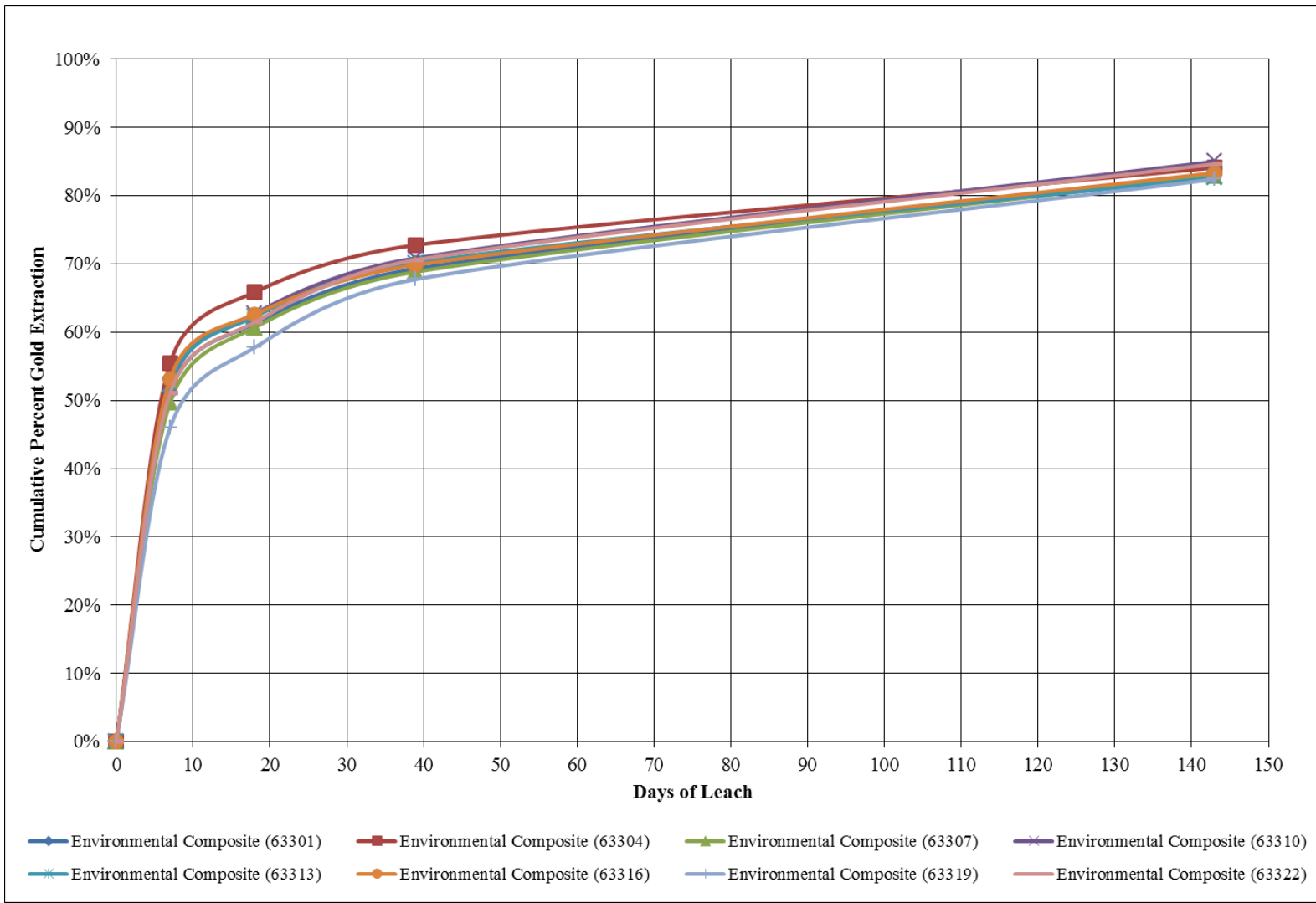


Table 6-3.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63301
Crushed Material, Calculated 80% passing 6.1 millimeters
Metal Extractions and Chemical Consumptions

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Au/MT	Carbon Weight, grams	Carbon Assay-1, oz Au/st	Carbon Assay-2, oz Au/st	Carbon Assay Avg., oz Au/st	Metal on Carbon Extraction, gms Au/MT	Extraction, % Au	Cumulative Extraction, % Au	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.86	0.474	200.30	2.948	2.824	2.886	0.505	51%	51%	0.04	0.00
8-18	1.98	0.092	192.68	0.585	0.605	0.595	0.100	10%	61%	-0.01	0.00
19-39	3.70	0.096	99.90	0.930	0.895	0.913	0.080	8%	69%	0.18	0.00
40-143	12.17	0.128	116.76	1.357	1.352	1.354	0.138	14%	83%	1.03	0.00
	Total:	0.790					0.822			1.24	0.00
	Tail:	0.165					0.165				
	Calc. Head:	0.955					0.987				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Ag/MT	Carbon Weight, grams	Carbon Assay-1, oz Ag/st	Carbon Assay-2, oz Ag/st	Carbon Assay Avg., oz Ag/st	Metal on Carbon Extraction, gms Ag/MT	Extraction, % Ag	Cumulative Extraction, % Ag	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.86	0.23	200.30	1.22	1.35	1.29	0.22	44%	44%	0.04	0.00
8-18	1.98	0.02	192.68	0.05	0.05	0.05	0.01	2%	46%	-0.01	0.00
19-39	3.70	0.01	99.90	0.13	0.07	0.10	0.01	2%	47%	0.18	0.00
40-143	12.17	0.03	116.76	0.77	0.69	0.73	0.07	15%	62%	1.03	0.00
	Total:	0.29					0.32			1.24	0.00
	Tail:	0.19					0.19				
	Calc. Head:	0.48					0.51				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Column Parameters			
KCA Sample No.	48158	KCA Test No.	63301
Est. Dry Weight Ore, kg:	39.28	Column Area, m ² :	0.018
Initial Ore Height, m:	1.530	Column Volume (initial), m ³ :	0.028
Final Ore Height, m:	1.461	Column Volume (final), m ³ :	0.027
Slump, %:	4.6%	Apparent Bulk Density (final), MT _{dry} /m ³ :	1.474
Cement Addition, kg/MT:	3.03	Retained Moisture, L/MT _{dry} :	63.6
Agglom. Water Added, liters (1 g/L NaCN):	1.56	Mercury on C-1 Carbon, mg/kg:	0.10
Hydrated lime added during loading, kg/MT:	0.00	Final Percolation Rate, L/Hr/m ² :	N/A

Table 6-4.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63304
Crushed Material, Calculated 80% passing 5.7 millimeters
Metal Extractions and Chemical Consumptions

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Au/MT	Carbon Weight, grams	Carbon Assay-1, oz Au/st	Carbon Assay-2, oz Au/st	Carbon Assay Avg., oz Au/st	Metal on Carbon Extraction, gms Au/MT	Extraction, % Au	Cumulative Extraction, % Au	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.85	0.537	217.42	2.833	2.889	2.861	0.544	55%	55%	0.09	0.00
8-18	1.99	0.115	166.42	0.708	0.696	0.702	0.102	10%	66%	-0.02	0.00
19-39	3.68	0.054	89.30	0.871	0.869	0.870	0.068	7%	73%	0.21	0.00
40-143	12.44	0.096	91.29	1.392	1.395	1.394	0.111	11%	84%	0.95	0.00
	Total:	0.802					0.825			1.22	0.00
	Tail:	0.156					0.156				
	Calc. Head:	0.957					0.980				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Ag/MT	Carbon Weight, grams	Carbon Assay-1, oz Ag/st	Carbon Assay-2, oz Ag/st	Carbon Assay Avg., oz Ag/st	Metal on Carbon Extraction, gms Ag/MT	Extraction, % Ag	Cumulative Extraction, % Ag	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.85	0.26	217.42	1.32	1.40	1.36	0.26	48%	48%	0.09	0.00
8-18	1.99	0.02	166.42	0.17	0.05	0.11	0.02	3%	51%	-0.02	0.00
19-39	3.68	0.01	89.30	0.13	0.32	0.23	0.02	3%	54%	0.21	0.00
40-143	12.44	0.04	91.29	0.65	0.52	0.59	0.05	9%	63%	0.95	0.00
	Total:	0.34					0.34			1.22	0.00
	Tail:	0.20					0.20				
	Calc. Head:	0.54					0.54				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Column Parameters			
KCA Sample No.	48158	KCA Test No.	63304
Est. Dry Weight Ore, kg:	39.24	Column Area, m ² :	0.018
Initial Ore Height, m:	1.543	Column Volume (initial), m ³ :	0.028
Final Ore Height, m:	1.495	Column Volume (final), m ³ :	0.027
Slump, %:	3.1%	Apparent Bulk Density (final), MT _{dry} /m ³ :	1.438
Cement Addition, kg/MT:	3.03	Retained Moisture, L/MT _{dry} :	68.3
Agglom. Water Added, liters (1 g/L NaCN):	1.58	Mercury on C-1 Carbon, mg/kg:	0.10
Hydrated lime added during loading, kg/MT:	0.00	Final Percolation Rate, L/Hr/m ² :	N/A

Table 6-5.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63307
Crushed Material, Calculated 80% passing 6.4 millimeters
Metal Extractions and Chemical Consumptions

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Au/MT	Carbon Weight, grams	Carbon Assay-1, oz Au/st	Carbon Assay-2, oz Au/st	Carbon Assay Avg., oz Au/st	Metal on Carbon Extraction, gms Au/MT	Extraction, % Au	Cumulative Extraction, % Au	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.87	0.478	208.73	2.623	2.679	2.651	0.483	50%	50%	0.11	0.00
8-18	1.95	0.087	171.10	0.731	0.700	0.716	0.107	11%	61%	0.00	0.00
19-39	3.71	0.073	99.71	0.906	0.922	0.914	0.080	8%	69%	0.14	0.00
40-143	12.44	0.112	132.37	1.185	1.186	1.186	0.137	14%	83%	1.03	0.00
	Total:	0.751					0.806			1.27	0.00
	Tail:	0.166					0.166				
	Calc. Head:	0.916					0.972				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Ag/MT	Carbon Weight, grams	Carbon Assay-1, oz Ag/st	Carbon Assay-2, oz Ag/st	Carbon Assay Avg., oz Ag/st	Metal on Carbon Extraction, gms Ag/MT	Extraction, % Ag	Cumulative Extraction, % Ag	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.87	0.23	208.73	1.15	1.22	1.18	0.22	43%	43%	0.11	0.00
8-18	1.95	0.02	171.10	0.24	0.14	0.19	0.03	6%	49%	0.00	0.00
19-39	3.71	0.01	99.71	0.32	0.14	0.23	0.02	4%	52%	0.14	0.00
40-143	12.44	0.05	132.37	0.53	0.58	0.56	0.06	13%	65%	1.03	0.00
	Total:	0.31					0.33			1.27	0.00
	Tail:	0.17					0.17				
	Calc. Head:	0.49					0.50				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Column Parameters			
KCA Sample No.	48158	KCA Test No.	63307
Est. Dry Weight Ore, kg:	39.28	Column Area, m ² :	0.018
Initial Ore Height, m:	1.524	Column Volume (initial), m ³ :	0.028
Final Ore Height, m:	1.470	Column Volume (final), m ³ :	0.027
Slump, %:	3.5%	Apparent Bulk Density (final), MT _{dry} /m ³ :	1.465
Cement Addition, kg/MT:	3.03	Retained Moisture, L/MT _{dry} :	62.6
Agglom. Water Added, liters (1 g/L NaCN):	1.55	Mercury on C-1 Carbon, mg/kg:	0.09
Hydrated lime added during loading, kg/MT:	0.00	Final Percolation Rate, L/Hr/m ² :	N/A

Table 6-6.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63310
Crushed Material, Calculated 80% passing 6.0 millimeters
Metal Extractions and Chemical Consumptions

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Au/MT	Carbon Weight, grams	Carbon Assay-1, oz Au/st	Carbon Assay-2, oz Au/st	Carbon Assay Avg., oz Au/st	Metal on Carbon Extraction, gms Au/MT	Extraction, % Au	Cumulative Extraction, % Au	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.88	0.570	206.28	3.132	3.183	3.157	0.569	52%	52%	0.06	0.00
8-18	2.00	0.099	179.16	0.747	0.741	0.744	0.116	11%	63%	-0.01	0.00
19-39	3.75	0.088	125.02	0.826	0.809	0.818	0.089	8%	71%	0.16	0.00
40-143	12.57	0.147	132.50	1.354	1.319	1.336	0.155	14%	85%	0.85	0.00
	Total:	0.905					0.929			1.06	0.00
	Tail:	0.164					0.164				
	Calc. Head:	1.069					1.093				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Ag/MT	Carbon Weight, grams	Carbon Assay-1, oz Ag/st	Carbon Assay-2, oz Ag/st	Carbon Assay Avg., oz Ag/st	Metal on Carbon Extraction, gms Ag/MT	Extraction, % Ag	Cumulative Extraction, % Ag	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.88	0.26	206.28	1.40	1.40	1.40	0.25	45%	45%	0.06	0.00
8-18	2.00	0.02	179.16	0.14	0.05	0.10	0.01	3%	48%	-0.01	0.00
19-39	3.75	0.02	125.02	0.12	0.08	0.10	0.01	2%	50%	0.16	0.00
40-143	12.57	0.13	132.50	0.83	0.86	0.85	0.10	18%	68%	0.85	0.00
	Total:	0.43					0.38			1.06	0.00
	Tail:	0.18					0.18				
	Calc. Head:	0.61					0.56				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Column Parameters			
KCA Sample No.	48158	KCA Test No.	63310
Est. Dry Weight Ore, kg:	39.24	Column Area, m ² :	0.0182
Initial Ore Height, m:	1.556	Column Volume (initial), m ³ :	0.0284
Final Ore Height, m:	1.489	Column Volume (final), m ³ :	0.0272
Slump, %:	4.3%	Apparent Bulk Density (final), MT _{dry} /m ³ :	1.445
Cement Addition, kg/MT:	3.03	Retained Moisture, L/MT _{dry} :	50.5
Agglom. Water Added, liters (1 gpL NaCN):	1.57	Mercury on C-1 Carbon, mg/kg:	0.10
Hydrated lime added during loading, kg/MT:	0.00	Final Percolation Rate, L/Hr/m ² :	N/A

Table 6-7.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63313
Crushed Material, Calculated 80% passing 6.4 millimeters
Metal Extractions and Chemical Consumptions

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Au/MT	Carbon Weight, grams	Carbon Assay-1, oz Au/st	Carbon Assay-2, oz Au/st	Carbon Assay Avg., oz Au/st	Metal on Carbon Extraction, gms Au/MT	Extraction, % Au	Cumulative Extraction, % Au	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.89	0.542	222.62	2.747	2.580	2.664	0.519	52%	52%	0.08	0.00
8-18	1.97	0.091	169.25	0.659	0.679	0.669	0.099	10%	62%	0.02	0.00
19-39	3.71	0.068	95.58	0.937	0.947	0.942	0.079	8%	70%	0.21	0.00
40-143	12.49	0.112	106.89	1.329	1.320	1.324	0.124	12%	83%	1.09	0.00
	Total:	0.813					0.820			1.40	0.00
	Tail:	0.172					0.172				
	Calc. Head:	0.985					0.992				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Ag/MT	Carbon Weight, grams	Carbon Assay-1, oz Ag/st	Carbon Assay-2, oz Ag/st	Carbon Assay Avg., oz Ag/st	Metal on Carbon Extraction, gms Ag/MT	Extraction, % Ag	Cumulative Extraction, % Ag	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.89	0.26	222.62	1.19	1.11	1.15	0.22	44%	44%	0.08	0.00
8-18	1.97	0.02	169.25	0.05	0.14	0.10	0.01	3%	47%	0.02	0.00
19-39	3.71	0.01	95.58	0.17	0.26	0.22	0.02	4%	51%	0.21	0.00
40-143	12.49	0.03	106.89	0.46	0.41	0.43	0.04	8%	59%	1.09	0.00
	Total:	0.32					0.30			1.40	0.00
	Tail:	0.21					0.21				
	Calc. Head:	0.53					0.51				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Column Parameters			
KCA Sample No.	48158	KCA Test No.	63313
Est. Dry Weight Ore, kg:	39.20	Column Area, m ² :	0.018
Initial Ore Height, m:	1.543	Column Volume (initial), m ³ :	0.028
Final Ore Height, m:	1.486	Column Volume (final), m ³ :	0.027
Slump, %:	3.7%	Apparent Bulk Density (final), MT _{dry} /m ³ :	1.446
Cement Addition, kg/MT:	3.03	Retained Moisture, L/MT _{dry} :	58.7
Agglom. Water Added, liters (1 gpL NaCN):	1.55	Mercury on C-1 Carbon, mg/kg:	0.06
Hydrated lime added during loading, kg/MT:	0.00	Final Percolation Rate, L/Hr/m ² :	N/A

Table 6-8.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63316
Crushed Material, Calculated 80% passing 6.1 millimeters
Metal Extractions and Chemical Consumptions

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Au/MT	Carbon Weight, grams	Carbon Assay-1, oz Au/st	Carbon Assay-2, oz Au/st	Carbon Assay Avg., oz Au/st	Metal on Carbon Extraction, gms Au/MT	Extraction, % Au	Cumulative Extraction, % Au	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.86	0.452	219.12	2.771	2.740	2.756	0.527	53%	53%	0.07	0.00
8-18	2.01	0.082	168.07	0.630	0.644	0.637	0.093	9%	63%	0.00	0.00
19-39	3.68	0.076	98.14	0.826	0.854	0.840	0.072	7%	70%	0.17	0.00
40-143	12.46	0.121	118.66	1.294	1.290	1.292	0.134	14%	83%	1.03	0.00
	Total:	0.731					0.826			1.28	0.00
	Tail:	0.165					0.165				
	Calc. Head:	0.896					0.991				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Ag/MT	Carbon Weight, grams	Carbon Assay-1, oz Ag/st	Carbon Assay-2, oz Ag/st	Carbon Assay Avg., oz Ag/st	Metal on Carbon Extraction, gms Ag/MT	Extraction, % Ag	Cumulative Extraction, % Ag	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.86	0.22	219.12	1.26	1.25	1.26	0.24	46%	46%	0.07	0.00
8-18	2.01	0.02	168.07	0.05	0.15	0.10	0.01	3%	49%	0.00	0.00
19-39	3.68	0.01	98.14	0.25	0.09	0.17	0.01	3%	51%	0.17	0.00
40-143	12.46	0.04	118.66	0.59	0.62	0.61	0.06	12%	63%	1.03	0.00
	Total:	0.30					0.33			1.28	0.00
	Tail:	0.19					0.19				
	Calc. Head:	0.49					0.53				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Column Parameters			
KCA Sample No.	48158	KCA Test No.	63316
Est. Dry Weight Ore, kg:	39.28	Column Area, m ² :	0.018
Initial Ore Height, m:	1.518	Column Volume (initial), m ³ :	0.028
Final Ore Height, m:	1.422	Column Volume (final), m ³ :	0.026
Slump, %:	6.3%	Apparent Bulk Density (final), MT _{dry} /m ³ :	1.514
Cement Addition, kg/MT:	3.03	Retained Moisture, L/MT _{dry} :	63.6
Agglom. Water Added, liters (1 g/L NaCN):	1.58	Mercury on C-1 Carbon, mg/kg:	0.07
Hydrated lime added during loading, kg/MT:	0.00	Final Percolation Rate, L/Hr/m ² :	N/A

Table 6-9.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63319
Crushed Material, Calculated 80% passing 6.0 millimeters
Metal Extractions and Chemical Consumptions

Days Leaching	Cumulative, t_s/t_0	Solution Extraction, gms Au/MT	Carbon Weight, grams	Carbon Assay-1, oz Au/st	Carbon Assay-2, oz Au/st	Carbon Assay Avg., oz Au/st	Metal on Carbon Extraction, gms Au/MT	Extraction, % Au	Cumulative Extraction, % Au	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.89	0.499	192.01	2.574	2.670	2.622	0.438	46%	46%	0.10	0.00
8-18	1.98	0.103	171.09	0.758	0.743	0.751	0.112	12%	58%	0.01	0.00
19-39	3.67	0.090	109.27	1.031	0.978	1.005	0.096	10%	68%	0.17	0.00
40-143	12.40	0.125	109.45	1.468	1.468	1.468	0.140	15%	82%	0.99	0.00
	Total:	0.816					0.785			1.27	0.00
	Tail:	0.167					0.167				
	Calc. Head:	0.984					0.953				

t_s/t_0 = Tonnes of solution effluent per tonne of dry ore leached.

Days Leaching	Cumulative, t_s/t_0	Solution Extraction, gms Ag/MT	Carbon Weight, grams	Carbon Assay-1, oz Ag/st	Carbon Assay-2, oz Ag/st	Carbon Assay Avg., oz Ag/st	Metal on Carbon Extraction, gms Ag/MT	Extraction, % Ag	Cumulative Extraction, % Ag	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.89	0.24	192.01	1.22	0.97	1.10	0.18	37%	37%	0.10	0.00
8-18	1.98	0.03	171.09	0.05	0.22	0.14	0.02	4%	41%	0.01	0.00
19-39	3.67	0.01	109.27	0.03	0.40	0.22	0.02	4%	45%	0.17	0.00
40-143	12.40	0.04	109.45	0.63	0.86	0.75	0.07	14%	60%	0.99	0.00
	Total:	0.32					0.29			1.27	0.00
	Tail:	0.20					0.20				
	Calc. Head:	0.52					0.49				

t_s/t_0 = Tonnes of solution effluent per tonne of dry ore leached.

Column Parameters			
KCA Sample No.	48158	KCA Test No.	63319
Est. Dry Weight Ore, kg:	39.40	Column Area, m ² :	0.0182
Initial Ore Height, m:	1.492	Column Volume (initial), m ³ :	0.0272
Final Ore Height, m:	1.467	Column Volume (final), m ³ :	0.0268
Slump, %:	1.7%	Apparent Bulk Density (final), MT _{dry} /m ³ :	1.472
Cement Addition, kg/MT:	3.02	Retained Moisture, L/MT _{dry} :	80.2
Agglom. Water Added, liters (1 gpL NaCN):	1.55	Mercury on C-1 Carbon, mg/kg:	0.08
Hydrated lime added during loading, kg/MT:	0.00	Final Percolation Rate, L/Hr/m ² :	N/A

Table 6-10.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63322
Crushed Material, Calculated 80% passing 6.1 millimeters
Metal Extractions and Chemical Consumptions

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Au/MT	Carbon Weight, grams	Carbon Assay-1, oz Au/st	Carbon Assay-2, oz Au/st	Carbon Assay Avg., oz Au/st	Metal on Carbon Extraction, gms Au/MT	Extraction, % Au	Cumulative Extraction, % Au	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.91	0.514	210.97	3.078	2.880	2.979	0.549	51%	51%	0.15	0.00
8-18	2.03	0.104	182.15	0.702	0.698	0.700	0.111	10%	61%	0.02	0.00
19-39	3.87	0.090	111.09	1.003	1.030	1.017	0.099	9%	71%	0.12	0.00
40-143	12.76	0.134	106.15	1.636	1.621	1.628	0.151	14%	85%	1.19	0.00
	Total:	0.841					0.909			1.48	0.00
	Tail:	0.165					0.165				
	Calc. Head:	1.006					1.074				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Days Leaching	Cumulative, t_s/t_o	Solution Extraction, gms Ag/MT	Carbon Weight, grams	Carbon Assay-1, oz Ag/st	Carbon Assay-2, oz Ag/st	Carbon Assay Avg., oz Ag/st	Metal on Carbon Extraction, gms Ag/MT	Extraction, % Ag	Cumulative Extraction, % Ag	NaCN Consumed, kg/MT	Ca(OH) ₂ Added, kg/MT
0-7	0.91	0.26	210.97	1.49	1.31	1.40	0.26	49%	49%	0.15	0.00
8-18	2.03	0.02	182.15	0.16	0.05	0.11	0.02	3%	52%	0.02	0.00
19-39	3.87	0.01	111.09	0.16	0.10	0.13	0.01	2%	54%	0.12	0.00
40-143	12.76	0.03	106.15	0.47	0.57	0.52	0.05	9%	63%	1.19	0.00
	Total:	0.33					0.34			1.48	0.00
	Tail:	0.19					0.19				
	Calc. Head:	0.52					0.53				

t_s/t_o = Tonnes of solution effluent per tonne of dry ore leached.

Column Parameters			
KCA Sample No.	48158	KCA Test No.	63322
Est. Dry Weight Ore, kg:	39.28	Column Area, m ² :	0.0182
Initial Ore Height, m:	1.562	Column Volume (initial), m ³ :	0.0285
Final Ore Height, m:	1.486	Column Volume (final), m ³ :	0.0271
Slump, %:	4.9%	Apparent Bulk Density (final), MT _{dry} /m ³ :	1.449
Cement Addition, kg/MT:	3.03	Retained Moisture, L/MT _{dry} :	63.6
Agglom. Water Added, liters (1 gpL NaCN):	1.65	Mercury on C-1 Carbon, mg/kg:	0.09
Hydrated lime added during loading, kg/MT:	0.00	Final Percolation Rate, L/Hr/m ² :	N/A

6.2 Cyanide Column Leach Tests, Description of Apparatus

6.2.1 Drip Leach Test Apparatus

The column tests were run as a continuously drained drip leach tests. It is believed by KCA that this type of test most accurately reflects actual heap leach conditions and is normally run when the material contains enough fines to prevent channeling of solution down individual rock faces.

The apparatus used for this test is shown schematically in Figure 6-2.

6.2.2 Column Test Setup

The crushed material split out for column test work was blended with cement and then loaded into a 150 millimeter diameter plastic column. Alkaline cyanide solution was continuously distributed onto the material through Tygon tubing. The flow rate of solution dripping onto the material was controlled with a peristaltic pump to 10 to 12 liters per hour per square meter of column surface area.

The solution exiting each leach column was collected in the bottom (floor - PLS) tank. Leach solution was checked each cycle for pH, NaCN, Au and Ag. Copper was checked periodically. The solution was then passed through a bottle of granular activated carbon over a period of 24 hours to extract the gold and silver in solution. After passing through the bottle of activated carbon, the solution was re-assayed for pH, NaCN, Au and Ag. Sodium cyanide was then added, if necessary, to maintain the solution at "target" levels (discussed in the Test History section). The leach solution was then recycled to the material for another 24 hour leach period. Two (2) batches of leach solution were used so that while one batch was applied to each column, the other was run through carbon.

6.3 History of Cyanide Column Leach Test

6.3.1 Start-up of Test

The initial leach solution applied to the column contained 1.0 grams sodium cyanide per liter of solution.

6.3.2 Solution Color and Clarity

The initial and final solution color and clarity were monitored.

The solution color and clarity for the column test are presented in Table 6-11.

Figure 6-2.
Eagle Gold Project
Column Leach Test Apparatus

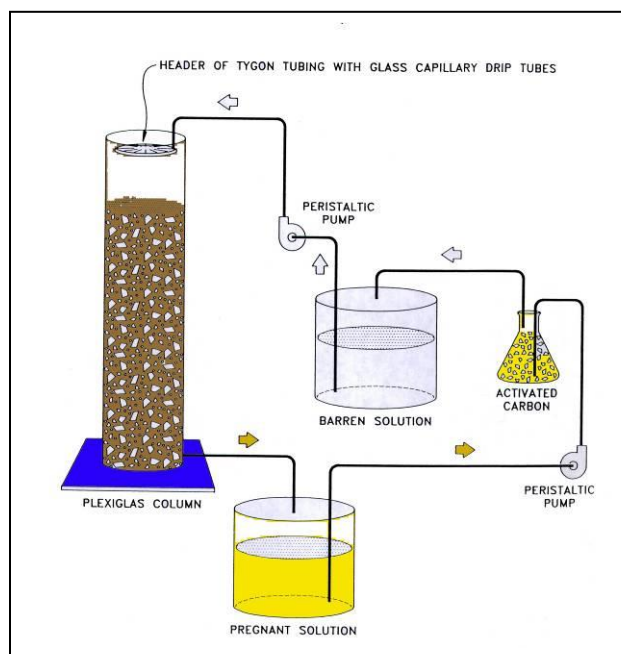


Table 6-11.
Eagle Gold Project
Effluent Solutions, Color and Clarity

KCA Sample No.	KCA Test No.	Description	Color and Clarity of Initial Column Effluent	Color and Clarity of Final Column Effluent
48158	63301	Environmental Composite	Colorless and Clear	Colorless and Clear
48158	63304	Environmental Composite	Colorless and Clear	Colorless and Clear
48158	63307	Environmental Composite	Colorless and Clear	Colorless and Clear
48158	63310	Environmental Composite	Colorless and Clear	Colorless and Clear
48158	63313	Environmental Composite	Colorless and Clear	Colorless and Clear
48158	63316	Environmental Composite	Colorless and Clear	Colorless and Clear
48158	63319	Environmental Composite	Colorless and Clear	Colorless and Clear
48158	63322	Environmental Composite	Colorless and Clear	Colorless and Clear

A “colorless and clear” solution exiting the columns is indicative of the fact that no fines migrated within the column material. Metal buildup is usually denoted by a significant color change in the solution.

6.3.3 Copper Analyses in Solutions

Interim pregnant (effluent) cyanide leach solutions were assayed (FAAS) periodically for copper content.

The lowest and highest copper values in solution data obtained over the leach period are summarized in Table 6-12.

Table 6-12.
Eagle Gold Project
Copper Concentration in Column Leach Solutions

KCA Sample No.	KCA Test No.	Description	Low Copper, mg/L	High Copper, mg/L
48158	63301	Environmental Composite	3.49	15.0
48158	63304	Environmental Composite	7.97	18.9
48158	63307	Environmental Composite	8.12	12.9
48158	63310	Environmental Composite	6.32	17.3
48158	63313	Environmental Composite	6.14	18.7
48158	63316	Environmental Composite	6.16	12.0
48158	63319	Environmental Composite	3.25	11.6
48158	63322	Environmental Composite	3.58	13.1

6.3.4 Cyanide Strength and Alkalinity

The initial leach solution for each column test contained 1.0 grams sodium cyanide per liter of leach solution. The cyanide strength of the on-flow solution was maintained at a target level of 0.60 grams of sodium cyanide per liter. Protective alkalinity in the test was maintained by the initial addition of cement during column setup. The leach solution was monitored to ensure that a high pH range was maintained throughout testing.

Reagent consumption data for the column leach tests are summarized in Table 6-13.

Table 6-13.
Eagle Gold Project
Column Leach Tests, Reagent Consumptions

KCA Sample No.	KCA Test No.	Description	NaCN Consumed, kg/MT	Cement Added, kg/MT
48158	63301	Environmental Composite	1.24	3.03
48158	63304	Environmental Composite	1.22	3.03
48158	63307	Environmental Composite	1.27	3.03
48158	63310	Environmental Composite	1.06	3.03
48158	63313	Environmental Composite	1.40	3.03
48158	63316	Environmental Composite	1.28	3.03
48158	63319	Environmental Composite	1.27	3.02
48158	63322	Environmental Composite	1.48	3.03

6.3.5 Mercury Analyses

The carbon samples from the column tests were dried at 32°C and assayed for mercury content.

The results of the mercury analyses are summarized in Tables 6-14 and 6-15.

In this table, the carbon loading of mercury was compared to the carbon loading of gold during the leach cycle. The mercury loaded onto carbon was calculated as an overall extraction of mercury from the column material.

Table 6-14.
Eagle Gold Project
Mercury Concentration and Extraction

KCA Sample No.	KCA Test No.	Description	Carbon Period	Carbon Weight, grams	Carbon Assay, gms Au/MT	Carbon Assay, gms Hg/MT	Extracted to Carbon, mg Hg/kg _{ore}	Ratio Au : Hg
48158	63301	Environmental Composite	C-1	200.30	98.95	0.10	<0.01	989
			C-2	192.68	20.40	0.13	<0.01	157
			C-3	99.90	31.29	0.025	<0.01	1,251
			C-4	116.76	46.42	0.31	<0.01	150
Total Extracted							<0.01	--
Column Feed Head Assay							<0.05	--

KCA Sample No.	KCA Test No.	Description	Carbon Period	Carbon Weight, grams	Carbon Assay, gms Au/MT	Carbon Assay, gms Hg/MT	Extracted to Carbon, mg Hg/kg _{ore}	Ratio Au : Hg
48158	63304	Environmental Composite	C-1	217.42	98.09	0.10	<0.01	981
			C-2	166.42	24.07	0.11	<0.01	219
			C-3	89.30	29.83	0.025	<0.01	1,193
			C-4	91.29	47.78	0.26	<0.01	184
Total Extracted							<0.01	--
Column Feed Head Assay							<0.05	--

KCA Sample No.	KCA Test No.	Description	Carbon Period	Carbon Weight, grams	Carbon Assay, gms Au/MT	Carbon Assay, gms Hg/MT	Extracted to Carbon, mg Hg/kg _{ore}	Ratio Au : Hg
48158	63307	Environmental Composite	C-1	208.73	90.89	0.09	<0.01	1,010
			C-2	171.10	24.53	0.10	<0.01	245
			C-3	99.71	31.34	0.025	<0.01	1,253
			C-4	132.37	40.65	0.27	<0.01	151
Total Extracted							<0.01	--
Column Feed Head Assay							<0.05	--

KCA Sample No.	KCA Test No.	Description	Carbon Period	Carbon Weight, grams	Carbon Assay, gms Au/MT	Carbon Assay, gms Hg/MT	Extracted to Carbon, mg Hg/kg _{ore}	Ratio Au : Hg
48158	63310	Environmental Composite	C-1	206.28	108.25	0.10	<0.01	1,082
			C-2	179.16	25.51	0.09	<0.01	283
			C-3	125.02	28.03	0.025	<0.01	1,121
			C-4	132.50	45.81	0.26	<0.01	176
Total Extracted							<0.01	--
Column Feed Head Assay							<0.05	--

Table 6-15.
Eagle Gold Project
Mercury Concentration and Extraction (continued)

KCA Sample No.	KCA Test No.	Description	Carbon Period	Carbon Weight, grams	Carbon Assay, gms Au/MT	Carbon Assay, gms Hg/MT	Extracted to Carbon, mg Hg/kg _{ore}	Ratio Au : Hg
48158	63313	Environmental Composite	C-1	222.62	91.32	0.06	<0.01	1,522
			C-2	169.25	22.94	0.13	<0.01	176
			C-3	95.58	32.30	0.025	<0.01	1,292
			C-4	106.89	45.40	0.30	<0.01	151
Total Extracted							<0.01	--
Column Feed Head Assay							<0.05	--

KCA Sample No.	KCA Test No.	Description	Carbon Period	Carbon Weight, grams	Carbon Assay, gms Au/MT	Carbon Assay, gms Hg/MT	Extracted to Carbon, mg Hg/kg _{ore}	Ratio Au : Hg
48158	63316	Environmental Composite	C-1	219.12	94.48	0.07	<0.01	1,350
			C-2	168.07	21.84	0.08	<0.01	273
			C-3	98.14	28.80	0.025	<0.01	1,152
			C-4	118.66	44.30	0.26	<0.01	170
Total Extracted							<0.01	--
Column Feed Head Assay							<0.05	--

KCA Sample No.	KCA Test No.	Description	Carbon Period	Carbon Weight, grams	Carbon Assay, gms Au/MT	Carbon Assay, gms Hg/MT	Extracted to Carbon, mg Hg/kg _{ore}	Ratio Au : Hg
48158	63319	Environmental Composite	C-1	192.01	89.90	0.08	<0.01	1,124
			C-2	171.09	25.73	0.10	<0.01	257
			C-3	109.27	34.44	0.025	<0.01	1,378
			C-4	109.45	50.33	0.30	<0.01	168
Total Extracted							<0.01	--
Column Feed Head Assay							<0.05	--

KCA Sample No.	KCA Test No.	Description	Carbon Period	Carbon Weight, grams	Carbon Assay, gms Au/MT	Carbon Assay, gms Hg/MT	Extracted to Carbon, mg Hg/kg _{ore}	Ratio Au : Hg
48158	63322	Environmental Composite	C-1	210.97	102.14	0.09	<0.01	1,135
			C-2	182.15	24.00	0.12	<0.01	200
			C-3	111.09	34.85	0.07	<0.01	498
			C-4	106.15	55.83	0.32	<0.01	174
Total Extracted							<0.01	--
Column Feed Head Assay							<0.05	--

6.3.6 Active Column - Profile II Analyses

Periodic solution sampling was conducted on each column throughout the duration of the leach period. The sampled solutions (Environmental Solutions) from each column were given a unique sample identification number (KCA Sample Nos. 63515 through 63522).

A summary of the column leach tests with associated Environmental Solution sample identification numbers are presented in Table 6-16.

Table 6-16.
Eagle Gold Project
Sample Identification

KCA Sample No.	KCA Test No.	Description	Column Temp. °C	Crush Size, mm	Environmental Solutions, Sample No.
48158	63301	Environmental Composite	22	9.5	63515
48158	63304	Environmental Composite	22	9.5	63516
48158	63307	Environmental Composite	22	9.5	63517
48158	63310	Environmental Composite	22	9.5	63518
48158	63313	Environmental Composite	22	9.5	63519
48158	63316	Environmental Composite	22	9.5	63520
48158	63319	Environmental Composite	3	9.5	63521
48158	63322	Environmental Composite	3	9.5	63522

For each column test, the pregnant solution for the first seven (7) days was sampled. The sampled solutions were combined and submitted to Western Environmental Testing Laboratory (WETLAB) for Profile II analyses. The composite pregnant solution was given a unique letter designation (A).

Periodic samples of the barren solution were then taken for the remainder of the leach period. Individual samples of barren solution were combined and submitted to WETLAB for Profile II analyses. Each barren solution sample submitted to WETLAB consisted of a composite of two (2) or three (3) individual samples. Each composite solution was given a unique letter designation (B through EE).

At the end of the leach period, a one liter sample was taken from the barren solution (the PLS from the previous day that was cycled through the activated carbon bottle). The final solution exiting the leach column (final PLS) was collected, assayed and cycled through the activated carbon bottle over the next 24 hour period. A one liter sample of the resulting barren solution was taken and combined with the previously sampled barren solution to generate a final barren solution (2 liters).

For each column leach test, a portion of the final barren solution was submitted to WETLAB for a Profile II analyses. A sample was also taken and analyzed for total cyanide, weak acid dissociable (WAD) cyanide, copper and iron.

For each individual column leach test, a summary of the sampled solutions and the individual results of the Profile II analyses are presented in Tables 6-17 through 6-56.

The received WETLAB reports are presented in Appendix B (external volume).

Table 6-17.
Eagle Gold Project
KCA Test No. 63301
Summary of Sampled Solutions

KCA Test No.	KCA Sample No.	Combined Dates	Volume, per Day	Number of Days	Solution Type	WETLAB Job No.	Notes
63301	63515 A	31 Jan - 06 Feb	20 mLs	7	Preg	1204007	Active Cyanide Leach
63301	63515 B	12, 14, 16 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63301	63515 C	13, 15 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63301	63515 D	20, 22 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63301	63515 E	19, 21, 23 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63301	63515 F	26, 28, 30 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63301	63515 G	27, 29 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63301	63515 H	2,4, 6 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63301	63515 I	3,5 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63301	63515 J	10,12 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63301	63515 K	9, 11,13 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63301	63515 L	16, 18,20 April	50 mLs	3	Barren	1205098	Active Cyanide Leach
63301	63515 M	17, 19 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63301	63515 N	24, 26 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63301	63515 O	23, 25 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63301	63515 P	1,3 May	50 mLs	2	Barren	1205098	Active Cyanide Leach
63301	63515 Q	30 April, 2, 4 May	50 mLs	3	Barren	1205098	Active Cyanide Leach
63301	63515 R	7,9,11 May	50 mLs	3	Barren	1205246	Active Cyanide Leach
63301	63515 S	8,10 May	50 mLs	2	Barren	1205246	Active Cyanide Leach
63301	63515 T	15,17 May	50 mLs	2	Barren	1205371	Active Cyanide Leach
63301	63515 U	14,16,18 May	50 mLs	3	Barren	1205371	Active Cyanide Leach
63301	63515 V	21,23,25 May	50 mLs	3	Barren	1205498	Active Cyanide Leach
63301	63515 W	22,24 May	50 mLs	2	Barren	1205498	Active Cyanide Leach
63301	63515 X	30 May, 1 June	50 mLs	2	Barren	1206013	Active Cyanide Leach
63301	63515 Y	29,31 May	50 mLs	2	Barren	1206013	Active Cyanide Leach
63301	63515 Z	5,7 June	50 mLs	2	Barren	1206174	Active Cyanide Leach
63301	63515 AA	4,6,8 June	50 mLs	3	Barren	1206174	Active Cyanide Leach
63301	63515 BB	11,13,15 June	50 mLs	3	Barren	1206371	Active Cyanide Leach
63301	63515 CC	12,14 June	50 mLs	2	Barren	1206371	Active Cyanide Leach
63301	63515 DD	19,21 June	50 mLs	2	Barren	1206562	Active Cyanide Leach
63301	63515 EE	18,20,22 June	50 mLs	3	Barren	1206562	Active Cyanide Leach
63301	Final Barren	22 June	--	--	Barren	1206607	Combined barren submitted for Profile II only.

Note: Lost by environmental lab

Table 6-18.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63301

		KCA Sample No. 63515 A	KCA Sample No. 63515 B	KCA Sample No. 63515 C	KCA Sample No. 63515 D	KCA Sample No. 63515 E	KCA Sample No. 63515 F	KCA Sample No. 63515 G	KCA Sample No. 63515 H
	WET Lab No.:	1204007	1204007	1204007	1204007	1204007	1204007	1204007	1204257
	Report Date:	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-May-12
Constituent	Unit								
pH	pH Units	--	--	--	--	--	--	--	10.29
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	<374
Bicarbonate (HCO ₃)	mg/L	--	--	--	--	--	--	--	<1.0
Carbonate (CO ₃)	mg/L	--	--	--	--	--	--	--	260
Hydroxide (OH)	mg/L	--	--	--	--	--	--	--	42
Total Alkalinity	mg/L as CaCO ₃	--	--	--	--	--	--	--	550
Redox Potential	mV	--	--	--	--	--	--	--	92
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	74
Total Nitrogen	mg/L	--	--	--	--	--	--	--	75
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	1500
Electrical Conductivity	µmhos/cm	--	--	--	--	--	--	--	2400
Chloride	mg/L	24	22	22	23	22	21	21	22
Fluoride	mg/L	1.2	2.3	2.1	2.4	2.4	2.6	2.5	2.8
Sulfate	mg/L	55	240	220	270	250	260	260	310
Nitrate Nitrogen	mg/L	0.44	0.52	0.47	0.50	0.49	0.49	0.52	0.24
Nitrite Nitrogen	mg/L	<0.25	0.64	0.54	0.63	0.61	0.60	0.56	0.72
Aluminum	mg/L	1.1	0.40	0.31	0.36	0.37	0.32	0.38	0.32
Barium	mg/L	0.018	0.010	<0.010	0.016	0.012	0.014	0.020	0.025
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cadmium	mg/L	0.060	0.022	0.012	0.020	0.018	0.021	0.020	0.025
Calcium	mg/L	6.9	15	14	14	12	15	15	6.0
Chromium	mg/L	0.019	0.0087	0.0083	0.0064	0.0056	<0.0050	<0.0050	<0.0050
Cobalt	mg/L	0.16	0.26	0.25	0.25	0.24	0.22	0.23	0.23
Copper	mg/L	9.3	8.3	5.8	7.2	6.7	6.0	6.6	4.7
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	0.14	2.0	1.8	2.3	2.3	2.6	2.8	2.9
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	1.2	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.023
Molybdenum	mg/L	0.19	0.19	0.18	0.18	0.18	0.16	0.17	0.15
Nickel	mg/L	0.53	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.016
Phosphorus	mg/L	<0.50	<0.50	0.52	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	16	18	31	16	17	15	16	15
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	0.12	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	330	420	410	460	480	490	530	530
Strontium	mg/L	1.6	0.80	0.73	0.83	0.86	0.78	0.87	0.51
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	<0.010	0.14	0.12	0.13	0.14	0.15	0.15	0.15
Zinc	mg/L	11	8.5	5.7	7.5	7.0	7.0	7.2	7.5
Mercury	mg/L	0.0047	0.0040	0.0039	0.0038	0.0036	0.0036	0.0038	0.0055
Antimony	mg/L	0.019	0.19	0.17	0.24	0.24	0.27	0.29	0.33
Arsenic	mg/L	0.023	1.3	0.89	1.8	1.9	2.5	2.6	3.6
Lead	mg/L	<0.0025	0.0060	0.014	0.0078	0.0041	0.0041	0.011	0.038
Selenium	mg/L	0.091	0.037	0.032	0.038	0.035	0.036	0.039	<0.10
Thallium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020
Uranium	mg/L	--	--	--	--	--	--	--	<0.020
Anions	meq/L	--	--	--	--	--	--	--	18.4
Cations	meq/L	--	--	--	--	--	--	--	20.5
Error	%	--	--	--	--	--	--	--	5.4

Table 6-19.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63301 (continued)

		KCA Sample No. 63515 L	KCA Sample No. 63515 M	KCA Sample No. 63515 N	KCA Sample No. 63515 O	KCA Sample No. 63515 P	KCA Sample No. 63515 Q	KCA Sample No. 63515 R	KCA Sample No. 63515 S
	WET Lab No.:	1205098	1205098	1205098	1205098	1205098	1205098	1205246	1205246
	Report Date:	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	29-May-12	29-May-12
Constituent	Unit								
pH	pH Units	10.43	10.43	10.34	10.40	10.29	10.44	10.26	10.25
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbonate (CO ₃)	mg/L	260	230	290	310	320	320	320	310
Hydroxide (OH)	mg/L	63	86	41	41	2.7	44	48	56
Total Alkalinity	mg/L as CaCO ₃	620	630	600	640	540	660	680	680
Redox Potential	mV	70	--	50	47	42	45	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	2800	--	2700	2700	2500	2800	--	--
Chloride	mg/L	15	15	15	15	21	20	23	23
Fluoride	mg/L	2.6	2.5	2.9	2.7	3.5	3.4	3.5	3.5
Sulfate	mg/L	180	180	200	180	230	230	230	230
Nitrate Nitrogen	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Nitrite Nitrogen	mg/L	0.52	0.52	0.58	0.52	0.70	0.66	0.71	0.62
Aluminum	mg/L	0.33	0.39	0.27	0.32	0.17	0.25	0.16	0.090
Barium	mg/L	0.010	0.020	0.010	0.012	0.010	0.022	0.027	0.014
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.11	0.11	0.13	0.12	0.12	0.12	0.13	0.13
Cadmium	mg/L	0.026	0.024	0.027	0.026	0.026	0.024	0.030	0.031
Calcium	mg/L	4.9	4.4	4.3	3.4	3.8	5.5	4.4	4.3
Chromium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cobalt	mg/L	0.17	0.17	0.18	0.18	0.18	0.18	0.13	0.13
Copper	mg/L	5.2	4.9	5.9	5.4	4.7	4.8	2.8	2.6
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	4.7	4.6	5.2	5.2	5.2	5.4	4.6	4.2
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.020	0.024	0.015	0.033	0.012	0.088	0.041	0.041
Molybdenum	mg/L	0.098	0.093	0.096	0.094	0.093	0.094	0.093	0.094
Nickel	mg/L	0.029	0.023	0.037	0.030	0.029	0.026	0.018	0.020
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	13	12	12	13	11	12	12	12
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	500	500	530	540	500	550	590	580
Strontium	mg/L	0.35	0.36	0.30	0.31	0.24	0.31	0.27	0.26
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.16	0.16	0.18	0.16	0.17	0.16	0.16	0.16
Zinc	mg/L	6.5	5.9	6.8	6.4	6.5	6.2	6.4	6.6
Mercury	mg/L	0.0033	0.0028	0.0031	0.0026	0.0029	0.0028	0.0022	0.0059
Antimony	mg/L	0.45	0.48	0.65	0.59	0.63	0.62	0.63	0.58
Arsenic	mg/L	5.8	6.0	8.1	7.3	8.4	7.9	8.8	7.7
Lead	mg/L	0.010	0.021	0.011	0.020	0.014	0.023	0.028	0.020
Selenium	mg/L	0.024	0.023	0.025	0.024	0.028	0.026	<0.050	<0.050
Thallium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.050	<0.050	<0.010	<0.010
Anions	meq/L	16.7	17.0	16.8	17.1	16.4	18.8	19.1	19.3
Cations	meq/L	23.0	22.9	24.3	24.7	22.9	25.2	26.7	26.3
Error	%	16	15	18	18	16	15	17	15

Table 6-20.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63301 (continued)

		KCA Sample No. 63515 T	KCA Sample No. 63515 U	KCA Sample No. 63515 V	KCA Sample No. 63515 W	KCA Sample No. 63515 X	KCA Sample No. 63515 Y	KCA Sample No. 63515 Z	KCA Sample No. 63515 AA
	WET Lab No.:	1205371	1205371	1205498	1205498	1206013	1206013	1206174	1206174
	Report Date:	4-Jun-12	4-Jun-12	5-Jun-12	5-Jun-12	6-Jun-12	6-Jun-12	20-Jun-12	20-Jun-12
Constituent	Unit								
pH	pH Units	10.30	10.32	10.27	10.31	--	--	10.17	10.41
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	<1.0	--	--	<1.0	<1.0
Carbonate (CO ₃)	mg/L	340	330	430	380	--	--	450	440
Hydroxide (OH)	mg/L	24	14	9.5	57	--	--	16	35
Total Alkalinity	mg/L as CaCO ₃	640	590	740	800	--	--	800	840
Redox Potential	mV	69	62	--	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	3000	2800	--	--	--	--	--	--
Chloride	mg/L	25	25	25	25	28	26	29	28
Fluoride	mg/L	3.8	4.1	3.6	3.3	3.7	3.7	3.8	3.9
Sulfate	mg/L	250	250	250	260	240	230	220	230
Nitrate Nitrogen	mg/L	<1.0	<1.0	--	--	<1.0	<1.0	<1.0	<1.0
Nitrite Nitrogen	mg/L	0.79	0.80	--	--	0.85	0.70	0.85	0.76
Aluminum	mg/L	0.092	0.12	0.090	0.095	0.095	0.061	0.25	0.25
Barium	mg/L	0.010	<0.010	0.012	0.018	<0.010	<0.010	0.016	0.015
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.15	0.16	0.14	0.14	0.16	0.16	0.18	0.18
Cadmium	mg/L	0.039	0.036	0.033	0.039	0.050	0.043	0.044	0.045
Calcium	mg/L	4.2	3.5	3.8	4.4	4.2	2.8	4.8	5.4
Chromium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cobalt	mg/L	0.21	0.21	0.13	0.12	0.22	0.22	0.16	0.19
Copper	mg/L	5.5	5.3	2.6	2.4	7.0	6.9	6.2	6.2
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	6.3	6.4	6.6	6.1	9.9	10	9.7	9.7
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.023	0.013	0.076	0.076	0.057	0.12	0.060	0.075
Molybdenum	mg/L	0.11	0.11	0.090	0.091	0.10	0.11	0.10	0.10
Nickel	mg/L	0.040	0.038	0.024	0.026	0.069	0.049	0.066	0.070
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	11	11	11	12	11	11	10	11
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	580	580	690	710	730	720	800	820
Strontium	mg/L	0.24	0.22	0.23	0.24	0.23	0.22	0.22	0.25
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.18	0.21	0.16	0.14	0.19	0.20	0.21	0.22
Zinc	mg/L	8.1	7.6	6.7	7.4	9.0	8.7	8.3	8.6
Mercury	mg/L	0.0052	0.0048	0.0079	0.0086	0.0052	0.0059	0.0081	0.0071
Antimony	mg/L	0.85	0.93	0.85	0.82	0.84	0.78	1.0	1.0
Arsenic	mg/L	11	12	11	10	11	10	12	12
Lead	mg/L	0.015	0.015	0.026	0.025	<0.020	0.020	0.046	0.041
Selenium	mg/L	0.031	0.037	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Thallium	mg/L	<0.0010	<0.0010	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Anions	meq/L	18.9	17.9	21.0	22.3	--	--	21.5	22.5
Cations	meq/L	26.5	26.4	31.1	32.1	--	--	36.3	37.2
Error	%	17	19	19	18	--	--	26	25

Table 6-21.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63301 (continued)

		KCA Sample No. 63515 BB	KCA Sample No. 63515 CC	KCA Sample No. 63515 DD	KCA Sample No. 63515 EE	KCA Sample No. 63515 Final Barren
	WET Lab No.:	1206371	1206371	1206562	1206562	1206607
	Report Date:	25-Jun-12	25-Jun-12	3-Jul-12	3-Jul-12	24-Jul-12
Constituent	Unit					
pH	pH Units	10.13	10.24	9.72	9.75	9.51
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	150	<1.0	210	320	460
Carbonate (CO ₃)	mg/L	360	440	200	180	150
Hydroxide (OH)	mg/L	<1.0	4.8	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	730	750	590	560	620
Redox Potential	mV	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	89
Total Nitrogen	mg/L	--	--	--	--	89
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	1700
Electrical Conductivity	µmhos/cm	--	--	--	--	--
Chloride	mg/L	31	34	32	32	32
Fluoride	mg/L	4.0	4.1	4.1	4.1	4.1
Sulfate	mg/L	220	210	210	210	210
Nitrate Nitrogen	mg/L	<1.00	<1.00	--	--	0.75
Nitrite Nitrogen	mg/L	0.92	0.82	--	--	--
Aluminum	mg/L	0.48	0.45	1.4	1.6	1.8
Barium	mg/L	0.015	0.024	0.022	0.022	0.037
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.20	0.19	0.17	0.17	0.16
Cadmium	mg/L	0.045	0.043	0.017	0.018	0.0064
Calcium	mg/L	5.1	6.1	8.0	7.1	29
Chromium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0053
Cobalt	mg/L	0.24	0.22	0.17	0.24	0.17
Copper	mg/L	6.8	5.8	2.1	5.9	3.2
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	12	11	7.2	12	11
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.029	0.099	0.028	0.037	0.039
Molybdenum	mg/L	0.11	0.10	0.089	0.098	0.091
Nickel	mg/L	0.068	0.056	0.036	0.052	0.030
Phosphorus	mg/L	<0.50	<0.50	--	--	<0.50
Potassium	mg/L	9.4	9.3	7.8	7.9	7.3
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	780	780	690	670	610
Strontium	mg/L	0.20	0.21	0.17	0.16	0.45
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.24	0.23	0.15	0.23	0.20
Zinc	mg/L	9.0	8.8	3.9	3.8	1.3
Mercury	mg/L	0.0025	0.0020	0.0031	0.0039	0.0034
Antimony	mg/L	1.0	0.96	1.1	1.2	1.2
Arsenic	mg/L	13	12	17	17	15
Lead	mg/L	0.063	0.057	0.16	0.15	0.23
Selenium	mg/L	<0.10	<0.10	0.090	0.090	0.040
Thallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.0010
Anions	meq/L	20.1	20.5	--	--	18.1
Cations	meq/L	35.6	35.6	--	--	29.1
Error	%	27.8	26.9	--	--	23
Cyanate	mg/L	--	--	--	--	120
Thiocyanate	mg/L	--	--	--	--	41
Ammonia, as Nitrogen	mg/L	--	--	--	--	71

Table 6-22.
Eagle Gold Project
KCA Test No. 63304
Summary of Sampled Solutions

KCA Test No.	KCA Sample No.	Combined Dates	Volume, per Day	Number of Days	Solution Type	WETLAB Job No.	Notes
63304	63516 A	31 Jan - 06 Feb	20 mLs	7	Preg	1204007	Active Cyanide Leach
63304	63516 B	12, 14, 16 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63304	63516 C	13, 15 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63304	63516 D	20, 22 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63304	63516 E	19, 21, 23 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63304	63516 F	26, 28, 30 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63304	63516 G	27, 29 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63304	63516 H	2,4, 6 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63304	63516 I	3,5 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63304	63516 J	10,12 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63304	63516 K	9, 11,13 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63304	63516 L	16, 18,20 April	50 mLs	3	Barren	1205098	Active Cyanide Leach
63304	63516 M	17, 19 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63304	63516 N	24, 26 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63304	63516 O	23, 25 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63304	63516 P	1,3 May	50 mLs	2	Barren	1205098	Active Cyanide Leach
63304	63516 Q	30 April, 2, 4 May	50 mLs	3	Barren	1205098	Active Cyanide Leach
63304	63516 R	7,9,11 May	50 mLs	3	Barren	1205246	Active Cyanide Leach
63304	63516 S	8,10 May	50 mLs	2	Barren	1205246	Active Cyanide Leach
63304	63516 T	15,17 May	50 mLs	2	Barren	1205371	Active Cyanide Leach
63304	63516 U	14,16,18 May	50 mLs	3	Barren	1205371	Active Cyanide Leach
63304	63516 V	21,23,25 May	50 mLs	3	Barren	1205498	Active Cyanide Leach
63304	63516 W	22,24 May	50 mLs	2	Barren	1205498	Active Cyanide Leach
63304	63516 X	30 May, 1 June	50 mLs	2	Barren	1206013	Active Cyanide Leach
63304	63516 Y	29,31 May	50 mLs	2	Barren	1206013	Active Cyanide Leach
63304	63516 Z	5,7 June	50 mLs	2	Barren	1206174	Active Cyanide Leach
63304	63516 AA	4,6,8 June	50 mLs	3	Barren	1206174	Active Cyanide Leach
63304	63516 BB	11,13,15 June	50 mLs	3	Barren	1206371	Active Cyanide Leach
63304	63516 CC	12,14 June	50 mLs	2	Barren	1206371	Active Cyanide Leach
63304	63516 DD	19,21 June	50 mLs	2	Barren	1206562	Active Cyanide Leach
63304	63516 EE	18,20,22 June	50 mLs	3	Barren	1206562	Active Cyanide Leach
63304	Final Barren	22 June	--	--	Barren	1206607	Combined barrens submitted for Profile II only.

Note: Lost by environmental lab

Table 6-23.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63304

		KCA Sample No. 63516 A	KCA Sample No. 63516 B	KCA Sample No. 63516 C	KCA Sample No. 63516 D	KCA Sample No. 63516 E	KCA Sample No. 63516 F	KCA Sample No. 63516 G	KCA Sample No. 63516 H
	WET Lab No.:	1204007	1204007	1204007	1204007	1204007	1204007	1204007	1204257
	Report Date:	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-May-12
Constituent	Unit								
pH	pH Units	--	--	--	--	--	--	--	10.25
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	-324
Bicarbonate (HCO ₃)	mg/L	--	--	--	--	--	--	--	<1.0
Carbonate (CO ₃)	mg/L	--	--	--	--	--	--	--	260
Hydroxide (OH)	mg/L	--	--	--	--	--	--	--	37
Total Alkalinity	mg/L as CaCO ₃	--	--	--	--	--	--	--	540
Redox Potential	mV	--	--	--	--	--	--	--	80
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	87
Total Nitrogen	mg/L	--	--	--	--	--	--	--	88
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	1700
Electrical Conductivity	µmhos/cm	--	--	--	--	--	--	--	2700
Chloride	mg/L	26	22	22	24	23	23	23	23
Fluoride	mg/L	1.2	2.1	2.1	2.5	2.3	2.6	2.4	2.8
Sulfate	mg/L	73	240	230	290	270	290	290	310
Nitrate Nitrogen	mg/L	0.42	0.50	0.47	0.50	0.48	0.50	0.52	0.23
Nitrite Nitrogen	mg/L	<0.25	0.33	0.38	0.43	0.45	0.45	0.47	0.60
Aluminum	mg/L	0.96	0.33	0.34	0.33	0.34	0.32	0.31	0.31
Barium	mg/L	0.020	0.010	0.015	<0.010	0.014	0.017	0.021	0.025
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cadmium	mg/L	0.064	0.020	0.012	0.021	0.020	0.025	0.024	0.024
Calcium	mg/L	9.0	7.7	17	7.0	12	13	21	12
Chromium	mg/L	0.014	<0.0050	0.0063	0.0050	<0.0050	<0.0050	0.0053	0.0050
Cobalt	mg/L	0.16	0.25	0.27	0.30	0.28	0.27	0.27	0.28
Copper	mg/L	10	7.4	6.2	7.3	7.5	7.4	7.3	4.0
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	0.33	2.7	2.9	3.8	3.7	4.3	4.1	4.0
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	0.79	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	<0.0050	<0.0050	<0.0050	<0.025	<0.0050	0.0087	<0.0050	0.016
Molybdenum	mg/L	0.22	0.18	0.19	0.22	0.21	0.21	0.21	0.18
Nickel	mg/L	0.62	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.012
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	17	17	23	16	18	16	16	15
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	0.17	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	340	430	420	480	550	580	550	580
Strontium	mg/L	2.0	0.82	0.84	0.68	0.98	0.87	0.99	0.76
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	<0.010	0.10	0.11	0.13	0.12	0.14	0.12	0.14
Zinc	mg/L	12	7.8	6.2	8.2	8.1	8.9	8.8	7.8
Mercury	mg/L	0.0055	0.0033	0.0036	0.0044	0.0041	0.0040	0.0041	0.0079
Antimony	mg/L	0.019	0.18	0.17	0.24	0.27	0.24	0.24	0.31
Arsenic	mg/L	0.029	0.90	0.99	2.1	1.6	2.3	2.0	3.2
Lead	mg/L	<0.0025	0.0051	0.011	0.0044	0.0048	0.0054	0.012	0.037
Selenium	mg/L	0.10	0.035	0.027	0.032	0.030	0.034	0.033	<0.10
Thallium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020
Uranium	mg/L	--	--	--	--	--	--	--	<0.020
Anions	meq/L	--	--	--	--	--	--	--	18.1
Cations	meq/L	--	--	--	--	--	--	--	23.5
Error	%	--	--	--	--	--	--	--	13

Table 6-24.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63304 (continued)

		KCA Sample No. 63516 L	KCA Sample No. 63516 M	KCA Sample No. 63516 N	KCA Sample No. 63516 O	KCA Sample No. 63516 P	KCA Sample No. 63516 Q	KCA Sample No. 63516 R	KCA Sample No. 63516 S
	WET Lab No.:	1205098	1205098	1205098	1205098	1205098	1205098	1205246	1205246
	Report Date:	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	29-May-12	29-May-12
Constituent	Unit								
pH	pH Units	10.45	10.38	10.40	10.36	10.46	10.53	10.22	10.32
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbonate (CO ₃)	mg/L	270	270	270	300	300	300	280	320
Hydroxide (OH)	mg/L	23	39	15	33	39	80	39	29
Total Alkalinity	mg/L as CaCO ₃	520	570	500	600	620	740	590	650
Redox Potential	mV	53	68	50	48	43	60	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	2900	3000	3000	3100	3200	3700	--	--
Chloride	mg/L	23	22	22	23	24	24	25	24
Fluoride	mg/L	3.6	3.4	3.9	3.8	4.0	3.8	4.2	4.1
Sulfate	mg/L	340	320	340	350	370	360	360	350
Nitrate Nitrogen	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Nitrite Nitrogen	mg/L	0.64	0.64	0.66	0.67	0.64	0.66	0.76	0.84
Aluminum	mg/L	0.38	0.36	0.40	0.72	0.24	0.27	0.099	0.10
Barium	mg/L	0.015	0.020	0.024	0.074	0.022	0.036	0.017	0.014
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.10	<0.10	0.12	0.12	0.12	0.13	0.14	0.14
Cadmium	mg/L	0.023	0.024	0.023	0.028	0.032	0.032	0.038	0.038
Calcium	mg/L	6.2	6.4	6.7	7.0	6.9	7.4	6.9	5.3
Chromium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	<0.0050	<0.0050	<0.0050
Cobalt	mg/L	0.28	0.26	0.29	0.30	0.32	0.30	0.18	0.19
Copper	mg/L	6.5	6.1	5.4	5.9	5.7	5.5	4.0	2.8
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	4.9	4.4	5.5	6.6	7.0	6.9	5.3	4.7
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.015	0.019	0.015	0.058	0.030	0.065	0.0098	0.017
Molybdenum	mg/L	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.16
Nickel	mg/L	0.017	0.016	0.021	0.028	0.036	0.037	0.027	0.020
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	13	12	13	14	13	14	12	13
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	580	660	590	730	780	800	730	760
Strontium	mg/L	0.58	0.55	0.46	0.56	0.49	0.50	0.40	0.38
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.15	0.15	0.17	0.15	0.16	0.15	0.16	0.14
Zinc	mg/L	7.3	7.6	7.5	8.4	9.3	9.5	9.2	9.0
Mercury	mg/L	0.0036	0.0040	0.0044	0.0052	0.0058	0.0057	0.011	0.0091
Antimony	mg/L	0.50	0.47	0.61	0.58	0.62	0.60	0.69	0.71
Arsenic	mg/L	5.7	5.6	7.3	6.6	7.5	7.1	8.6	8.1
Lead	mg/L	0.0095	0.014	0.013	0.054	0.013	0.026	0.016	0.0093
Selenium	mg/L	0.030	0.029	0.032	0.033	0.035	<0.25	<0.050	<0.050
Thallium	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.010	<0.0010
Anions	meq/L	18.3	18.8	17.8	20.1	20.9	23.1	20.1	20.6
Cations	meq/L	26.6	30.0	27.1	33.3	35.5	36.4	33.1	34.3
Error	%	19	23	21	25	26	22	24	25

Table 6-25.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63304 (continued)

		KCA Sample No. 63516 T	KCA Sample No. 63516 U	KCA Sample No. 63516 V	KCA Sample No. 63516 W	KCA Sample No. 63516 X	KCA Sample No. 63516 Y	KCA Sample No. 63516 Z	KCA Sample No. 63516 AA
	WET Lab No.:	1205371	1205371	1205498	1205498	1206013	1206013	1206174	1206174
	Report Date:	4-Jun-12	4-Jun-12	5-Jun-12	5-Jun-12	6-Jun-12	6-Jun-12	20-Jun-12	20-Jun-12
Constituent	Unit								
pH	pH Units	10.41	10.37	10.40	10.39	--	--	10.26	10.38
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	<1.0	--	--	<1.0	<1.0
Carbonate (CO ₃)	mg/L	330	340	360	360	--	--	460	420
Hydroxide (OH)	mg/L	34	27	60	27	--	--	1.4	62
Total Alkalinity	mg/L as CaCO ₃	650	640	780	670	--	--	760	880
Redox Potential	mV	57	51	--	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	3500	3500	--	--	--	--	--	--
Chloride	mg/L	24	25	25	24	26	26	25	24
Fluoride	mg/L	4.1	4.1	3.7	3.9	4.2	4.2	4.3	3.9
Sulfate	mg/L	330	340	380	360	320	330	300	290
Nitrate Nitrogen	mg/L	<1.0	<1.0	--	--	<1.0	<1.0	<1.0	<1.0
Nitrite Nitrogen	mg/L	0.77	0.85	--	--	0.81	0.86	0.89	0.76
Aluminum	mg/L	0.085	0.13	0.093	0.096	<0.045	<0.045	0.080	0.25
Barium	mg/L	<0.010	0.021	0.023	0.022	<0.010	<0.010	<0.010	0.057
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.15	0.16	0.13	0.14	0.16	0.15	0.18	0.17
Cadmium	mg/L	0.042	0.048	0.038	0.038	0.044	0.042	0.048	0.043
Calcium	mg/L	4.1	4.9	5.9	4.7	3.0	3.7	5.1	5.4
Chromium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0055
Cobalt	mg/L	0.30	0.30	0.17	0.17	0.31	0.22	0.15	0.20
Copper	mg/L	7.2	7.8	2.8	3.6	8.3	5.6	4.8	6.0
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	6.8	7.3	5.8	5.9	8.3	7.4	7.3	8.7
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.022	0.020	0.11	0.025	0.048	0.012	0.026	0.18
Molybdenum	mg/L	0.17	0.17	0.15	0.15	0.16	0.16	0.16	0.15
Nickel	mg/L	0.051	0.064	0.021	0.028	0.053	0.038	0.051	0.052
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	12	12	13	12	11	11	11	12
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	740	770	870	780	770	780	920	910
Strontium	mg/L	0.30	0.30	0.34	0.28	0.24	0.24	0.27	0.28
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.18	0.18	0.14	0.16	0.20	0.17	0.21	0.19
Zinc	mg/L	9.6	10	9.0	8.7	10	9.6	10	9.3
Mercury	mg/L	0.0088	0.0085	0.0099	0.0092	0.0074	0.0073	0.0075	0.0051
Antimony	mg/L	0.78	0.79	0.83	0.82	0.80	0.82	1.0	0.93
Arsenic	mg/L	9.6	9.7	10	11	11	11	13	12
Lead	mg/L	0.012	0.031	0.031	0.036	<0.020	<0.020	0.020	0.055
Selenium	mg/L	0.056	0.057	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Thallium	mg/L	<0.0010	<0.0010	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Anions	meq/L	20.8	20.9	24.3	22.0	--	--	22.6	24.6
Cations	meq/L	33.6	35.0	39.2	35.2	--	--	41.4	41.1
Error	%	24	25	23	23	--	--	29	25

Table 6-26.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63304 (continued)

		KCA Sample No. 63516 BB	KCA Sample No. 63516 CC	KCA Sample No. 63516 DD	KCA Sample No. 63516 EE	KCA Sample No. 63516 Final Barren
	WET Lab No.:	1206371	1206371	1206562	1206562	1206607
	Report Date:	25-Jun-12	25-Jun-12	3-Jul-12	3-Jul-12	24-Jul-12
Constituent	Unit					
pH	pH Units	10.23	10.26	9.73	9.78	9.45
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	340	220	470
Carbonate (CO ₃)	mg/L	430	460	210	170	130
Hydroxide (OH)	mg/L	22	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	780	760	630	460	600
Redox Potential	mV	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	120
Total Nitrogen	mg/L	--	--	--	--	120
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	1800
Electrical Conductivity	µmhos/cm	--	--	--	--	--
Chloride	mg/L	23	23	24	24	24
Fluoride	mg/L	4.1	4.1	4.3	4.1	4.4
Sulfate	mg/L	250	260	260	260	260
Nitrate Nitrogen	mg/L	<1.00	<1.00	--	--	0.71
Nitrite Nitrogen	mg/L	0.76	0.90	--	--	--
Aluminum	mg/L	0.25	0.29	1.2	1.2	1.5
Barium	mg/L	0.017	0.012	0.018	0.017	0.033
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.19	0.19	0.18	0.18	0.17
Cadmium	mg/L	0.048	0.052	0.024	0.027	0.013
Calcium	mg/L	5.2	5.2	6.8	7.0	29
Chromium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cobalt	mg/L	0.26	0.26	0.29	0.30	0.21
Copper	mg/L	6.2	6.1	7.1	7.6	4.8
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	8.4	8.5	9.6	9.8	8.9
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.032	0.028	0.021	0.020	0.022
Molybdenum	mg/L	0.14	0.15	0.14	0.14	0.13
Nickel	mg/L	0.072	0.073	0.086	0.099	0.061
Phosphorus	mg/L	<0.50	<0.50	--	--	<0.50
Potassium	mg/L	10	11	8.4	8.7	8.1
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	800	900	740	760	680
Strontium	mg/L	0.22	0.23	0.19	0.19	0.49
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.22	0.22	0.22	0.21	0.20
Zinc	mg/L	9.9	11	5.9	7.0	4.5
Mercury	mg/L	0.0042	0.0036	0.0091	0.0056	0.0037
Antimony	mg/L	0.89	0.98	1.2	1.3	1.3
Arsenic	mg/L	12	14	18	18	17
Lead	mg/L	0.042	0.036	0.13	0.11	0.18
Selenium	mg/L	<0.10	<0.10	0.11	0.10	0.048
Thallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.0010
Anions	meq/L	21.7	21.6	--	--	18.4
Cations	meq/L	36.3	40.7	--	--	32.2
Error	%	25.2	30.6	--	--	27
Cyanate	mg/L	--	--	--	--	160
Thiocyanate	mg/L	--	--	--	--	54
Ammonia, as Nitrogen	mg/L	--	--	--	--	67

Table 6-27.
Eagle Gold Project
KCA Test No. 63307
Summary of Sampled Solutions

KCA Test No.	KCA Sample No.	Combined Dates	Volume, per Day	Number of Days	Solution Type	WETLAB Job No.	Notes
63307	63517 A	31 Jan - 06 Feb	20 mLs	7	Preg	1204007	Active Cyanide Leach
63307	63517 B	12, 14, 16 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63307	63517 C	13, 15 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63307	63517 D	20, 22 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63307	63517 E	19, 21, 23 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63307	63517 F	26, 28, 30 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63307	63517 G	27, 29 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63307	63517 H	2,4, 6 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63307	63517 I	3,5 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63307	63517 J	10,12 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63307	63517 K	9, 11,13 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63307	63517 L	16, 18,20 April	50 mLs	3	Barren	1205098	Active Cyanide Leach
63307	63517 M	17, 19 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63307	63517 N	24, 26 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63307	63517 O	23, 25 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63307	63517 P	1,3 May	50 mLs	2	Barren	1205098	Active Cyanide Leach
63307	63517 Q	30 April, 2, 4 May	50 mLs	3	Barren	1205098	Active Cyanide Leach
63307	63517 R	7,9,11 May	50 mLs	3	Barren	1205246	Active Cyanide Leach
63307	63517 S	8,10 May	50 mLs	2	Barren	1205246	Active Cyanide Leach
63307	63517 T	15,17 May	50 mLs	2	Barren	1205371	Active Cyanide Leach
63307	63517 U	14,16,18 May	50 mLs	3	Barren	1205371	Active Cyanide Leach
63307	63517 V	21,23,25 May	50 mLs	3	Barren	1205498	Active Cyanide Leach
63307	63517 W	22,24 May	50 mLs	2	Barren	1205498	Active Cyanide Leach
63307	63517 X	30 May, 1 June	50 mLs	2	Barren	1206013	Active Cyanide Leach
63307	63517 Y	29,31 May	50 mLs	2	Barren	1206013	Active Cyanide Leach
63307	63517 Z	5,7 June	50 mLs	2	Barren	1206174	Active Cyanide Leach
63307	63517 AA	4,6,8 June	50 mLs	3	Barren	1206174	Active Cyanide Leach
63307	63517 BB	11,13,15 June	50 mLs	3	Barren	1206371	Active Cyanide Leach
63307	63517 CC	12,14 June	50 mLs	2	Barren	1206371	Active Cyanide Leach
63307	63517 DD	19,21 June	50 mLs	2	Barren	1206562	Active Cyanide Leach
63307	63517 EE	18,20,22 June	50 mLs	3	Barren	1206562	Active Cyanide Leach
63307	Final Barren	22 June	--	--	Barren	1206607	Combined barrens submitted for Profile II only.

Note: Lost by environmental lab

Table 6-28.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63307

		KCA Sample No. 63517 A	KCA Sample No. 63517 B	KCA Sample No. 63517 C	KCA Sample No. 63517 D	KCA Sample No. 63517 E	KCA Sample No. 63517 F	KCA Sample No. 63517 G	KCA Sample No. 63517 H
	WET Lab No.:	1204007	1204007	1204007	1204007	1204007	1204007	1204007	1204257
	Report Date:	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-May-12
Constituent	Unit								
pH	pH Units	--	--	--	--	--	--	--	10.25
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	-418
Bicarbonate (HCO ₃)	mg/L	--	--	--	--	--	--	--	<1.0
Carbonate (CO ₃)	mg/L	--	--	--	--	--	--	--	240
Hydroxide (OH)	mg/L	--	--	--	--	--	--	--	40
Total Alkalinity	mg/L as CaCO ₃	--	--	--	--	--	--	--	510
Redox Potential	mV	--	--	--	--	--	--	--	80
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	88
Total Nitrogen	mg/L	--	--	--	--	--	--	--	89
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	1700
Electrical Conductivity	µmhos/cm	--	--	--	--	--	--	--	2800
Chloride	mg/L	22	22	21	23	23	22	21	22
Fluoride	mg/L	1.1	2.5	1.9	2.6	2.4	2.6	2.4	2.8
Sulfate	mg/L	59	250	220	280	280	290	270	300
Nitrate Nitrogen	mg/L	0.42	0.49	0.46	0.50	0.50	0.50	0.51	0.23
Nitrite Nitrogen	mg/L	<0.25	0.42	0.31	0.50	0.47	0.46	0.46	0.57
Aluminum	mg/L	1.1	0.44	0.32	0.38	0.33	0.32	0.72	0.39
Barium	mg/L	0.040	0.018	0.013	0.015	0.016	0.012	0.11	0.035
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cadmium	mg/L	0.063	0.023	0.016	0.021	0.019	0.025	0.023	0.024
Calcium	mg/L	30	5.0	20	13	25	15	15	7.1
Chromium	mg/L	0.017	0.0092	0.0090	0.0087	0.0085	0.0054	0.0094	0.0065
Cobalt	mg/L	0.13	0.29	0.27	0.29	0.24	0.27	0.26	0.28
Copper	mg/L	8.5	7.4	6.8	6.9	5.7	6.6	6.4	3.8
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	0.16	2.6	2.5	3.2	2.6	3.6	4.4	4.4
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	1.0	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	<0.0050	0.0085	<0.0050	<0.025	<0.0050	<0.0050	0.072	0.046
Molybdenum	mg/L	0.19	0.20	0.20	0.21	0.20	0.20	0.19	0.17
Nickel	mg/L	0.51	<0.010	<0.010	0.012	0.016	<0.010	0.021	<0.010
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	17	13	24	13	13	13	12	13
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	0.10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	340	390	420	440	490	520	470	560
Strontium	mg/L	2.8	0.59	0.88	0.76	1.1	0.81	0.75	0.65
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	<0.010	0.14	0.11	0.14	0.13	0.14	0.14	0.14
Zinc	mg/L	12	8.2	7.0	7.9	7.4	8.6	8.0	7.5
Mercury	mg/L	0.0050	0.0035	0.0032	0.0039	0.0026	0.0038	0.0040	0.0078
Antimony	mg/L	0.019	0.20	0.18	0.24	0.20	0.30	0.26	0.31
Arsenic	mg/L	0.019	1.6	0.89	2.0	1.5	2.6	2.3	3.2
Lead	mg/L	<0.0025	0.010	0.0086	0.0073	0.0043	0.0054	0.073	0.046
Selenium	mg/L	0.089	0.046	0.042	0.042	0.027	0.032	0.030	<0.10
Thallium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020
Uranium	mg/L	--	--	--	--	--	--	--	<0.020
Anions	meq/L	--	--	--	--	--	--	--	17.4
Cations	meq/L	--	--	--	--	--	--	--	21.4
Error	%	--	--	--	--	--	--	--	10

Table 6-29.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63307 (continued)

		KCA Sample No. 63517 L	KCA Sample No. 63517 M	KCA Sample No. 63517 N	KCA Sample No. 63517 O	KCA Sample No. 63517 P	KCA Sample No. 63517 Q	KCA Sample No. 63517 R	KCA Sample No. 63517 S
	WET Lab No.:	1205098	1205098	1205098	1205098	1205098	1205098	1205246	1205246
	Report Date:	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	29-May-12	29-May-12
Constituent	Unit								
pH	pH Units	10.24	10.29	10.47	10.35	10.38	10.40	10.27	10.28
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbonate (CO ₃)	mg/L	240	250	290	280	300	290	350	360
Hydroxide (OH)	mg/L	16	29	71	35	39	27	39	30
Total Alkalinity	mg/L as CaCO ₃	450	500	690	580	620	570	700	690
Redox Potential	mV	56	58	56	55	50	47	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	2600	2900	3400	3000	3300	3400	--	--
Chloride	mg/L	23	22	23	23	25	25	25	24
Fluoride	mg/L	3.5	3.3	3.5	3.7	3.7	3.7	3.6	3.8
Sulfate	mg/L	320	310	320	320	320	330	310	300
Nitrate Nitrogen	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Nitrite Nitrogen	mg/L	0.64	0.62	0.72	0.65	0.69	0.70	0.63	0.70
Aluminum	mg/L	0.35	0.45	0.23	0.23	0.16	0.14	0.16	0.069
Barium	mg/L	0.014	0.034	0.013	0.013	0.018	0.019	0.041	0.012
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	<0.10	<0.10	0.10	0.11	0.11	0.14	0.11	0.13
Cadmium	mg/L	0.021	0.019	0.023	0.028	0.031	0.027	0.032	0.036
Calcium	mg/L	4.8	6.1	5.8	5.0	7.2	5.2	5.9	4.5
Chromium	mg/L	0.0052	0.0058	<0.0050	<0.0050	<0.0050	0.0052	0.0054	<0.0050
Cobalt	mg/L	0.28	0.26	0.26	0.28	0.28	0.21	0.18	0.17
Copper	mg/L	6.4	5.8	5.6	6.8	6.3	5.3	2.9	4.2
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	4.9	4.6	5.4	5.7	6.2	4.5	5.5	5.7
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.0099	0.029	0.089	0.091	0.062	0.018	0.12	0.058
Molybdenum	mg/L	0.16	0.15	0.15	0.16	0.15	0.16	0.15	0.15
Nickel	mg/L	0.017	0.012	0.016	0.025	0.036	0.017	0.015	0.022
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	10	11	13	12	11	11	11	11
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	540	560	760	740	740	760	750	730
Strontium	mg/L	0.42	0.43	0.46	0.41	0.38	0.38	0.34	0.33
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.16	0.14	0.14	0.16	0.16	0.15	0.14	0.16
Zinc	mg/L	7.1	6.8	7.3	8.8	9.0	8.1	8.3	8.8
Mercury	mg/L	0.0043	0.0037	0.0057	0.0042	0.0066	0.0080	0.0076	0.0066
Antimony	mg/L	0.51	0.46	0.58	0.60	0.57	0.58	0.65	0.67
Arsenic	mg/L	6.4	5.4	6.3	7.2	7.3	7.9	7.3	7.6
Lead	mg/L	0.0083	0.022	0.0087	0.0089	0.021	0.019	0.035	0.0088
Selenium	mg/L	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.050	<0.050
Thallium	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.0010	<0.0010	<0.0010
Anions	meq/L	16.4	17.3	21.3	18.9	19.9	19.0	21.3	20.9
Cations	meq/L	24.7	25.6	34.4	33.6	33.7	34.3	33.9	33.0
Error	%	20	19	23	28	26	29	23	22

Table 6-30.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63307 (continued)

		KCA Sample No. 63517 T	KCA Sample No. 63517 U	KCA Sample No. 63517 V	KCA Sample No. 63517 W	KCA Sample No. 63517 X	KCA Sample No. 63517 Y	KCA Sample No. 63517 Z	KCA Sample No. 63517 AA
	WET Lab No.:	1205371	1205371	1205498	1205498	1206013	1206013	1206174	1206174
	Report Date:	4-Jun-12	4-Jun-12	5-Jun-12	5-Jun-12	6-Jun-12	6-Jun-12	20-Jun-12	20-Jun-12
Constituent	Unit								
pH	pH Units	10.28	10.23	10.39	10.36	--	--	10.46	10.19
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	9.8	49	<1.0	<1.0	--	--	<1.0	34
Carbonate (CO ₃)	mg/L	420	390	400	390	--	--	480	400
Hydroxide (OH)	mg/L	<1.0	<1.0	48	22	--	--	30	<1.0
Total Alkalinity	mg/L as CaCO ₃	700	680	810	710	--	--	880	700
Redox Potential	mV	56	66	--	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	3600	3900	--	--	--	--	--	--
Chloride	mg/L	27	27	26	27	26	26	27	27
Fluoride	mg/L	4.0	3.8	3.5	3.7	4.0	3.8	4.0	4.3
Sulfate	mg/L	320	320	340	340	280	280	290	290
Nitrate Nitrogen	mg/L	<1.0	<1.0	--	--	<1.0	<1.0	<1.0	<1.0
Nitrite Nitrogen	mg/L	0.75	0.77	--	--	0.78	0.79	0.98	0.76
Aluminum	mg/L	0.32	0.11	0.081	0.090	0.13	0.11	0.29	0.28
Barium	mg/L	0.048	0.016	0.018	0.011	0.010	<0.010	0.012	0.015
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.14	0.13	0.13	0.13	0.15	0.14	0.17	0.17
Cadmium	mg/L	0.040	0.046	0.039	0.035	0.048	0.048	0.048	0.045
Calcium	mg/L	13	4.6	5.1	4.7	3.1	4.0	5.4	5.2
Chromium	mg/L	0.0057	<0.0050	<0.0050	<0.0050	0.0050	<0.0050	0.0051	0.0051
Cobalt	mg/L	0.30	0.29	0.15	0.16	0.28	0.18	0.24	0.24
Copper	mg/L	7.7	8.1	3.7	4.1	8.7	5.3	7.7	6.6
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	8.4	8.2	7.3	7.6	9.9	8.9	11	10
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.035	0.030	0.098	0.020	0.040	0.083	0.20	0.029
Molybdenum	mg/L	0.17	0.17	0.14	0.14	0.15	0.13	0.15	0.15
Nickel	mg/L	0.040	0.048	0.023	0.022	0.049	0.041	0.051	0.048
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	11	11	11	10	9.2	9.6	9.8	9.1
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	880	860	880	860	800	890	960	900
Strontium	mg/L	0.36	0.26	0.29	0.27	0.21	0.22	0.27	0.22
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.19	0.17	0.16	0.17	0.20	0.17	0.22	0.23
Zinc	mg/L	9.5	10	8.9	8.2	11	9.8	10	9.8
Mercury	mg/L	0.0057	0.0057	0.013	0.0067	0.0071	0.0081	0.0076	0.0074
Antimony	mg/L	0.86	0.82	0.80	0.88	0.78	0.86	0.99	1.0
Arsenic	mg/L	11	9.8	10	12	11	11	12	13
Lead	mg/L	0.054	0.020	0.024	<0.020	0.026	<0.020	0.035	0.042
Selenium	mg/L	0.063	0.056	<0.10	<0.10	<0.10	<0.10	0.10	<0.10
Thallium	mg/L	<0.0010	<0.0010	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Anions	meq/L	21.8	21.4	24.2	22.3	--	--	24.8	20.9
Cations	meq/L	40.2	38.9	39.6	38.7	--	--	43.5	40.7
Error	%	30	29	24	27	--	--	27	32

Table 6-31.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63307 (continued)

		KCA Sample No. 63517 BB	KCA Sample No. 63517 CC	KCA Sample No. 63517 DD	KCA Sample No. 63517 EE	KCA Sample No. 63517 Final Barren
	WET Lab No.:	1206371	1206371	1206562	1206562	1206607
	Report Date:	25-Jun-12	25-Jun-12	3-Jul-12	3-Jul-12	24-Jul-12
Constituent	Unit					
pH	pH Units	10.10	10.13	9.82	9.77	9.57
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	73	100	330	380	590
Carbonate (CO ₃)	mg/L	460	440	230	240	180
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	820	810	660	710	780
Redox Potential	mV	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	130
Total Nitrogen	mg/L	--	--	--	--	130
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	2100
Electrical Conductivity	µmhos/cm	--	--	--	--	--
Chloride	mg/L	27	27	26	27	28
Fluoride	mg/L	4.4	4.4	4.4	4.3	4.7
Sulfate	mg/L	280	280	260	270	280
Nitrate Nitrogen	mg/L	<1.00	<1.00	--	--	0.90
Nitrite Nitrogen	mg/L	0.92	0.92	--	--	--
Aluminum	mg/L	0.48	0.49	1.6	1.4	1.8
Barium	mg/L	0.038	0.015	0.022	0.021	0.051
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.19	0.19	0.18	0.18	0.18
Cadmium	mg/L	0.050	0.052	0.021	0.022	0.011
Calcium	mg/L	6.0	5.1	7.0	6.7	57
Chromium	mg/L	0.0072	0.0052	<0.050	0.0052	0.0068
Cobalt	mg/L	0.30	0.29	0.32	0.31	0.21
Copper	mg/L	6.9	7.0	7.6	7.7	5.0
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	12	12	12	12	12
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.049	0.045	0.38	0.036	0.040
Molybdenum	mg/L	0.16	0.16	0.14	0.14	0.14
Nickel	mg/L	0.054	0.055	0.065	0.072	0.053
Phosphorus	mg/L	<0.50	<0.50	--	--	0.56
Potassium	mg/L	9.7	9.4	7.4	7.7	8.2
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	970	990	770	800	760
Strontium	mg/L	0.21	0.21	0.15	0.16	0.86
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.25	0.24	0.24	0.22	0.22
Zinc	mg/L	11	11	5.2	6.2	3.7
Mercury	mg/L	0.0036	0.0045	0.0053	0.0055	0.0037
Antimony	mg/L	0.96	1.0	1.2	1.2	1.3
Arsenic	mg/L	13	14	17	18	17
Lead	mg/L	0.075	0.059	0.16	0.14	0.24
Selenium	mg/L	<0.10	<0.10	0.099	0.10	0.046
Thallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.0010
Anions	meq/L	23.4	23.1	--	--	22.6
Cations	meq/L	44.0	44.8	--	--	37.2
Error	%	30.7	31.9	--	--	24
Cyanate	mg/L	--	--	--	--	180
Thiocyanate	mg/L	--	--	--	--	56
Ammonia, as Nitrogen	mg/L	--	--	--	--	75

Table 6-32.
Eagle Gold Project
KCA Test No. 63310
Summary of Sampled Solutions

KCA Test No.	KCA Sample No.	Combined Dates	Volume, per Day	Number of Days	Solution Type	WETLAB Job No.	Notes
63310	63518 A	31 Jan - 06 Feb	20 mLs	7	Preg	1204007	Active Cyanide Leach
63310	63518 B	12, 14, 16 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63310	63518 C	13, 15 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63310	63518 D	20, 22 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63310	63518 E	19, 21, 23 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63310	63518 F	26, 28, 30 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63310	63518 G	27, 29 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63310	63518 H	2,4, 6 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63310	63518 I	3,5 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63310	63518 J	10,12 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63310	63518 K	9, 11,13 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63310	63518 L	16, 18,20 April	50 mLs	3	Barren	1205098	Active Cyanide Leach
63310	63518 M	17, 19 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63310	63518 N	24, 26 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63310	63518 O	23, 25 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63310	63518 P	1,3 May	50 mLs	2	Barren	1205098	Active Cyanide Leach
63310	63518 Q	30 April, 2, 4 May	50 mLs	3	Barren	1205098	Active Cyanide Leach
63310	63518 R	7,9,11 May	50 mLs	3	Barren	1205246	Active Cyanide Leach
63310	63518 S	8,10 May	50 mLs	2	Barren	1205246	Active Cyanide Leach
63310	63518 T	15,17 May	50 mLs	2	Barren	1205371	Active Cyanide Leach
63310	63518 U	14,16,18 May	50 mLs	3	Barren	1205371	Active Cyanide Leach
63310	63518 V	21,23,25 May	50 mLs	3	Barren	1205498	Active Cyanide Leach
63310	63518 W	22,24 May	50 mLs	2	Barren	1205498	Active Cyanide Leach
63310	63518 X	30 May, 1 June	50 mLs	2	Barren	1206013	Active Cyanide Leach
63310	63518 Y	29,31 May	50 mLs	2	Barren	1206013	Active Cyanide Leach
63310	63518 Z	5,7 June	50 mLs	2	Barren	1206174	Active Cyanide Leach
63310	63518 AA	4,6,8 June	50 mLs	3	Barren	1206174	Active Cyanide Leach
63310	63518 BB	11,13,15 June	50 mLs	3	Barren	1206371	Active Cyanide Leach
63310	63518 CC	12,14 June	50 mLs	2	Barren	1206371	Active Cyanide Leach
63310	63518 DD	19,21 June	50 mLs	2	Barren	1206562	Active Cyanide Leach
63310	63518 EE	18,20,22 June	50 mLs	3	Barren	1206562	Active Cyanide Leach
63310	Final Barren	22 June	--	--	Barren	1206607	Combined barrens submitted for Profile II only. Start Peroxide detox on 19 July.

Note: Lost by environmental lab

Table 6-33.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63310

		KCA Sample No. 63518 A	KCA Sample No. 63518 B	KCA Sample No. 63518 C	KCA Sample No. 63518 D	KCA Sample No. 63518 E	KCA Sample No. 63518 F	KCA Sample No. 63518 G	KCA Sample No. 63518 H
	WET Lab No.:	1204007	1204007	1204007	1204007	1204007	1204007	1204007	1204257
	Report Date:	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-May-12
Constituent	Unit								
pH	pH Units	--	--	--	--	--	--	--	10.32
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	-406
Bicarbonate (HCO ₃)	mg/L	--	--	--	--	--	--	--	<1.0
Carbonate (CO ₃)	mg/L	--	--	--	--	--	--	--	250
Hydroxide (OH)	mg/L	--	--	--	--	--	--	--	56
Total Alkalinity	mg/L as CaCO ₃	--	--	--	--	--	--	--	580
Redox Potential	mV	--	--	--	--	--	--	--	78
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	82
Total Nitrogen	mg/L	--	--	--	--	--	--	--	83
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	1700
Electrical Conductivity	µmhos/cm	--	--	--	--	--	--	--	3000
Chloride	mg/L	26	23	23	24	23	23	23	23
Fluoride	mg/L	1.2	2.2	2.2	2.6	2.5	2.7	2.5	2.9
Sulfate	mg/L	69	250	240	300	290	310	310	320
Nitrate Nitrogen	mg/L	0.43	0.49	0.48	0.52	0.52	0.52	0.52	0.25
Nitrite Nitrogen	mg/L	<0.25	0.43	0.39	0.46	0.46	0.46	0.50	0.62
Aluminum	mg/L	1.1	0.35	0.31	0.40	0.39	0.29	0.29	0.55
Barium	mg/L	0.030	0.010	0.011	0.022	0.020	0.016	0.018	0.091
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cadmium	mg/L	0.068	0.021	0.011	0.020	0.019	0.021	0.023	0.024
Calcium	mg/L	18	6.9	16	19	21	17	31	18
Chromium	mg/L	0.014	<0.025	0.0059	0.0051	0.0052	<0.0050	<0.0050	0.0054
Cobalt	mg/L	0.14	0.27	0.26	0.28	0.27	0.27	0.29	0.27
Copper	mg/L	10	8.3	6.5	8.0	7.7	7.8	8.4	6.6
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	0.10	1.4	1.5	1.8	1.7	1.8	2.0	2.9
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	1.2	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	<0.0050	<0.0050	<0.0050	<0.025	<0.0050	<0.0050	<0.0050	0.040
Molybdenum	mg/L	0.22	0.20	0.20	0.22	0.21	0.20	0.22	0.18
Nickel	mg/L	0.65	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010
Phosphorus	mg/L	<0.50	<0.50	0.65	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	17	16	25	15	15	13	14	15
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	0.13	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	310	430	400	460	470	500	540	640
Strontium	mg/L	2.4	0.78	0.74	0.90	0.98	0.89	1.1	0.99
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	<0.010	0.12	0.12	0.14	0.13	0.14	0.13	0.14
Zinc	mg/L	13	8.6	6.3	8.3	8.0	8.3	8.9	8.1
Mercury	mg/L	0.0058	0.0040	0.0035	0.0043	0.0043	0.0042	0.0045	0.0060
Antimony	mg/L	0.024	0.20	0.20	0.24	0.28	0.28	0.28	0.32
Arsenic	mg/L	0.021	1.2	0.032	1.9	1.7	2.4	2.3	3.0
Lead	mg/L	<0.0025	0.0059	0.0050	0.012	0.0073	0.0061	0.0048	0.11
Selenium	mg/L	0.11	0.035	0.032	0.038	0.031	0.032	0.036	<0.10
Thallium	mg/L	<0.0020	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020
Uranium	mg/L	--	--	--	--	--	--	--	<0.020
Anions	meq/L	--	--	--	--	--	--	--	19.1
Cations	meq/L	--	--	--	--	--	--	--	25.7
Error	%	--	--	--	--	--	--	--	15

Table 6-34.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63310 (continued)

		KCA Sample No. 63518 L	KCA Sample No. 63518 M	KCA Sample No. 63518 N	KCA Sample No. 63518 O	KCA Sample No. 63518 P	KCA Sample No. 63518 Q	KCA Sample No. 63518 R	KCA Sample No. 63518 S
	WET Lab No.:	1205098	1205098	1205098	1205098	1205098	1205098	1205246	1205246
	Report Date:	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	29-May-12	29-May-12
Constituent	Unit								
pH	pH Units	10.56	10.49	10.42	10.42	10.43	10.36	10.32	10.24
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbonate (CO ₃)	mg/L	270	280	280	280	310	280	340	340
Hydroxide (OH)	mg/L	92	84	54	46	54	38	48	16
Total Alkalinity	mg/L as CaCO ₃	720	710	630	610	670	580	700	620
Redox Potential	mV	56	59	54	60	46	48	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	3300	3400	3200	3200	3400	3400	--	--
Chloride	mg/L	22	22	23	23	23	23	24	21
Fluoride	mg/L	3.2	3.3	3.8	3.9	3.7	3.8	3.8	3.6
Sulfate	mg/L	340	350	360	360	340	350	350	310
Nitrate Nitrogen	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Nitrite Nitrogen	mg/L	0.58	0.61	0.63	0.63	0.61	0.63	0.73	0.53
Aluminum	mg/L	0.27	0.26	0.27	0.25	0.26	0.14	0.10	0.089
Barium	mg/L	0.013	0.016	0.014	0.016	0.040	0.016	0.016	<0.010
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.11	0.11	0.13	0.13	0.13	0.12	0.13	0.14
Cadmium	mg/L	0.026	0.029	0.029	0.032	0.029	0.028	0.042	0.038
Calcium	mg/L	11	14	8.2	7.5	8.6	7.2	6.9	4.8
Chromium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cobalt	mg/L	0.17	0.18	0.18	0.18	0.16	0.19	0.16	0.18
Copper	mg/L	5.2	5.9	6.7	6.7	6.5	6.3	5.6	5.1
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	2.2	3.2	4.0	3.9	4.0	4.2	4.4	4.3
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.057	0.19	0.012	0.011	0.057	0.013	0.044	0.011
Molybdenum	mg/L	0.17	0.16	0.16	0.17	0.16	0.15	0.16	0.16
Nickel	mg/L	0.012	0.018	0.020	0.025	0.019	0.018	0.028	0.023
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	14	13	14	13	12	11	12	11
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	860	750	810	790	810	690	810	760
Strontium	mg/L	0.80	0.79	0.56	0.55	0.50	0.42	0.41	0.34
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.12	0.12	0.14	0.15	0.14	0.14	0.14	0.15
Zinc	mg/L	8.4	9.1	9.1	9.4	9.0	8.3	10	9.4
Mercury	mg/L	0.0060	0.0057	0.0075	0.0071	0.0089	0.0060	0.0081	0.0083
Antimony	mg/L	0.47	0.41	0.61	0.58	0.61	0.58	0.73	0.67
Arsenic	mg/L	5.2	4.4	7.0	6.9	7.4	7.3	7.4	8.3
Lead	mg/L	0.0087	0.010	0.014	0.011	0.033	0.012	0.018	0.012
Selenium	mg/L	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.050	<0.050
Thallium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Anions	meq/L	22.3	22.4	20.9	20.4	21.4	19.7	22.3	19.5
Cations	meq/L	38.9	34.3	36.7	35.8	36.7	31.3	36.6	34.3
Error	%	27	21	28	27	26	23	24	27

Table 6-35.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63310 (continued)

		KCA Sample No. 63518 T	KCA Sample No. 63518 U	KCA Sample No. 63518 V	KCA Sample No. 63518 W	KCA Sample No. 63518 X	KCA Sample No. 63518 Y	KCA Sample No. 63518 Z	KCA Sample No. 63518 AA
	WET Lab No.:	1205371	1205371	1205498	1205498	1206013	1206013	1206174	1206174
	Report Date:	4-Jun-12	4-Jun-12	5-Jun-12	5-Jun-12	6-Jun-12	6-Jun-12	20-Jun-12	20-Jun-12
Constituent	Unit								
pH	pH Units	10.38	10.24	10.33	10.29	--	--	10.27	10.26
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	4.9	--	--	4.9	<1.0
Carbonate (CO ₃)	mg/L	340	360	370	370	--	--	430	410
Hydroxide (OH)	mg/L	42	14	27	<1.0	--	--	<1.0	18
Total Alkalinity	mg/L as CaCO ₃	690	640	690	620	--	--	710	730
Redox Potential	mV	59	57	--	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	3600	3600	--	--	--	--	--	--
Chloride	mg/L	25	25	25	25	26	24	25	26
Fluoride	mg/L	4.1	4.0	3.5	4.0	4.1	4.0	4.2	4.1
Sulfate	mg/L	340	340	380	380	320	300	300	310
Nitrate Nitrogen	mg/L	<1.0	<1.0	--	--	<1.0	<1.0	<1.0	<1.0
Nitrite Nitrogen	mg/L	0.68	0.68	--	--	0.85	0.71	0.85	0.85
Aluminum	mg/L	0.068	0.16	<0.045	<0.045	<0.045	0.088	<0.20	<0.045
Barium	mg/L	<0.010	0.029	0.011	<0.010	<0.010	0.014	0.015	0.011
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.14	0.14	0.12	0.13	0.15	0.14	0.16	0.16
Cadmium	mg/L	0.038	0.047	0.033	0.035	0.042	0.043	0.044	0.045
Calcium	mg/L	5.1	5.4	5.0	4.2	3.3	4.1	5.0	4.9
Chromium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cobalt	mg/L	0.28	0.29	0.17	0.18	0.32	0.19	0.24	0.24
Copper	mg/L	8.2	9.1	5.0	5.3	8.7	6.4	8.4	7.7
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	6.7	6.9	5.6	5.3	7.4	5.9	7.8	7.6
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.099	0.042	0.065	0.013	0.013	0.016	0.028	0.031
Molybdenum	mg/L	0.16	0.17	0.15	0.15	0.17	0.14	0.15	0.16
Nickel	mg/L	0.036	0.054	0.015	0.020	0.040	0.036	0.051	0.046
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	12	12	11	10	10	10	11	11
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	880	840	830	800	770	800	930	930
Strontium	mg/L	0.36	0.34	0.33	0.28	0.24	0.22	0.31	0.27
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.16	0.16	0.14	0.16	0.19	0.16	0.19	0.18
Zinc	mg/L	9.2	11	8.4	8.5	10	9.7	9.7	10
Mercury	mg/L	0.0061	0.0063	0.0062	0.0056	0.0050	0.0052	0.0095	0.0078
Antimony	mg/L	0.90	0.86	0.85	0.91	0.84	0.92	1.1	1.0
Arsenic	mg/L	11	9.8	9.9	12	11	12	12	12
Lead	mg/L	0.0064	0.032	<0.020	<0.020	<0.020	0.033	0.021	<0.020
Selenium	mg/L	0.059	0.061	<0.10	<0.10	<0.10	<0.10	0.10	<0.10
Thallium	mg/L	<0.0010	<0.0010	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Anions	meq/L	21.8	20.8	22.7	21.2	--	--	21.6	22.1
Cations	meq/L	39.8	38.1	37.4	36.0	--	--	42.0	41.9
Error	%	29	29	24	26	--	--	32	31

Table 6-36.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63310 (continued)

		KCA Sample No. 63518 BB	KCA Sample No. 63518 CC	KCA Sample No. 63518 DD	KCA Sample No. 63518 EE	KCA Sample No. 63518 Final Barren
	WET Lab No.:	1206371	1206371	1206562	1206562	1206607
	Report Date:	25-Jun-12	25-Jun-12	3-Jul-12	3-Jul-12	24-Jul-12
Constituent	Unit					
pH	pH Units	9.98	10.07	9.66	9.67	9.36
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	110	140	300	300	540
Carbonate (CO ₃)	mg/L	350	330	130	130	100
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	680	660	470	470	620
Redox Potential	mV	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	120
Total Nitrogen	mg/L	--	--	--	--	120
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	1900
Electrical Conductivity	µmhos/cm	--	--	--	--	--
Chloride	mg/L	25	25	24	25	25
Fluoride	mg/L	4.2	4.4	4.3	4.0	4.4
Sulfate	mg/L	290	290	270	290	290
Nitrate Nitrogen	mg/L	<1.00	<1.00	--	--	0.82
Nitrite Nitrogen	mg/L	0.68	0.75	--	--	--
Aluminum	mg/L	0.21	0.21	1.4	0.98	1.4
Barium	mg/L	0.036	0.014	0.027	0.017	0.051
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.17	0.19	0.16	0.16	0.11
Cadmium	mg/L	0.045	0.046	0.016	0.018	0.0067
Calcium	mg/L	6.5	5.8	8.0	7.2	65
Chromium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0053
Cobalt	mg/L	0.28	0.29	0.32	0.34	0.26
Copper	mg/L	7.0	7.2	6.7	6.8	4.0
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	8.2	8.4	9.3	9.3	8.7
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.042	0.017	0.031	0.023	0.022
Molybdenum	mg/L	0.16	0.16	0.15	0.16	0.15
Nickel	mg/L	0.038	0.047	0.040	0.040	0.029
Phosphorus	mg/L	<0.50	<0.50	--	--	<0.50
Potassium	mg/L	11	10	7.8	7.9	7.6
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	920	920	730	770	710
Strontium	mg/L	0.26	0.26	0.21	0.21	0.99
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.20	0.22	0.21	0.19	0.18
Zinc	mg/L	11	11	3.6	4.4	1.4
Mercury	mg/L	0.0036	0.0024	0.0052	0.0057	0.0035
Antimony	mg/L	1.0	1.1	1.3	1.3	1.4
Arsenic	mg/L	13	15	18	17	17
Lead	mg/L	0.051	0.040	0.13	0.085	0.21
Selenium	mg/L	<0.10	<0.10	0.096	0.096	0.044
Thallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.0010
Anions	meq/L	20.4	20.3	--	--	19.2
Cations	meq/L	41.6	41.6	--	--	35.1
Error	%	34.2	34.5	--	--	29
Cyanate	mg/L	--	--	--	--	170
Thiocyanate	mg/L	--	--	--	--	56
Ammonia, as Nitrogen	mg/L	--	--	--	--	29

Table 6-37.
Eagle Gold Project
KCA Test No. 63313
Summary of Sampled Solutions

KCA Test No.	KCA Sample No.	Combined Dates	Volume, per Day	Number of Days	Solution Type	WETLAB Job No.	Notes
63313	63519 A	31 Jan - 06 Feb	20 mLs	7	Preg	1204007	Active Cyanide Leach
63313	63519 B	12, 14, 16 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63313	63519 C	13, 15 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63313	63519 D	20, 22 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63313	63519 E	19, 21, 23 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63313	63519 F	26, 28, 30 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63313	63519 G	27, 29 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63313	63519 H	2,4, 6 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63313	63519 I	3,5 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63313	63519 J	10,12 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63313	63519 K	9, 11,13 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63313	63519 L	16, 18,20 April	50 mLs	3	Barren	1205098	Active Cyanide Leach
63313	63519 M	17, 19 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63313	63519 N	24, 26 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63313	63519 O	23, 25 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63313	63519 P	1,3 May	50 mLs	2	Barren	1205098	Active Cyanide Leach
63313	63519 Q	30 April, 2, 4 May	50 mLs	3	Barren	1205098	Active Cyanide Leach
63313	63519 R	7,9,11 May	50 mLs	3	Barren	1205246	Active Cyanide Leach
63313	63519 S	8,10 May	50 mLs	2	Barren	1205246	Active Cyanide Leach
63313	63519 T	15,17 May	50 mLs	2	Barren	1205371	Active Cyanide Leach
63313	63519 U	14,16,18 May	50 mLs	3	Barren	1205371	Active Cyanide Leach
63313	63519 V	21,23,25 May	50 mLs	3	Barren	1205498	Active Cyanide Leach
63313	63519 W	22,24 May	50 mLs	2	Barren	1205498	Active Cyanide Leach
63313	63519 X	30 May, 1 June	50 mLs	2	Barren	1206013	Active Cyanide Leach
63313	63519 Y	29,31 May	50 mLs	2	Barren	1206013	Active Cyanide Leach
63313	63519 Z	5,7 June	50 mLs	2	Barren	1206174	Active Cyanide Leach
63313	63519 AA	4,6,8 June	50 mLs	3	Barren	1206174	Active Cyanide Leach
63313	63519 BB	11,13,15 June	50 mLs	3	Barren	1206371	Active Cyanide Leach
63313	63519 CC	12,14 June	50 mLs	2	Barren	1206371	Active Cyanide Leach
63313	63519 DD	19,21 June	50 mLs	2	Barren	1206562	Active Cyanide Leach
63313	63519 EE	18,20,22 June	50 mLs	3	Barren	1206562	Active Cyanide Leach
63313	Final Barren	22 June	--	--	Barren	1206607	Combined barrens submitted for Profile II only. Start Peroxide detox on 19 July.

Note: Lost by environmental lab

Table 6-38.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63313

		KCA Sample No. 63519 A	KCA Sample No. 63519 B	KCA Sample No. 63519 C	KCA Sample No. 63519 D	KCA Sample No. 63519 E	KCA Sample No. 63519 F	KCA Sample No. 63519 G	KCA Sample No. 63519 H
	WET Lab No.:	1204007	1204007	1204007	1204007	1204007	1204007	1204007	1204257
	Report Date:	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-May-12
Constituent	Unit								
pH	pH Units	--	--	--	--	--	--	--	10.29
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	-330
Bicarbonate (HCO ₃)	mg/L	--	--	--	--	--	--	--	<1.0
Carbonate (CO ₃)	mg/L	--	--	--	--	--	--	--	270
Hydroxide (OH)	mg/L	--	--	--	--	--	--	--	27
Total Alkalinity	mg/L as CaCO ₃	--	--	--	--	--	--	--	540
Redox Potential	mV	--	--	--	--	--	--	--	76
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	76
Total Nitrogen	mg/L	--	--	--	--	--	--	--	77
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	1800
Electrical Conductivity	µmhos/cm	--	--	--	--	--	--	--	2900
Chloride	mg/L	24	22	23	23	22	22	23	25
Fluoride	mg/L	1.1	2.3	2.2	2.7	2.5	2.9	2.6	3.1
Sulfate	mg/L	60	250	240	280	280	300	300	350
Nitrate Nitrogen	mg/L	0.43	0.48	0.49	0.50	0.50	0.51	0.52	0.25
Nitrite Nitrogen	mg/L	<0.25	0.40	0.40	0.44	0.41	0.50	0.60	0.66
Aluminum	mg/L	1.2	0.42	0.35	0.38	0.35	0.32	0.29	0.87
Barium	mg/L	0.033	0.010	<0.010	0.010	0.011	0.013	0.015	0.15
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50
Boron	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50
Cadmium	mg/L	0.066	0.019	0.015	0.016	0.018	0.024	0.023	0.029
Calcium	mg/L	16	12	5.9	17	17	24	28	16
Chromium	mg/L	0.013	0.0079	0.0080	0.0065	0.0059	0.0057	0.0060	<0.025
Cobalt	mg/L	0.19	0.29	0.28	0.29	0.28	0.30	0.28	0.25
Copper	mg/L	9.6	7.3	6.6	6.6	7.1	7.6	7.4	7.0
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50
Iron	mg/L	0.076	1.6	1.6	1.9	1.9	2.3	2.2	3.2
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50
Magnesium	mg/L	<0.50	<0.50	0.70	<0.50	<0.50	<0.50	<0.50	<2.5
Manganese	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.078
Molybdenum	mg/L	0.21	0.20	0.20	0.20	0.19	0.20	0.20	0.26
Nickel	mg/L	0.67	0.012	<0.010	<0.010	<0.010	0.029	0.021	<0.050
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5
Potassium	mg/L	17	21	63	13	13	13	13	14
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50
Silver	mg/L	0.12	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.025
Sodium	mg/L	350	450	430	490	500	570	590	740
Strontium	mg/L	2.8	0.87	0.61	0.88	0.89	0.92	1.1	0.92
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50
Vanadium	mg/L	<0.010	0.14	0.13	0.15	0.14	0.16	0.14	0.21
Zinc	mg/L	13	7.6	6.7	6.6	7.2	8.3	8.0	11
Mercury	mg/L	0.0046	0.0030	0.0033	0.0041	0.0039	0.0045	0.0047	0.0073
Antimony	mg/L	0.021	0.19	0.17	0.25	0.23	0.32	0.29	0.43
Arsenic	mg/L	0.017	1.2	1.2	2.1	1.8	3.2	2.5	4.5
Lead	mg/L	<0.0025	0.0056	0.013	0.0047	0.0048	0.0078	0.0082	0.087
Selenium	mg/L	0.10	0.028	0.026	0.025	0.024	0.025	0.036	<0.10
Thallium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020
Uranium	mg/L	--	--	--	--	--	--	--	<0.0020
Anions	meq/L	--	--	--	--	--	--	--	18.8
Cations	meq/L	--	--	--	--	--	--	--	30.8
Error	%	--	--	--	--	--	--	--	24

Table 6-39.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63313 (continued)

		KCA Sample No. 63519 L	KCA Sample No. 63519 M	KCA Sample No. 63519 N	KCA Sample No. 63519 O	KCA Sample No. 63519 P	KCA Sample No. 63519 Q	KCA Sample No. 63519 R	KCA Sample No. 63519 S
	WET Lab No.:	1205098	1205098	1205098	1205098	1205098	1205098	1205246	1205246
	Report Date:	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	29-May-12	29-May-12
Constituent	Unit								
pH	pH Units	10.41	10.38	10.34	10.38	10.42	10.36	10.29	10.27
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbonate (CO ₃)	mg/L	290	290	320	320	360	330	360	330
Hydroxide (OH)	mg/L	49	50	42	38	31	35	19	34
Total Alkalinity	mg/L as CaCO ₃	620	630	650	650	690	650	660	650
Redox Potential	mV	52	84	74	73	68	67	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	3100	3200	3300	3200	3400	3500	--	--
Chloride	mg/L	27	28	27	26	27	28	32	31
Fluoride	mg/L	3.3	3.2	3.4	3.4	3.5	3.4	4.0	4.1
Sulfate	mg/L	310	320	320	300	300	320	350	330
Nitrate Nitrogen	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Nitrite Nitrogen	mg/L	0.56	0.60	0.53	0.56	0.61	0.56	0.79	0.75
Aluminum	mg/L	0.18	0.18	0.16	0.13	0.088	0.54	0.27	0.25
Barium	mg/L	<0.010	0.011	0.016	0.010	<0.010	0.13	0.070	0.057
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.10	0.12	0.11	0.12	0.11	0.12	0.14	0.15
Cadmium	mg/L	0.022	0.025	0.023	0.025	0.024	0.023	0.033	0.037
Calcium	mg/L	4.1	4.1	4.2	3.4	4.2	6.3	6.1	5.6
Chromium	mg/L	<0.0050	0.0055	<0.0050	<0.0050	<0.0050	0.0068	0.0054	0.0052
Cobalt	mg/L	0.21	0.25	0.19	0.21	0.21	0.21	0.18	0.18
Copper	mg/L	7.8	7.5	8.1	7.7	7.8	7.6	4.9	5.8
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	2.3	2.6	2.6	2.5	2.8	3.8	3.9	4.0
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<0.50	<0.50
Manganese	mg/L	0.0086	0.067	0.018	0.019	0.017	0.071	0.053	0.041
Molybdenum	mg/L	0.14	0.18	0.14	0.14	0.14	0.15	0.17	0.16
Nickel	mg/L	0.011	0.015	0.014	0.020	0.018	0.020	0.022	0.028
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	16	18	15	16	14	15	14	13
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	690	710	780	720	740	710	800	790
Strontium	mg/L	0.36	0.40	0.28	0.28	0.30	0.27	0.32	0.30
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.15	0.17	0.14	0.16	0.17	0.16	0.16	0.17
Zinc	mg/L	7.4	8.6	7.3	7.6	7.4	7.9	8.7	9.2
Mercury	mg/L	0.0051	0.0055	0.0069	0.0075	0.0050	<0.0050	0.0074	0.0078
Antimony	mg/L	0.49	0.49	0.63	0.56	0.67	0.64	0.72	0.75
Arsenic	mg/L	5.8	5.7	7.5	6.9	8.6	8.1	8.8	10
Lead	mg/L	0.0073	<0.0025	<0.0050	<0.0050	<0.0050	0.14	0.067	0.051
Selenium	mg/L	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.051	<0.050
Thallium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Anions	meq/L	19.9	20.2	20.7	20.1	21.0	20.7	21.5	21.0
Cations	meq/L	31.2	32.2	35.2	32.5	33.4	32.4	36.1	35.7
Error	%	22	23	26	24	23	22	25	26

Table 6-40.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63313 (continued)

		KCA Sample No. 63519 T	KCA Sample No. 63519 U	KCA Sample No. 63519 V	KCA Sample No. 63519 W	KCA Sample No. 63519 X	KCA Sample No. 63519 Y	KCA Sample No. 63519 Z	KCA Sample No. 63519 AA
	WET Lab No.:	1205371	1205371	1205498	1205498	1206013	1206013	1206174	1206174
	Report Date:	4-Jun-12	4-Jun-12	5-Jun-12	5-Jun-12	6-Jun-12	6-Jun-12	20-Jun-12	20-Jun-12
Constituent	Unit								
pH	pH Units	10.34	10.30	10.31	10.39	--	--	10.30	10.25
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	83	<1.0	<1.0	<1.0	--	--	49	42
Carbonate (CO ₃)	mg/L	370	370	390	390	--	--	440	440
Hydroxide (OH)	mg/L	<1.0	23	9.5	27	--	--	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	680	680	670	730	--	--	760	770
Redox Potential	mV	55	54	--	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	3400	3700	--	--	--	--	--	--
Chloride	mg/L	40	42	40	39	40	40	41	40
Fluoride	mg/L	4.2	3.8	3.7	3.8	4.1	4.0	4.2	4.2
Sulfate	mg/L	310	310	350	350	290	290	290	280
Nitrate Nitrogen	mg/L	<1.0	<1.0	--	--	<1.0	<1.0	<1.0	<1.0
Nitrite Nitrogen	mg/L	0.75	0.69	--	--	0.91	0.88	1.0	0.83
Aluminum	mg/L	<0.20	0.060	<0.045	<0.045	0.11	0.094	0.28	0.21
Barium	mg/L	0.014	<0.010	0.011	<0.010	0.013	0.010	0.014	0.017
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.15	0.14	0.14	0.14	0.16	0.15	0.16	0.16
Cadmium	mg/L	0.039	0.038	0.037	0.036	0.041	0.043	0.039	0.038
Calcium	mg/L	4.5	4.0	4.3	4.3	3.6	4.1	4.4	4.4
Chromium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cobalt	mg/L	0.26	0.24	0.17	0.16	0.27	0.20	0.24	0.21
Copper	mg/L	7.0	7.1	4.2	5.7	7.7	6.3	7.5	6.2
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	4.6	4.5	3.6	4.4	5.5	4.9	6.0	5.9
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.025	0.024	0.0092	0.018	0.038	0.026	0.030	0.020
Molybdenum	mg/L	0.16	0.15	0.14	0.14	0.14	0.14	0.15	0.16
Nickel	mg/L	0.041	0.040	0.029	0.033	0.060	0.046	0.050	0.045
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	13	12	11	12	10	10	10	10
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	880	840	770	830	780	800	900	860
Strontium	mg/L	0.28	0.27	0.24	0.26	0.20	0.21	0.22	0.20
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.19	0.16	0.17	0.18	0.20	0.18	0.22	0.22
Zinc	mg/L	9.0	8.5	8.7	8.7	9.5	9.2	8.8	8.8
Mercury	mg/L	0.0061	0.0055	0.0049	0.0053	0.0078	0.0078	0.0070	0.0068
Antimony	mg/L	0.94	0.83	0.86	0.93	0.81	0.87	1.1	1.1
Arsenic	mg/L	13	9.9	12	13	12	12	14	14
Lead	mg/L	0.013	0.015	0.027	0.023	<0.020	<0.020	0.035	0.045
Selenium	mg/L	0.063	<0.050	<0.10	<0.10	<0.10	<0.10	0.11	<0.10
Thallium	mg/L	<0.0010	<0.0010	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Anions	meq/L	21.5	21.5	22.2	23.2	--	--	22.9	22.5
Cations	meq/L	39.6	37.8	34.6	37.3	--	--	40.5	38.7
Error	%	30	27	22	23	--	--	28	26

Table 6-41.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63313 (continued)

		KCA Sample No. 63519 BB	KCA Sample No. 63519 CC	KCA Sample No. 63519 DD	KCA Sample No. 63519 EE	KCA Sample No. 63519 Final Barren
	WET Lab No.:	1206371	1206371	1206562	1206562	1206607
	Report Date:	25-Jun-12	25-Jun-12	3-Jul-12	3-Jul-12	24-Jul-12
Constituent	Unit					
pH	pH Units	10.16	10.18	9.82	9.70	9.48
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	24	110	320	430	650
Carbonate (CO ₃)	mg/L	490	430	200	200	140
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	840	800	590	690	770
Redox Potential	mV	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	110
Total Nitrogen	mg/L	--	--	--	--	120
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	2200
Electrical Conductivity	µmhos/cm	--	--	--	--	--
Chloride	mg/L	40	40	39	42	42
Fluoride	mg/L	4.4	4.6	4.5	4.5	4.8
Sulfate	mg/L	280	280	270	290	290
Nitrate Nitrogen	mg/L	<1.00	<1.00	--	--	0.87
Nitrite Nitrogen	mg/L	0.78	0.88	--	--	--
Aluminum	mg/L	0.37	0.51	1.6	1.4	2.1
Barium	mg/L	0.020	0.019	0.024	0.022	0.10
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.19	0.19	0.18	0.16	0.11
Cadmium	mg/L	0.047	0.047	0.019	0.019	0.0097
Calcium	mg/L	5.9	5.5	7.2	7.2	240
Chromium	mg/L	<0.0050	<0.0050	0.0056	0.0052	0.0081
Cobalt	mg/L	0.25	0.25	0.31	0.33	0.25
Copper	mg/L	6.5	5.6	6.6	6.1	4.7
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	6.4	5.6	7.2	7.6	7.6
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	0.65
Manganese	mg/L	0.087	0.026	0.028	0.026	<0.0050
Molybdenum	mg/L	0.16	0.16	0.15	0.16	0.15
Nickel	mg/L	0.055	0.056	0.059	0.049	0.048
Phosphorus	mg/L	<0.50	<0.50	--	--	0.98
Potassium	mg/L	11	10	8.2	9.0	9.1
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	980	920	810	850	800
Strontium	mg/L	0.21	0.19	0.15	0.16	3.8
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.24	0.24	0.24	0.22	0.24
Zinc	mg/L	11	11	4.7	5.3	2.3
Mercury	mg/L	0.0048	0.0026	0.0045	0.0075	0.0041
Antimony	mg/L	1.1	1.0	1.3	1.3	1.4
Arsenic	mg/L	16	16	19	20	19
Lead	mg/L	0.053	0.062	0.14	0.14	0.32
Selenium	mg/L	<0.10	<0.10	0.10	0.11	0.052
Thallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.0010
Anions	meq/L	23.9	23.3	--	--	22.9
Cations	meq/L	44.1	41.4	--	--	47.9
Error	%	29.7	27.9	--	--	35
Cyanate	mg/L	--	--	--	--	160
Thiocyanate	mg/L	--	--	--	--	55
Ammonia, as Nitrogen	mg/L	--	--	--	--	78

Table 6-42.
Eagle Gold Project
KCA Test No. 63316
Summary of Sampled Solutions

KCA Test No.	KCA Sample No.	Combined Dates	Volume, per Day	Number of Days	Solution Type	WETLAB Job No.	Notes
63316	63520 A	31 Jan - 06 Feb	20 mLs	7	Preg	1204007	Active Cyanide Leach
63316	63520 B	12, 14, 16 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63316	63520 C	13, 15 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63316	63520 D	20, 22 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63316	63520 E	19, 21, 23 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63316	63520 F	26, 28, 30 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63316	63520 G	27, 29 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63316	63520 H	2,4, 6 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63316	63520 I	3,5 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63316	63520 J	10,12 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63316	63520 K	9, 11,13 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63316	63520 L	16, 18,20 April	50 mLs	3	Barren	1205098	Active Cyanide Leach
63316	63520 M	17, 19 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63316	63520 N	24, 26 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63316	63520 O	23, 25 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63316	63520 P	1,3 May	50 mLs	2	Barren	1205098	Active Cyanide Leach
63316	63520 Q	30 April, 2, 4 May	50 mLs	3	Barren	1205098	Active Cyanide Leach
63316	63520 R	7,9,11 May	50 mLs	3	Barren	1205246	Active Cyanide Leach
63316	63520 S	8,10 May	50 mLs	2	Barren	1205246	Active Cyanide Leach
63316	63520 T	15,17 May	50 mLs	2	Barren	1205371	Active Cyanide Leach
63316	63520 U	14,16,18 May	50 mLs	3	Barren	1205371	Active Cyanide Leach
63316	63520 V	21,23,25 May	50 mLs	3	Barren	1205498	Active Cyanide Leach
63316	63520 W	22,24 May	50 mLs	2	Barren	1205498	Active Cyanide Leach
63316	63520 X	30 May, 1 June	50 mLs	2	Barren	1206013	Active Cyanide Leach
63316	63520 Y	29,31 May	50 mLs	2	Barren	1206013	Active Cyanide Leach
63316	63520 Z	5,7 June	50 mLs	2	Barren	1206174	Active Cyanide Leach
63316	63520 AA	4,6,8 June	50 mLs	3	Barren	1206174	Active Cyanide Leach
63316	63520 BB	11,13,15 June	50 mLs	3	Barren	1206371	Active Cyanide Leach
63316	63520 CC	12,14 June	50 mLs	2	Barren	1206371	Active Cyanide Leach
63316	63520 DD	19,21 June	50 mLs	2	Barren	1206562	Active Cyanide Leach
63316	63520 EE	18,20,22 June	50 mLs	3	Barren	1206562	Active Cyanide Leach
63316	Final Barren	22 June	--	--	Barren	1206607	Combined barrens submitted for Profile II only. Start Peroxide detox on 19 July.

Note: Lost by environmental lab

Table 6-43.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63316

		KCA Sample No. 63520 A	KCA Sample No. 63520 B	KCA Sample No. 63520 C	KCA Sample No. 63520 D	KCA Sample No. 63520 E	KCA Sample No. 63520 F	KCA Sample No. 63520 G	KCA Sample No. 63520 H
	WET Lab No.:	1204007	1204007	1204007	1204007	1204007	1204007	1204007	1204257
	Report Date:	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-May-12
Constituent	Unit								
pH	pH Units	--	--	--	--	--	--	--	10.32
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	348
Bicarbonate (HCO ₃)	mg/L	--	--	--	--	--	--	--	<1.0
Carbonate (CO ₃)	mg/L	--	--	--	--	--	--	--	280
Hydroxide (OH)	mg/L	--	--	--	--	--	--	--	33
Total Alkalinity	mg/L as CaCO ₃	--	--	--	--	--	--	--	550
Redox Potential	mV	--	--	--	--	--	--	--	83
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	85
Total Nitrogen	mg/L	--	--	--	--	--	--	--	86
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	1400
Electrical Conductivity	µmhos/cm	--	--	--	--	--	--	--	2700
Chloride	mg/L	22	25	26	26	25	26	29	26
Fluoride	mg/L	1.2	2.2	2.1	2.6	2.5	2.7	2.7	2.9
Sulfate	mg/L	51	230	220	260	260	290	290	300
Nitrate Nitrogen	mg/L	0.41	0.48	0.49	0.51	0.50	0.54	0.51	0.24
Nitrite Nitrogen	mg/L	<0.25	0.36	0.40	0.42	0.43	0.46	0.45	0.51
Aluminum	mg/L	1.2	0.48	0.41	0.45	0.44	0.36	0.38	0.33
Barium	mg/L	0.032	<0.010	<0.010	<0.010	<0.010	0.010	<0.010	0.026
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cadmium	mg/L	0.057	0.020	0.014	0.019	0.017	0.018	0.017	0.026
Calcium	mg/L	12	12	19	8.8	7.2	8.8	8.1	6.3
Chromium	mg/L	0.019	0.0072	0.0074	0.0063	0.0060	0.0051	0.0052	<0.0050
Cobalt	mg/L	0.15	0.26	0.26	0.28	0.26	0.26	0.27	0.29
Copper	mg/L	8.2	7.3	6.9	7.6	7.2	7.4	6.6	6.7
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	0.12	1.4	1.3	1.8	1.7	2.0	2.0	2.4
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	0.82	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.010	<0.0050	0.030
Molybdenum	mg/L	0.18	0.18	0.18	0.19	0.18	0.17	0.18	0.18
Nickel	mg/L	0.56	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Phosphorus	mg/L	<0.50	<0.50	1.2	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	16	15	74	14	14	14	14	17
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	0.098	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	340	440	430	500	500	530	530	580
Strontium	mg/L	2.3	0.78	0.76	0.65	0.70	0.66	0.62	0.47
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	<0.010	0.13	0.12	0.16	0.14	0.14	0.14	0.15
Zinc	mg/L	10	7.3	6.5	7.7	6.9	7.2	6.6	8.4
Mercury	mg/L	0.0047	0.0034	0.0032	0.0040	0.0037	0.0042	0.0038	0.0088
Antimony	mg/L	0.023	0.22	0.21	0.29	0.27	0.31	0.31	0.36
Arsenic	mg/L	0.022	1.4	1.3	2.5	2.1	2.7	2.8	3.8
Lead	mg/L	<0.0025	0.0034	0.0064	0.019	0.0061	0.0030	0.0063	0.038
Selenium	mg/L	0.080	0.024	0.022	0.024	0.025	0.025	0.030	<0.10
Thallium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020
Uranium	mg/L	--	--	--	--	--	--	--	<0.0020
Anions	meq/L	--	--	--	--	--	--	--	18.4
Cations	meq/L	--	--	--	--	--	--	--	23.1
Error	%	--	--	--	--	--	--	--	11

Table 6-44.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63316 (continued)

		KCA Sample No. 63520 L	KCA Sample No. 63520 M	KCA Sample No. 63520 N	KCA Sample No. 63520 O	KCA Sample No. 63520 P	KCA Sample No. 63520 Q	KCA Sample No. 63520 R	KCA Sample No. 63520 S
	WET Lab No.:	1205098	1205098	1205098	1205098	1205098	1205098	1205246	1205246
	Report Date:	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	29-May-12	29-May-12
Constituent	Unit								
pH	pH Units	10.41	10.45	10.47	10.45	10.47	10.44	10.15	10.24
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbonate (CO ₃)	mg/L	270	270	280	280	310	250	360	190
Hydroxide (OH)	mg/L	39	69	63	20	41	37	30	39
Total Alkalinity	mg/L as CaCO ₃	560	640	660	530	630	560	690	750
Redox Potential	mV	70	67	62	60	56	65	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	3000	3300	3300	3100	3200	3400	--	--
Chloride	mg/L	29	29	29	29	29	30	27	27
Fluoride	mg/L	3.6	3.5	3.8	3.8	3.9	3.7	3.5	3.5
Sulfate	mg/L	350	350	350	340	330	340	290	300
Nitrate Nitrogen	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Nitrite Nitrogen	mg/L	0.59	0.63	0.75	0.68	0.69	0.75	0.65	0.74
Aluminum	mg/L	0.30	0.39	0.21	0.28	0.12	0.090	0.059	0.25
Barium	mg/L	0.012	0.040	0.013	0.029	0.015	0.011	<0.010	0.054
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.12	0.12	0.13	0.13	0.14	0.13	0.12	0.13
Cadmium	mg/L	0.025	0.025	0.030	0.028	0.027	0.025	0.029	0.034
Calcium	mg/L	6.2	7.7	7.0	5.8	6.1	5.4	3.6	4.4
Chromium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	0.0061
Cobalt	mg/L	0.23	0.18	0.19	0.20	0.19	0.22	0.18	0.17
Copper	mg/L	7.9	8.2	7.9	7.3	7.8	6.8	4.9	5.6
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	2.8	3.0	3.1	3.2	3.2	3.5	2.7	3.2
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.026	0.084	0.0082	0.023	0.018	0.013	0.023	0.041
Molybdenum	mg/L	0.17	0.16	0.16	0.15	0.15	0.16	0.14	0.15
Nickel	mg/L	0.023	0.019	0.027	0.032	0.025	0.018	0.022	0.028
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	14	15	15	14	14	13	13	14
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	660	750	760	720	760	740	740	810
Strontium	mg/L	0.50	0.56	0.45	0.40	0.35	0.33	0.24	0.25
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.15	0.14	0.14	0.15	0.16	0.15	0.17	0.18
Zinc	mg/L	8.4	8.3	8.5	8.4	8.3	8.3	7.6	8.9
Mercury	mg/L	<0.0050	<0.0050	0.0090	<0.0050	0.0067	0.0055	0.0061	0.0074
Antimony	mg/L	0.48	0.49	0.59	0.56	0.71	0.59	0.67	0.71
Arsenic	mg/L	6.2	6.0	7.4	7.5	10	8.1	7.7	8.2
Lead	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.021	0.048
Selenium	mg/L	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.050	<0.050
Thallium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Anions	meq/L	19.6	21.3	21.3	18.6	20.6	18.6	20.7	15.8
Cations	meq/L	30.1	34.1	34.5	32.7	34.4	33.5	33.2	36.5
Error	%	21	23	24	27	25	28	23	39

Table 6-45.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63316 (continued)

		KCA Sample No. 63520 T	KCA Sample No. 63520 U	KCA Sample No. 63520 V	KCA Sample No. 63520 W	KCA Sample No. 63520 X	KCA Sample No. 63520 Y	KCA Sample No. 63520 Z	KCA Sample No. 63520 AA
	WET Lab No.:	1205371	1205371	1205498	1205498	1206013	1206013	1206174	1206174
	Report Date:	4-Jun-12	4-Jun-12	5-Jun-12	5-Jun-12	6-Jun-12	6-Jun-12	20-Jun-12	20-Jun-12
Constituent	Unit								
pH	pH Units	10.34	10.28	10.34	10.41	--	--	10.37	10.26
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	<1.0	--	--	<1.0	<1.0
Carbonate (CO ₃)	mg/L	400	400	460	450	--	--	540	530
Hydroxide (OH)	mg/L	26	22	9.5	44	--	--	14	4.1
Total Alkalinity	mg/L as CaCO ₃	750	720	800	880	--	--	940	880
Redox Potential	mV	65	58	--	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	3800	4000	--	--	--	--	--	--
Chloride	mg/L	32	29	29	29	30	30	30	30
Fluoride	mg/L	4.1	3.8	3.5	3.5	3.9	3.9	4.0	3.9
Sulfate	mg/L	340	310	350	340	290	290	290	290
Nitrate Nitrogen	mg/L	<1.0	<1.0	--	--	<1.0	<1.0	<1.0	<1.0
Nitrite Nitrogen	mg/L	0.73	0.61	--	--	0.71	0.75	0.78	0.74
Aluminum	mg/L	0.15	0.11	0.12	0.17	0.25	0.21	0.48	0.43
Barium	mg/L	0.014	0.011	0.011	0.021	0.018	0.015	0.021	0.021
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.13	0.14	0.13	0.12	0.15	0.14	0.16	0.14
Cadmium	mg/L	0.034	0.042	0.039	0.034	0.041	0.042	0.041	0.033
Calcium	mg/L	3.7	3.9	3.4	3.3	3.0	3.4	4.2	4.1
Chromium	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cobalt	mg/L	0.25	0.26	0.15	0.14	0.27	0.19	0.22	0.16
Copper	mg/L	7.5	8.0	5.6	5.1	8.2	6.4	7.5	5.3
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	3.8	3.7	3.3	3.2	4.7	4.2	5.2	4.5
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.016	0.014	0.011	0.047	0.041	0.020	0.071	0.027
Molybdenum	mg/L	0.14	0.15	0.14	0.13	0.14	0.14	0.14	0.14
Nickel	mg/L	0.035	0.047	0.035	0.026	0.039	0.038	0.046	0.029
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	14	13	14	14	13	13	14	13
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	860	810	900	920	860	900	1000	960
Strontium	mg/L	0.25	0.24	0.22	0.23	0.18	0.18	0.19	0.18
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.19	0.18	0.19	0.18	0.21	0.20	0.23	0.22
Zinc	mg/L	8.3	9.6	8.8	8.0	9.6	9.2	9.1	8.1
Mercury	mg/L	0.0057	0.0078	0.0079	0.0087	0.012	0.0075	0.0078	0.0069
Antimony	mg/L	0.86	0.82	0.93	0.89	0.83	0.89	1.1	1.0
Arsenic	mg/L	9.9	9.3	11	11	11	11	13	12
Lead	mg/L	0.016	0.020	0.025	0.034	0.035	0.032	0.062	0.066
Selenium	mg/L	0.054	0.051	<0.10	<0.10	<0.10	<0.10	0.10	<0.10
Thallium	mg/L	<0.0010	<0.0010	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Anions	meq/L	23.1	22.1	24.2	25.7	--	--	25.9	25.0
Cations	meq/L	38.7	36.5	40.3	41.1	--	--	44.9	43.0
Error	%	25	25	25	23	--	--	27	26

Table 6-46.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63316 (continued)

		KCA Sample No. 63520 BB	KCA Sample No. 63520 CC	KCA Sample No. 63520 DD	KCA Sample No. 63520 EE	KCA Sample No. 63520 Final Barren
	WET Lab No.:	1206371	1206371	1206562	1206562	1206607
	Report Date:	25-Jun-12	25-Jun-12	3-Jul-12	3-Jul-12	24-Jul-12
Constituent	Unit					
pH	pH Units	10.14	10.12	9.85	9.78	9.51
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	180	170	440	530	690
Carbonate (CO ₃)	mg/L	470	490	230	230	190
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	930	950	740	810	890
Redox Potential	mV	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	140
Total Nitrogen	mg/L	--	--	--	--	140
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	2300
Electrical Conductivity	µmhos/cm	--	--	--	--	--
Chloride	mg/L	31	30	28	28	30
Fluoride	mg/L	4.2	4.1	4.0	4.1	4.4
Sulfate	mg/L	290	280	250	250	270
Nitrate Nitrogen	mg/L	<1.00	<1.00	--	--	0.76
Nitrite Nitrogen	mg/L	0.82	0.74	--	--	--
Aluminum	mg/L	0.62	0.67	1.5	1.8	2.0
Barium	mg/L	0.020	0.021	0.025	0.030	0.058
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.17	0.18	0.15	0.14	0.12
Cadmium	mg/L	0.040	0.044	0.012	0.0082	0.0055
Calcium	mg/L	4.9	4.7	6.4	7.2	58
Chromium	mg/L	0.0053	<0.0050	0.0051	0.0051	0.0067
Cobalt	mg/L	0.26	0.26	0.28	0.28	0.27
Copper	mg/L	6.6	7.3	5.1	4.5	3.9
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	5.9	6.1	5.8	6.0	7.0
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.026	0.043	0.027	0.032	0.032
Molybdenum	mg/L	0.15	0.15	0.13	0.13	0.14
Nickel	mg/L	0.043	0.053	0.040	0.036	0.035
Phosphorus	mg/L	<0.50	<0.50	--	--	0.70
Potassium	mg/L	14	14	11	11	12
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.050	<0.0050
Sodium	mg/L	1000	1000	780	810	840
Strontium	mg/L	0.17	0.17	0.14	0.16	0.92
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	0.10
Vanadium	mg/L	0.25	0.26	0.22	0.21	0.23
Zinc	mg/L	9.8	10	3.5	2.6	1.2
Mercury	mg/L	0.0036	0.0034	0.0084	0.0064	0.0041
Antimony	mg/L	1.1	1.1	1.2	1.2	1.4
Arsenic	mg/L	14	14	14	16	17
Lead	mg/L	0.080	0.084	0.15	0.17	0.26
Selenium	mg/L	<0.10	<0.10	0.097	0.093	0.041
Thallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.0010
Anions	meq/L	25.7	26.0	--	--	24.4
Cations	meq/L	45.0	45.0	--	--	40.5
Error	%	27.2	26.8	--	--	25
Cyanate	mg/L	--	--	--	--	220
Thiocyanate	mg/L	--	--	--	--	60
Ammonia, as Nitrogen	mg/L	--	--	--	--	28

Table 6-47.
Eagle Gold Project
KCA Test No. 63319
Summary of Sampled Solutions

KCA Test No.	KCA Sample No.	Combined Dates	Volume, per Day	Number of Days	Solution Type	WETLAB Job No.	Notes
63319	63521 A	31 Jan - 06 Feb	20 mLs	7	Preg	1204007	Active Cyanide Leach
63319	63521 B	12, 14, 16 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63319	63521 C	13, 15 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63319	63521 D	20, 22 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63319	63521 E	19, 21, 23 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63319	63521 F	26, 28, 30 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63319	63521 G	27, 29 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63319	63521 H	2,4, 6 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63319	63521 I	3,5 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63319	63521 J	10,12 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63319	63521 K	9, 11,13 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63319	63521 L	16, 18,20 April	50 mLs	3	Barren	1205098	Active Cyanide Leach
63319	63521 M	17, 19 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63319	63521 N	24, 26 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63319	63521 O	23, 25 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63319	63521 P	1,3 May	50 mLs	2	Barren	1205098	Active Cyanide Leach
63319	63521 Q	30 April, 2, 4 May	50 mLs	3	Barren	1205098	Active Cyanide Leach
63319	63521 R	7,9,11 May	50 mLs	3	Barren	1205246	Active Cyanide Leach
63319	63521 S	8,10 May	50 mLs	2	Barren	1205246	Active Cyanide Leach
63319	63521 T	15,17 May	50 mLs	2	Barren	1205371	Active Cyanide Leach
63319	63521 U	14,16,18 May	50 mLs	3	Barren	1205371	Active Cyanide Leach
63319	63521 V	21,23,25 May	50 mLs	3	Barren	1205498	Active Cyanide Leach
63319	63521 W	22,24 May	50 mLs	2	Barren	1205498	Active Cyanide Leach
63319	63521 X	30 May, 1 June	50 mLs	2	Barren	1206013	Active Cyanide Leach
63319	63521 Y	29,31 May	50 mLs	2	Barren	1206013	Active Cyanide Leach
63319	63521 Z	5,7 June	50 mLs	2	Barren	1206174	Active Cyanide Leach
63319	63521 AA	4,6,8 June	50 mLs	3	Barren	1206174	Active Cyanide Leach
63319	63521 BB	11,13,15 June	50 mLs	3	Barren	1206371	Active Cyanide Leach
63319	63521 CC	12,14 June	50 mLs	2	Barren	1206371	Active Cyanide Leach
63319	63521 DD	19,21 June	50 mLs	2	Barren	1206562	Active Cyanide Leach
63319	63521 EE	18,20,22 June	50 mLs	3	Barren	1206562	Active Cyanide Leach
63319	Final Barren	22 June	--	--	Barren	1206607	Combined barren submitted for Profile II only.

Note: Lost by environmental lab

Table 6-48.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63319

		KCA Sample No. 63521 A	KCA Sample No. 63521 B	KCA Sample No. 63521 C	KCA Sample No. 63521 D	KCA Sample No. 63521 E	KCA Sample No. 63521 F	KCA Sample No. 63521 G	KCA Sample No. 63521 H
	WET Lab No.:	1204007	1204007	1204007	1204007	1204007	1204007	1204007	1204257
	Report Date:	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-May-12
Constituent	Unit								
pH	pH Units	--	--	--	--	--	--	--	10.30
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	-434
Bicarbonate (HCO ₃)	mg/L	--	--	--	--	--	--	--	<1.0
Carbonate (CO ₃)	mg/L	--	--	--	--	--	--	--	290
Hydroxide (OH)	mg/L	--	--	--	--	--	--	--	40
Total Alkalinity	mg/L as CaCO ₃	--	--	--	--	--	--	--	590
Redox Potential	mV	--	--	--	--	--	--	--	85
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	60
Total Nitrogen	mg/L	--	--	--	--	--	--	--	63
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	1200
Electrical Conductivity	µmhos/cm	--	--	--	--	--	--	--	2300
Chloride	mg/L	24	25	25	22	22	22	22	33
Fluoride	mg/L	1.1	1.9	2.0	1.9	1.9	2.3	2.3	2.3
Sulfate	mg/L	30	130	130	160	150	180	180	210
Nitrate Nitrogen	mg/L	0.43	1.4	1.3	1.2	1.2	1.2	1.1	2.3
Nitrite Nitrogen	mg/L	<0.25	0.36	0.39	0.39	0.42	0.40	0.44	0.89
Aluminum	mg/L	0.57	0.23	0.23	0.20	0.19	0.16	0.16	0.18
Barium	mg/L	0.023	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cadmium	mg/L	0.038	0.0039	0.0011	0.0020	0.0028	0.0038	0.0033	0.0051
Calcium	mg/L	9.1	4.7	3.0	2.4	2.6	3.2	4.2	2.6
Chromium	mg/L	0.017	0.014	0.013	0.012	0.012	0.011	0.010	0.015
Cobalt	mg/L	0.17	0.16	0.16	0.16	0.16	0.17	0.15	0.17
Copper	mg/L	6.6	3.6	2.0	2.6	3.1	3.0	2.7	3.6
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	0.042	0.64	0.67	0.82	0.83	1.1	1.0	1.4
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	0.56	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	<0.0050	0.027	<0.0050	0.022	0.063	0.021	0.018	0.035
Molybdenum	mg/L	0.16	0.11	0.11	0.10	0.10	0.10	0.097	0.10
Nickel	mg/L	0.47	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.15
Phosphorus	mg/L	<0.50	<0.50	1.1	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	11	10	55	7.3	7.8	7.3	7.0	8.5
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	0.17	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	300	340	310	360	380	390	410	420
Strontium	mg/L	2.5	0.50	0.27	0.40	0.43	0.42	0.33	0.25
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	<0.010	0.12	0.14	0.14	0.13	0.15	0.15	0.14
Zinc	mg/L	7.9	2.2	1.1	1.4	1.8	2.0	1.8	5.0
Mercury	mg/L	0.0035	0.0022	0.0019	0.0022	0.0024	0.0027	0.0026	0.0056
Antimony	mg/L	0.0087	0.075	0.087	0.12	0.16	0.17	0.17	0.18
Arsenic	mg/L	0.014	0.90	1.3	1.6	1.5	2.5	2.8	3.1
Lead	mg/L	<0.0025	0.0049	0.016	0.0075	0.0055	0.0043	0.0064	0.016
Selenium	mg/L	0.083	0.019	0.019	0.015	<0.025	<0.025	<0.025	<0.10
Thallium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020
Uranium	mg/L	--	--	--	--	--	--	--	<0.0020
Anions	meq/L	--	--	--	--	--	--	--	17.6
Cations	meq/L	--	--	--	--	--	--	--	14.6
Error	%	--	--	--	--	--	--	--	9.5

Table 6-49.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63319 (continued)

		KCA Sample No. 63521 L	KCA Sample No. 63521 M	KCA Sample No. 63521 N	KCA Sample No. 63521 O	KCA Sample No. 63521 P	KCA Sample No. 63521 Q	KCA Sample No. 63521 R	KCA Sample No. 63521 S
	WET Lab No.:	1205098	1205098	1205098	1205098	1205098	1205098	1205246	1205246
	Report Date:	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	29-May-12	29-May-12
Constituent	Unit								
pH	pH Units	10.35	10.45	10.54	10.58	10.58	10.65	10.40	10.37
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbonate (CO ₃)	mg/L	260	240	280	240	280	310	310	360
Hydroxide (OH)	mg/L	53	69	76	84	65	57	61	20
Total Alkalinity	mg/L as CaCO ₃	590	600	690	640	660	690	700	660
Redox Potential	mV	70	67	70	72	110	84	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	2600	2600	2600	2700	2500	2800	--	--
Chloride	mg/L	32	30	30	31	31	31	32	270
Fluoride	mg/L	2.7	2.8	2.9	2.7	3.0	3.1	3.1	2.9
Sulfate	mg/L	270	260	250	260	260	260	260	280
Nitrate Nitrogen	mg/L	2.3	2.2	1.9	2.0	1.9	1.9	2.2	3.1
Nitrite Nitrogen	mg/L	0.92	0.87	0.81	0.82	0.85	0.83	0.97	2.2
Aluminum	mg/L	0.16	0.11	0.074	0.080	0.068	<0.045	0.25	0.057
Barium	mg/L	0.015	<0.010	<0.010	<0.010	<0.010	<0.010	0.063	0.012
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	0.20
Cadmium	mg/L	0.0094	0.0085	0.0099	0.0095	0.0095	0.0098	0.013	0.016
Calcium	mg/L	1.9	1.7	1.9	2.2	3.1	2.1	4.0	4.3
Chromium	mg/L	0.010	0.0094	0.0094	0.0083	0.0082	0.0082	0.010	0.012
Cobalt	mg/L	0.17	0.16	0.16	0.15	0.14	0.14	0.14	0.11
Copper	mg/L	5.1	4.1	4.2	4.3	4.2	4.4	3.9	4.4
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	2.0	1.8	2.0	2.0	2.2	2.1	2.8	3.1
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Manganese	mg/L	0.094	0.092	0.18	0.16	0.32	0.17	0.30	0.17
Molybdenum	mg/L	0.10	0.094	0.092	0.087	0.084	0.084	0.084	0.099
Nickel	mg/L	0.020	0.019	0.022	0.019	0.048	0.029	0.064	2.0
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	9.3	8.9	10	9.2	9.0	8.8	8.6	12
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	510	490	570	520	530	540	510	760
Strontium	mg/L	0.24	0.25	0.25	0.23	0.19	0.18	0.16	0.24
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.14	0.14	0.16	0.13	0.14	0.15	0.15	0.14
Zinc	mg/L	5.4	4.9	5.2	5.0	4.9	5.0	5.7	8.7
Mercury	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0051	0.0050
Antimony	mg/L	0.32	0.28	0.32	0.30	0.34	0.38	0.39	0.40
Arsenic	mg/L	5.5	5.2	6.1	5.7	6.7	7.6	6.7	6.1
Lead	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.051	0.013
Selenium	mg/L	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.050	<0.050
Thallium	mg/L	<0.0010	<0.0010	<0.050	<0.050	<0.050	<0.050	<0.0010	<0.0010
Anions	meq/L	18.6	18.6	20.1	19.5	19.7	20.3	20.6	27.0
Cations	meq/L	23.0	22.0	25.6	23.4	23.9	24.2	23.1	34.2
Error	%	10	8.4	12	9.0	9.5	8.9	5.8	12

Table 6-50.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63319 (continued)

		KCA Sample No. 63521 T	KCA Sample No. 63521 U	KCA Sample No. 63521 V	KCA Sample No. 63521 W	KCA Sample No. 63521 X	KCA Sample No. 63521 Y	KCA Sample No. 63521 Z	KCA Sample No. 63521 AA
	WET Lab No.:	1205371	1205371	1205498	1205498	1206013	1206013	1206174	1206174
	Report Date:	4-Jun-12	4-Jun-12	5-Jun-12	5-Jun-12	6-Jun-12	6-Jun-12	20-Jun-12	20-Jun-12
Constituent	Unit								
pH	pH Units	10.47	10.41	10.46	10.48	--	--	10.49	10.41
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	<1.0	--	--	<1.0	<1.0
Carbonate (CO ₃)	mg/L	340	350	380	350	--	--	450	390
Hydroxide (OH)	mg/L	33	14	50	53	--	--	43	56
Total Alkalinity	mg/L as CaCO ₃	660	620	780	740	--	--	870	820
Redox Potential	mV	78	84	--	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	3000	2900	--	--	--	--	--	--
Chloride	mg/L	40	38	36	36	41	100	67	63
Fluoride	mg/L	3.3	3.5	3.0	3.0	3.3	3.2	3.1	3.0
Sulfate	mg/L	300	290	320	320	260	260	240	230
Nitrate Nitrogen	mg/L	3.9	3.6	--	--	3.0	2.8	2.9	2.7
Nitrite Nitrogen	mg/L	1.4	1.3	--	--	1.3	1.2	1.3	1.2
Aluminum	mg/L	<0.20	0.14	0.068	0.060	0.079	0.050	0.16	0.11
Barium	mg/L	<0.010	0.028	0.013	0.011	<0.010	<0.010	0.025	0.015
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.10	0.11	<0.10	0.10	0.12	0.11	0.13	0.12
Cadmium	mg/L	0.017	0.018	0.015	0.016	0.018	0.017	0.017	0.018
Calcium	mg/L	14	4.5	3.7	4.6	3.7	5.8	7.4	4.0
Chromium	mg/L	0.010	0.0094	0.0073	0.0082	0.0083	0.0072	0.0094	0.0074
Cobalt	mg/L	0.16	0.14	0.12	0.14	0.15	0.12	0.12	0.11
Copper	mg/L	4.7	4.8	4.4	3.6	4.8	5.6	5.1	5.0
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	3.2	3.4	3.0	2.6	3.0	3.0	3.3	3.0
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	<0.50	<0.50
Manganese	mg/L	0.22	0.21	0.35	0.38	0.34	0.39	0.30	0.31
Molybdenum	mg/L	0.10	0.097	0.083	0.089	0.085	0.080	0.079	0.078
Nickel	mg/L	0.27	0.28	0.14	0.14	0.16	0.15	0.21	0.19
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	9.0	8.7	8.6	8.6	7.8	9.4	8.4	8.0
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	580	560	670	680	580	710	720	690
Strontium	mg/L	0.39	0.18	0.20	0.21	0.17	0.20	0.22	0.15
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.16	0.16	0.15	0.15	0.17	0.16	0.18	0.17
Zinc	mg/L	7.3	7.4	6.2	6.6	6.9	6.6	6.6	6.5
Mercury	mg/L	0.0046	0.0043	0.0063	0.0045	0.0048	0.0038	0.0041	0.0030
Antimony	mg/L	0.53	0.55	0.52	0.55	0.47	0.49	0.54	0.52
Arsenic	mg/L	9.0	9.8	9.6	9.7	8.8	9.0	9.3	9.0
Lead	mg/L	0.010	0.029	0.028	<0.020	<0.020	0.010	0.046	0.030
Selenium	mg/L	<0.050	<0.050	<0.10	<0.10	<0.10	<0.050	<0.10	<0.050
Thallium	mg/L	<0.0010	<0.0010	<0.020	<0.020	<0.020	<0.010	<0.020	<0.010
Anions	meq/L	21.1	20.0	23.4	22.6	--	--	24.8	23.2
Cations	meq/L	26.7	25.4	30.1	30.5	--	--	32.5	31.0
Error	%	12	12	12	15	--	--	13	14

Table 6-51.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63319 (continued)

		KCA Sample No. 63521 BB	KCA Sample No. 63521 CC	KCA Sample No. 63521 DD	KCA Sample No. 63521 EE	KCA Sample No. 63521 Final Barren
	WET Lab No.:	1206371	1206371	1206562	1206562	1206607
	Report Date:	25-Jun-12	25-Jun-12	3-Jul-12	3-Jul-12	24-Jul-12
Constituent	Unit					
pH	pH Units	10.28	10.27	10.05	9.92	9.91
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	39	7.3	240	310	320
Carbonate (CO ₃)	mg/L	410	430	270	220	220
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	720	730	650	630	620
Redox Potential	mV	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	70
Total Nitrogen	mg/L	--	--	--	--	180
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	1300
Electrical Conductivity	µmhos/cm	--	--	--	--	--
Chloride	mg/L	60	59	53	55	55
Fluoride	mg/L	3.0	3.0	2.8	3.0	3.1
Sulfate	mg/L	210	210	190	200	340
Nitrate Nitrogen	mg/L	2.4	2.4	--	--	--
Nitrite Nitrogen	mg/L	1.1	1.1	--	--	3.3
Aluminum	mg/L	0.18	0.20	0.59	0.85	0.94
Barium	mg/L	0.011	<0.010	0.012	0.032	0.059
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.15	0.14	0.12	0.12	<0.10
Cadmium	mg/L	0.021	0.019	0.011	0.012	0.0099
Calcium	mg/L	3.6	3.3	4.0	4.7	120
Chromium	mg/L	0.0080	0.0080	0.0074	0.0078	0.011
Cobalt	mg/L	0.14	0.13	0.13	0.14	0.13
Copper	mg/L	4.1	4.3	3.6	3.7	3.0
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	2.8	2.9	2.8	3.3	3.4
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	0.57
Manganese	mg/L	0.15	0.13	0.022	0.037	0.027
Molybdenum	mg/L	0.080	0.076	0.062	0.066	0.058
Nickel	mg/L	0.20	0.18	0.18	0.16	0.14
Phosphorus	mg/L	<0.50	<0.50	--	--	0.62
Potassium	mg/L	7.4	7.3	5.8	5.7	6.0
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	690	660	520	530	490
Strontium	mg/L	0.13	0.12	0.10	0.11	2.1
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.22	0.21	0.18	0.20	0.19
Zinc	mg/L	7.4	6.8	4.3	4.8	3.7
Mercury	mg/L	<0.0020	0.0016	0.0047	0.0043	0.0026
Antimony	mg/L	0.54	0.51	0.56	0.59	0.62
Arsenic	mg/L	10	9.9	10	11	12
Lead	mg/L	0.038	0.037	0.071	0.11	0.17
Selenium	mg/L	<0.10	<0.050	0.082	0.078	0.031
Thallium	mg/L	<0.020	<0.010	<0.020	<0.020	<0.0010
Anions	meq/L	20.7	20.8	--	--	22.1
Cations	meq/L	30.9	29.6	--	--	28.0
Error	%	19.8	17.4	--	--	12
Cyanate	mg/L	--	--	--	--	120
Thiocyanate	mg/L	--	--	--	--	37
Ammonia, as Nitrogen	mg/L	--	--	--	--	60

Table 6-52.
Eagle Gold Project
KCA Test No. 63322
Summary of Sampled Solutions

KCA Test No.	KCA Sample No.	Combined Dates	Volume, per Day	Number of Days	Solution Type	WETLAB Job No.	Notes
63322	63522 A	31 Jan - 06 Feb	20 mLs	7	Preg	1204007	Active Cyanide Leach
63322	63522 B	12, 14, 16 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63322	63522 C	13, 15 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63322	63522 D	20, 22 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63322	63522 E	19, 21, 23 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63322	63522 F	26, 28, 30 Mar	50 mLs	3	Barren	1204007	Active Cyanide Leach
63322	63522 G	27, 29 Mar	50 mLs	2	Barren	1204007	Active Cyanide Leach
63322	63522 H	2,4, 6 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63322	63522 I	3,5 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63322	63522 J	10,12 April	50 mLs	2	Barren	1204257	Active Cyanide Leach
63322	63522 K	9, 11,13 April	50 mLs	3	Barren	1204257	Active Cyanide Leach
63322	63522 L	16, 18,20 April	50 mLs	3	Barren	1205098	Active Cyanide Leach
63322	63522 M	17, 19 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63322	63522 N	24, 26 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63322	63522 O	23, 25 April	50 mLs	2	Barren	1205098	Active Cyanide Leach
63322	63522 P	1,3 May	50 mLs	2	Barren	1205098	Active Cyanide Leach
63322	63522 Q	30 April, 2, 4 May	50 mLs	3	Barren	1205098	Active Cyanide Leach
63322	63522 R	7,9,11 May	50 mLs	3	Barren	1205246	Active Cyanide Leach
63322	63522 S	8,10 May	50 mLs	2	Barren	1205246	Active Cyanide Leach
63322	63522 T	15,17 May	50 mLs	2	Barren	1205371	Active Cyanide Leach
63322	63522 U	14,16,18 May	50 mLs	3	Barren	1205371	Active Cyanide Leach
63322	63522 V	21,23,25 May	50 mLs	3	Barren	1205498	Active Cyanide Leach
63322	63522 W	22,24 May	50 mLs	2	Barren	1205498	Active Cyanide Leach
63322	63522 X	30 May, 1 June	50 mLs	2	Barren	1206013	Active Cyanide Leach
63322	63522 Y	29,31 May	50 mLs	2	Barren	1206013	Active Cyanide Leach
63322	63522 Z	5,7 June	50 mLs	2	Barren	1206174	Active Cyanide Leach
63322	63522 AA	4,6,8 June	50 mLs	3	Barren	1206174	Active Cyanide Leach
63322	63522 BB	11,13,15 June	50 mLs	3	Barren	1206371	Active Cyanide Leach
63322	63522 CC	12,14 June	50 mLs	2	Barren	1206371	Active Cyanide Leach
63322	63522 DD	19,21 June	50 mLs	2	Barren	1206562	Active Cyanide Leach
63322	63522 EE	18,20,22 June	50 mLs	3	Barren	1206562	Active Cyanide Leach
63322	Final Barren	22 June	--	--	Barren	1206607	Combined barrens submitted for Profile II only. Start Peroxide detox on 19 July.

Note: Lost by environmental lab

Table 6-53.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63322

		KCA Sample No. 63522 A	KCA Sample No. 63522 B	KCA Sample No. 63522 C	KCA Sample No. 63522 D	KCA Sample No. 63522 E	KCA Sample No. 63522 F	KCA Sample No. 63522 G	KCA Sample No. 63522 I
	WET Lab No.:	1204007	1204007	1204007	1204007	1204007	1204007	1204007	1204257
	Report Date:	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-Aug-12	4-May-12
Constituent	Unit								
pH	pH Units	--	--	--	--	--	--	--	10.12
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	-404
Bicarbonate (HCO ₃)	mg/L	--	--	--	--	--	--	--	<1.0
Carbonate (CO ₃)	mg/L	--	--	--	--	--	--	--	280
Hydroxide (OH)	mg/L	--	--	--	--	--	--	--	25
Total Alkalinity	mg/L as CaCO ₃	--	--	--	--	--	--	--	540
Redox Potential	mV	--	--	--	--	--	--	--	78
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	42
Total Nitrogen	mg/L	--	--	--	--	--	--	--	43
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	1700
Electrical Conductivity	µmhos/cm	--	--	--	--	--	--	--	4000
Chloride	mg/L	25	38	36	37	31	25	28	280
Fluoride	mg/L	1.1	2.1	1.6	2.3	2.0	2.0	2.1	2.3
Sulfate	mg/L	32	160	150	180	140	140	160	180
Nitrate Nitrogen	mg/L	0.48	0.52	0.50	0.52	0.49	0.45	0.48	0.30
Nitrite Nitrogen	mg/L	0.26	1.7	0.96	1.5	1.3	0.96	1.1	1.3
Aluminum	mg/L	0.60	0.27	0.20	0.21	0.20	0.19	0.24	0.44
Barium	mg/L	0.018	<0.010	<0.010	<0.010	<0.010	<0.010	0.012	0.050
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.84
Cadmium	mg/L	0.034	0.0062	0.0017	0.0041	0.0035	0.0048	0.0058	0.0061
Calcium	mg/L	7.1	1.6	5.1	2.2	1.7	2.1	4.1	36
Chromium	mg/L	0.020	0.022	0.020	0.018	0.014	0.010	0.012	0.012
Cobalt	mg/L	0.18	0.24	0.21	0.22	0.17	0.13	0.15	0.093
Copper	mg/L	6.6	5.4	3.9	4.1	4.5	3.5	3.5	2.8
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	0.024	0.77	0.70	1.1	0.95	1.2	1.4	1.7
Lithium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	1.6
Magnesium	mg/L	<0.50	<0.50	0.63	<0.50	<0.50	<0.50	<0.50	170
Manganese	mg/L	<0.0050	0.0085	0.045	0.0072	0.15	0.21	0.047	0.11
Molybdenum	mg/L	0.16	0.17	0.16	0.16	0.12	0.090	0.10	0.092
Nickel	mg/L	0.44	0.011	<0.010	<0.010	<0.010	<0.010	<0.010	0.015
Phosphorus	mg/L	<0.50	<0.50	0.66	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	11	9.6	34	7.5	8.3	8.6	7.9	9.8
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	0.18	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	290	420	390	480	480	460	420	440
Strontium	mg/L	1.8	0.30	0.47	0.35	0.41	0.39	0.31	0.80
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	<0.010	0.13	0.12	0.15	0.12	0.12	0.13	0.19
Zinc	mg/L	7.2	5.0	2.5	3.8	3.2	3.2	3.9	3.3
Mercury	mg/L	0.0033	0.0032	0.0032	0.0033	0.0026	0.0026	0.0027	0.0061
Antimony	mg/L	0.0070	0.093	0.080	0.13	0.12	0.14	0.15	0.19
Arsenic	mg/L	0.0086	1.5	1.1	2.2	1.7	2.0	2.6	3.6
Lead	mg/L	<0.0025	0.0032	0.0063	0.0061	0.0099	0.0054	0.013	0.088
Selenium	mg/L	0.063	<0.025	<0.025	<0.025	<0.025	0.010	0.015	<0.10
Thallium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020
Uranium	mg/L	--	--	--	--	--	--	--	<0.0020
Anions	meq/L	--	--	--	--	--	--	--	22.6
Cations	meq/L	--	--	--	--	--	--	--	35.5
Error	%	--	--	--	--	--	--	--	22

Table 6-54.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63322 (continued)

		KCA Sample No. 63522 L	KCA Sample No. 63522 M	KCA Sample No. 63522 N	KCA Sample No. 63522 O	KCA Sample No. 63522 P	KCA Sample No. 63522 Q	KCA Sample No. 63522 R	KCA Sample No. 63522 S
	WET Lab No.:	1205098	1205098	1205098	1205098	1205098	1205098	1205246	1205246
	Report Date:	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	25-May-12	29-May-12	29-May-12
Constituent	Unit								
pH	pH Units	10.22	10.27	10.41	10.39	10.59	10.54	10.38	10.44
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbonate (CO ₃)	mg/L	190	160	200	220	240	250	130	250
Hydroxide (OH)	mg/L	23	44	48	34	61	31	54	64
Total Alkalinity	mg/L as CaCO ₃	390	390	470	470	570	500	590	600
Redox Potential	mV	75	64	76	79	84	99	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	3800	3800	3900	3900	4100	4200	--	--
Chloride	mg/L	590	600	550	560	530	550	270	480
Fluoride	mg/L	1.8	1.8	2.0	2.0	2.2	2.2	2.7	2.4
Sulfate	mg/L	220	220	240	240	250	260	270	240
Nitrate Nitrogen	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	<1.0
Nitrite Nitrogen	mg/L	1.9	1.4	2.4	2.7	2.6	2.6	2.0	2.3
Aluminum	mg/L	<0.045	0.083	0.080	<0.045	0.14	0.36	<0.045	<0.045
Barium	mg/L	0.014	0.021	0.024	0.010	0.026	0.090	<0.010	0.013
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.21	0.21	0.22	0.22	0.21	0.22	0.17	0.25
Cadmium	mg/L	0.0070	0.0077	0.0096	0.0098	0.011	0.011	0.015	0.015
Calcium	mg/L	5.4	5.8	7.6	5.8	50	10	5.0	5.6
Chromium	mg/L	0.0078	0.0065	0.0068	0.0075	0.0070	0.0085	0.0088	0.0067
Cobalt	mg/L	0.12	0.12	0.12	0.11	0.10	0.12	0.13	0.12
Copper	mg/L	3.5	3.6	4.3	3.5	3.8	4.4	4.1	3.8
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	2.0	2.0	2.4	2.0	2.7	3.7	2.9	3.0
Lithium	mg/L	0.29	0.29	0.24	0.24	0.19	0.19	<0.10	0.14
Magnesium	mg/L	0.83	0.74	0.69	0.81	1.0	0.72	<0.50	<0.50
Manganese	mg/L	0.047	0.054	0.20	0.11	0.27	0.22	0.16	0.14
Molybdenum	mg/L	0.081	0.081	0.084	0.088	0.080	0.085	0.092	0.084
Nickel	mg/L	0.18	0.016	0.049	0.094	0.041	0.040	0.22	0.047
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	14	15	16	16	16	16	11	13
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	750	790	870	810	890	840	700	780
Strontium	mg/L	0.52	0.66	0.60	0.50	1.3	0.52	0.27	0.33
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.069	0.066	0.072	0.077	0.086	0.082	0.13	0.10
Zinc	mg/L	5.0	4.0	7.6	8.1	7.4	7.5	7.4	8.3
Mercury	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0051	0.0052
Antimony	mg/L	0.21	0.21	0.26	0.23	0.27	0.27	0.38	0.33
Arsenic	mg/L	2.7	2.6	3.3	3.1	4.2	3.8	6.0	4.4
Lead	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	0.091	0.011	0.0060
Selenium	mg/L	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.050	<0.050
Thallium	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.0010	<0.0010
Anions	meq/L	29.0	29.5	30.1	30.2	31.9	31.2	21.0	30.8
Cations	meq/L	33.7	35.5	39.2	36.5	42.2	38.1	31.5	35.1
Error	%	7.5	9.1	13	9.4	14	10	20	6.5

Table 6-55.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63322 (continued)

Constituent	Unit	KCA Sample No. 63522 T	KCA Sample No. 63522 U	KCA Sample No. 63522 V	KCA Sample No. 63522 W	KCA Sample No. 63522 X	KCA Sample No. 63522 Y	KCA Sample No. 63522 Z	KCA Sample No. 63522 AA
	WET Lab No.:	1205371	1205371	1205498	1205498	1206013	1206013	1206174	1206174
	Report Date:	4-Jun-12	4-Jun-12	5-Jun-12	5-Jun-12	6-Jun-12	6-Jun-12	20-Jun-12	20-Jun-12
Constituent	Unit								
pH	pH Units	10.42	10.53	10.52	10.49	--	--	10.53	10.42
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	<1.0	<1.0	<1.0	<1.0	--	--	<1.0	<1.0
Carbonate (CO ₃)	mg/L	310	320	260	330	--	--	410	400
Hydroxide (OH)	mg/L	27	33	60	46	--	--	36	26
Total Alkalinity	mg/L as CaCO ₃	590	630	610	680	--	--	790	740
Redox Potential	mV	76	87	--	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	--	--	--
Electrical Conductivity	µmhos/cm	3900	4100	--	--	--	--	--	--
Chloride	mg/L	450	450	490	490	450	440	400	380
Fluoride	mg/L	2.5	2.4	2.4	2.3	2.8	2.7	2.6	2.6
Sulfate	mg/L	240	230	270	270	250	250	230	220
Nitrate Nitrogen	mg/L	<1.0	<1.0	--	--	<1.0	<1.0	<1.0	<1.0
Nitrite Nitrogen	mg/L	2.2	2.3	--	--	2.6	2.5	2.3	2.2
Aluminum	mg/L	0.18	<0.20	<0.045	<0.045	<0.045	<0.45	0.18	0.072
Barium	mg/L	0.035	<0.010	0.013	0.010	<0.010	0.011	0.023	0.013
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.25	0.25	0.26	0.26	0.31	0.28	0.30	0.33
Cadmium	mg/L	0.016	0.016	0.016	0.016	0.020	0.019	0.019	0.019
Calcium	mg/L	38	4.8	4.1	4.6	3.1	4.6	38	4.3
Chromium	mg/L	0.0072	0.0057	0.0056	0.0061	0.0072	0.0051	0.0071	0.0062
Cobalt	mg/L	0.12	0.12	0.12	0.13	0.15	0.13	0.11	0.12
Copper	mg/L	3.6	3.8	3.7	4.3	4.6	4.3	3.8	4.2
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	3.4	3.2	3.4	3.7	3.8	4.1	3.8	4.0
Lithium	mg/L	0.13	0.13	0.10	0.11	0.10	0.11	<0.10	<0.10
Magnesium	mg/L	0.84	<0.50	<0.50	<0.50	<0.50	<0.50	0.82	<0.50
Manganese	mg/L	0.22	0.17	0.091	0.18	0.16	0.12	0.22	0.12
Molybdenum	mg/L	0.079	0.078	0.077	0.080	0.088	0.077	0.074	0.078
Nickel	mg/L	0.048	0.046	0.045	0.042	0.049	0.051	0.063	0.062
Phosphorus	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Potassium	mg/L	12	12	11	12	11	11	10	9.9
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	830	840	820	890	840	880	920	850
Strontium	mg/L	0.83	0.26	0.23	0.27	0.21	0.21	0.76	0.20
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.12	0.10	0.12	0.12	0.14	0.13	0.15	0.16
Zinc	mg/L	8.4	8.4	8.3	8.4	10	9.1	8.8	8.8
Mercury	mg/L	0.0047	0.0042	0.0052	0.0059	0.0046	0.0038	0.0045	0.0033
Antimony	mg/L	0.39	0.38	0.41	0.43	0.42	0.44	0.50	0.48
Arsenic	mg/L	5.9	5.4	6.4	6.4	6.7	7.3	7.9	7.6
Lead	mg/L	0.032	0.019	0.013	0.011	<0.020	0.016	0.037	0.023
Selenium	mg/L	<0.050	<0.050	<0.050	<0.050	<0.10	<0.050	<0.10	<0.050
Thallium	mg/L	<0.0010	<0.0010	<0.010	<0.010	<0.020	<0.010	<0.020	<0.010
Anions	meq/L	29.7	30.2	31.8	33.3	--	--	32.0	30.3
Cations	meq/L	39.0	37.6	36.7	39.8	--	--	42.9	38.1
Error	%	13	11	7.2	9.0	--	--	15	11

Table 6-56.
Eagle Gold Project
Profile II Analyses - KCA Test No. 63322 (continued)

Constituent	Unit	KCA Sample No. 63522 BB	KCA Sample No. 63522 CC	KCA Sample No. 63522 DD	KCA Sample No. 63522 EE	KCA Sample No. 63522 Final Barren
	WET Lab No.:	1206371	1206371	1206562	1206562	1206607
	Report Date:	25-Jun-12	25-Jun-12	3-Jul-12	3-Jul-12	24-Jul-12
Constituent	Unit					
pH	pH Units	10.28	10.19	9.95	9.88	9.81
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	170	210	290	330	330
Carbonate (CO ₃)	mg/L	390	350	180	190	180
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	780	750	530	590	560
Redox Potential	mV	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	78
Total Nitrogen	mg/L	--	--	--	--	81
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	2000
Electrical Conductivity	µmhos/cm	--	--	--	--	--
Chloride	mg/L	400	430	390	390	390
Fluoride	mg/L	2.7	2.9	2.7	2.6	2.8
Sulfate	mg/L	240	250	240	230	260
Nitrate Nitrogen	mg/L	<1.00	<1.00	--	--	2.6
Nitrite Nitrogen	mg/L	2.9	3.4	--	--	--
Aluminum	mg/L	0.065	0.086	0.33	0.24	0.71
Barium	mg/L	<0.010	<0.010	0.011	<0.010	0.047
Beryllium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Boron	mg/L	0.36	0.36	0.32	0.31	0.24
Cadmium	mg/L	0.021	0.021	0.0064	0.0048	0.0082
Calcium	mg/L	4.1	5.5	5.3	4.4	100
Chromium	mg/L	0.0079	0.0097	0.0087	0.0086	0.0095
Cobalt	mg/L	0.14	0.15	0.16	0.16	0.13
Copper	mg/L	4.4	3.7	3.5	3.3	2.2
Gallium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Iron	mg/L	4.3	4.6	4.3	4.3	4.7
Lithium	mg/L	<0.10	0.10	<0.10	<0.10	<0.10
Magnesium	mg/L	<0.50	<0.50	<0.50	<0.50	1.7
Manganese	mg/L	0.054	0.050	0.020	0.018	0.23
Molybdenum	mg/L	0.082	0.099	0.083	0.086	0.080
Nickel	mg/L	0.10	0.12	0.076	0.074	0.056
Phosphorus	mg/L	<0.50	<0.50	--	--	0.57
Potassium	mg/L	10	11	8.3	8.2	8.6
Scandium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium	mg/L	940	1000	770	760	750
Strontium	mg/L	0.15	0.20	0.15	0.14	1.8
Tin	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Titanium	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Vanadium	mg/L	0.18	0.20	0.17	0.17	0.16
Zinc	mg/L	12	13	7.5	7.0	4.5
Mercury	mg/L	0.0020	0.0022	0.0081	0.0032	0.0032
Antimony	mg/L	0.51	0.55	0.57	0.58	0.63
Arsenic	mg/L	9.5	9.8	10	10	11
Lead	mg/L	0.030	0.030	0.049	0.050	0.082
Selenium	mg/L	<0.050	<0.050	0.061	0.059	0.023
Thallium	mg/L	<0.010	<0.010	<0.010	<0.010	<0.0010
Anions	meq/L	32.2	32.6	--	--	28.2
Cations	meq/L	42.1	44.8	--	--	38.5
Error	%	13.3	15.8	--	--	16
Cyanate	mg/L	--	--	--	--	160
Thiocyanate	mg/L	--	--	--	--	42
Ammonia, as Nitrogen	mg/L	--	--	--	--	74

6.4 Detoxification Test Work

Two (2) types of detoxification test work were conducted on the tailings material from the column leach tests: bacterial detox and hydrogen peroxide detox.

Bacterial detoxification was conducted on the tailings material from four (4) of the column leach tests (KCA Test Nos. 63301, 63304, 63307 and 63319).

Hydrogen peroxide detoxification was conducted on the tailings material from the remaining four (4) column leach tests (KCA Test Nos. 63310, 63313, 63316 and 63322).

A summary of the detoxification tests is presented in Table 6-57.

Table 6-57.
Eagle Gold Project
Summary of Detoxification Tests

KCA Sample No.	KCA Test No.	Description	Target p80 Size, mm	Test Temp., °C	Detox Type
48158	63301	Env. Comp. (Column Leach Tailings)	6.3	22	Bacterial
48158	63304	Env. Comp. (Column Leach Tailings)	6.3	22	Bacterial
48158	63307	Env. Comp. (Column Leach Tailings)	6.3	22	Bacterial
48158	63310	Env. Comp. (Column Leach Tailings)	6.3	22	Peroxide
48158	63313	Env. Comp. (Column Leach Tailings)	6.3	22	Peroxide
48158	63316	Env. Comp. (Column Leach Tailings)	6.3	22	Peroxide
48158	63319	Env. Comp. (Column Leach Tailings)	6.3	3	Bacterial
48158	63322	Env. Comp. (Column Leach Tailings)	6.3	3	Peroxide

6.4.1 Bacterial Detoxification

Following the leaching period, bacterial detoxification was conducted on the tailings material from four (4) of the column leach tests (KCA Test Nos. 63301, 63304, 63307 and 63319). Detoxification was conducted in two (2) phases, solution detoxification (Phase I) followed by continuous solution cycling (Phase II). Detoxification was conducted utilizing bacteria culture in the form of a sugar-syrup mixture (GWS-BCY3) supplied to KCA by Jim Harrington at Alexco Environmental Group.

For Phase I, 24.25 grams of bacteria syrup were added to detoxify the final barren solution of each of the four (4) columns. The detoxified barren solution (detoxification solution) was then mixed continuously in an agitated mixer, and a sample of the detoxification solution was submitted to WETLAB for cyanate, thiocyanate and nitrogen analyses. The columns were then restarted with the detoxification solution (Phase I).

During the detoxification period, the solution was sampled periodically and analyzed for pH, free NaCN and WAD cyanide.

After seventeen (17) days of detoxification, the detoxification solution was sampled and submitted to WETLAB for analysis of selected metals.

The Phase I detoxification procedure was continued until a WAD cyanide value of less than 0.2 milligrams WAD cyanide per liter of solution was obtained. The final detoxification solution was then sampled and submitted to WETLAB for a Profile II analysis. At the end of the detoxification phase, the column was placed on continuous cycle (Phase II).

For Phase II continuous cycling, solutions were sampled periodically and analyzed for pH, free NaCN and WAD cyanide.

On 7 March 2013, the KCA laboratory facility received 195 grams of nutrient solution from the client. For KCA Test Nos. 63304, 63307 and 63319, a 65 gram portion of the received nutrient solution was added into the top of each column along with 100 milliliters of cycling solution. After seven (7) days, the detoxification solution from each test utilizing additional nutrient solution was sampled and submitted to WETLAB for WAD cyanide analysis.

For KCA Test No. 63301, a solution sample was taken at the end of the continuous cycle phase and submitted to WETLAB for a Profile II Analysis. The column tailings material was then utilized for humidity cell test work.

For KCA Test Nos. 63304, 63307 and 63319, the columns were allowed to drain down for five (5) days at the end of the continuous cycle phase. A solution sample was taken from each column at the end of the drain down period, and the samples were combined and blended into a single composite solution (KCA Sample No. 65979). A 4 liter portion of the composite solution was submitted to Tetra Tech for solution analyses; the remaining composite solution was submitted to WETLAB for analyses. The solution submitted to Tetra Tech was analyzed and then submitted to WETLAB for additional analyses. The analyses conducted by Tetra Tech are not included in this report.

The composite solution generation information is presented in Table 6-58.

Table 6-58.
Eagle Gold Project
Composite Solution Generation

5 Day Drain Down, Solution Composite Generation		
KCA Sample No.	Solution to Composite, L	Date
63304	1.62	20-Mar-13
63307	1.34	20-Mar-13
63319	1.36	20-Mar-13
Total, L:	4.32	20-Mar-13

A summary of the sampled solutions from each column is presented in Table 6-59.

The bacterial detoxification test work for each column test is presented in Tables 6-60 through 6-63.

The individual results of the Profile II analyses are presented in Tables 6-64 through 6-70.

The composite solution analyses conducted by WETLAB are presented in Table 6-71.

The received WETLAB reports are presented in Appendix B (external volume).

Table 6-59.
Eagle Gold Project
Bacterial Detoxification
Summary of Sampled Solutions

KCA Test No.	Solution Description	Sample Date	WETLAB Job No.	Notes
63301	Start of Bacteria Detox	13-Jul-12	1207283	Added GWS-BCY3, mixed and submitted for CNO, SCN & Nitrogen.
63301	17 days of bacteria	30-Jul-12	1207631	17 Days into Bacterial detox. Ran Selected metals.
63301	End 1st phase Bacteria	23-Oct-12	1210487	End of 1st phase bacteria detox. Placed on continuous cycle. Profile II.
63301	End 2nd phase Bacteria	3-Dec-12	1212012	End continuous cycle. Profile II Suite. Start HCT.
63304	Start of Bacteria Detox	13-Jul-12	1207283	Added GWS-BCY3, mixed and submitted for CNO, SCN & Nitrogen.
63304	17 days of bacteria	30-Jul-12	1207631	17 Days into Bacterial detox. Ran Selected metals.
63304	End 1st phase Bacteria	23-Oct-12	1210487	End of 1st phase bacteria detox. Placed on continuous cycle. Profile II.
63304	Cycling (2nd Phase)	3-Dec-12	1212039	Profile II Suite.
63304	Cycling (2nd Phase)	17-Jan-13	1301278	Profile II Suite.
63304	Cycling (2nd Phase)	22-Jan-13	SEM: 125850	WAD Cyanide
63304	Cycling (2nd Phase)	31-Jan-13	1301467	WAD Cyanide
63304	Cycling (2nd Phase)	7-Feb-13	1302111	WAD Cyanide
63304	Cycling (2nd Phase)	13-Feb-13	1302210	Total and WAD Cyanide (4X - 250 mL), 65963 A-D
63304	Cycling (2nd Phase)	14-Mar-13	1303275	WAD Cyanide
63304	Cycling (2nd Phase)	20-Mar-13	1303383	5 day DD, 1.62 liters to comp. w/ DD soln. from 63307 and 19. Profile II.
63307	Start of Bacteria Detox	13-Jul-12	1207283	Added GWS-BCY3, mixed and submitted for CNO, SCN & Nitrogen.
63307	17 days of bacteria	30-Jul-12	1207631	17 Days into Bacterial detox. Ran Selected metals.
63307	End 1st phase Bacteria	23-Oct-12	1210487	End of 1st phase bacteria detox. Placed on continuous cycle. Profile II.
63307	Cycling (2nd Phase)	3-Dec-12	1212039	Profile II Suite.
63307	Cycling (2nd Phase)	17-Jan-13	1301278	Profile II Suite.
63307	Cycling (2nd Phase)	22-Jan-13	SEM: 125850	WAD Cyanide
63307	Cycling (2nd Phase)	31-Jan-13	1301467	WAD Cyanide
63307	Cycling (2nd Phase)	7-Feb-13	1302111	WAD Cyanide
63307	Cycling (2nd Phase)	14-Mar-13	1303275	WAD Cyanide
63307	Cycling (2nd Phase)	20-Mar-13	1303383	5 day DD, 1.34 liters to comp. w/ DD soln. from 63304 and 19. Profile II.
63319	Start of Bacteria Detox	13-Jul-12	1207283	Added GWS-BCY3, mixed and submitted for CNO, SCN & Nitrogen.
63319	17 days of bacteria	30-Jul-12	1207631	17 Days into Bacterial detox. Ran Selected metals.
63319	End 1st phase Bacteria	23-Oct-12	1210487	End of 1st phase bacteria detox. Placed on continuous cycle. Profile II.
63319	Cycling (2nd Phase)	3-Dec-12	1212039	Profile II Suite.
63319	Cycling (2nd Phase)	17-Jan-13	1301278	Profile II Suite.
63319	Cycling (2nd Phase)	22-Jan-13	SEM: 125850	WAD Cyanide
63319	Cycling (2nd Phase)	31-Jan-13	1301467	WAD Cyanide
63319	Cycling (2nd Phase)	7-Feb-13	1302111	WAD Cyanide
63319	Cycling (2nd Phase)	14-Mar-13	1303275	WAD Cyanide
63319	Cycling (2nd Phase)	20-Mar-13	1303383	5 day DD, 1.36 liters to comp. w/ DD soln. from 63304 and 07. Profile II.

Table 6-60.
Eagle Gold Project
Bacterial Detoxification
KCA Test No. 63301

Date	pH	Culture* Added, grams	Free NaCN, gpL	Total CN, mg/L	WAD CN, mg/L	Makeup Water Added, mLs	Detox Days	Effluent Volume, L
13-Jul	9.9	24.25	0.03	46.93	12.37	0	0	Start
16-Jul	9.8	0	0.07	--	--	0	3	1.59
17-Jul	9.5	0	0.06	--	--	0	4	0.97
18-Jul	9.5	0	0.03	--	--	0	5	0.80
19-Jul	9.6	0	0.03	--	--	0	6	0.82
20-Jul	9.5	0	0.03	--	--	0	7	0.58
23-Jul	9.4	0	0.02	--	--	0	10	3.13
24-Jul	9.5	0	0.02	--	--	0	11	0.51
25-Jul	9.8	0	0.02	--	--	0	12	0.83
26-Jul	9.4	0	0.01	--	--	0	13	0.75
27-Jul	9.4	0	0.01	--	--	0	14	0.85
30-Jul	9.4	0	0.01	--	2.66	0	17	2.76
31-Jul	9.2	0	0.01	--	--	0	18	0.60
1-Aug	9.0	0	0.01	--	--	0	19	0.78
2-Aug	9.0	0	0.01	--	--	0	20	0.88
3-Aug	9.1	0	0.01	--	--	0	21	0.75
6-Aug	9.2	0	0.01	--	--	0	24	2.70
7-Aug	9.2	0	0.01	--	--	0	25	0.75
8-Aug	9.1	0	0.01	--	--	0	26	0.79
9-Aug	9.0	0	0.01	--	--	0	27	0.62
10-Aug	9.0	0	0.01	--	--	0	28	1.13
13-Aug	9.1	0	0.01	--	--	0	31	1.99
14-Aug	9.0	0	0.01	--	--	0	32	1.05
15-Aug	9.0	0	0.01	--	--	0	33	0.90
16-Aug	9.1	0	0.01	--	--	0	34	0.81
17-Aug	9.0	0	0.01	--	--	0	35	0.87
20-Aug	9.1	0	0.01	--	0.88	0	38	2.29
21-Aug	9.1	0	0.01	--	--	0	39	1.14
22-Aug	9.0	0	0.01	--	--	0	40	0.68
23-Aug	9.0	0	0.01	--	--	0	41	1.15
24-Aug	9.0	0	0.01	--	--	0	42	0.91
27-Aug	9.1	0	0.01	--	0.57	0	45	2.44
28-Aug	9.1	0	0.01	--	--	0	46	0.43
29-Aug	8.9	0	0.01	--	--	0	47	0.77
31-Aug	9.1	0	0.01	--	--	0	49	1.19
4-Sep	8.8	0	0.01	--	--	0	53	1.74
6-Sep	9.0	0	0.01	--	0.57	0	55	0.94
10-Sep	9.1	0	0.01	--	--	0	59	1.67
12-Sep	9.2	0	0.01	--	0.57	0	61	0.66
14-Sep	8.9	0	0.01	--	--	0	63	0.77
17-Sep	9.0	0	0.01	--	0.48	0	66	1.15
19-Sep	9.1	0	0.01	--	--	0	68	0.87
24-Sep	9.0	0	0.01	--	0.78	0	73	0.45
26-Sep	9.1	0	0.01	--	--	0	75	0.65
1-Oct	9.3	0	0.01	--	0.68	0	80	0.44
5-Oct	9.3	0	0.01	--	--	0	84	0.26
8-Oct	9.2	0	0.01	--	0.52	0	87	0.16
17-Oct	--	--	--	--	--	3,000	96	--
19-Oct	8.6	0	0.01	--	--	0	98	2.65
22-Oct	8.8	0	0.01	--	--	0	101	2.68
23-Oct	8.6	0	0.01	0.98	0.16	0	102	1.86

(*) - GWS-BCY3 Syrup.

Table 6-61.
Eagle Gold Project
Bacterial Detoxification
KCA Test No. 63304

Date	pH	Culture* Added, grams	Nutrient Soln. Added, grams	Free NaCN, g/L	Total CN, mg/L	WAD CN, mg/L	Makeup Water Added, mLs	Detox Days	Effluent Volume, L
13-Jul	9.9	24.25	--	0.048	51.72	22.2	0	0	Start
16-Jul	9.3	0	--	0.04	--	--	0	3	2.03
17-Jul	9.3	0	--	0.02	--	--	0	4	0.51
18-Jul	9.4	0	--	0.02	--	--	0	5	0.85
19-Jul	9.4	0	--	0.02	--	--	0	6	0.79
20-Jul	9.2	0	--	0.02	--	--	0	7	0.52
23-Jul	9.1	0	--	0.01	--	--	0	10	3.22
24-Jul	9.3	0	--	0.01	--	--	0	11	0.58
25-Jul	9.6	0	--	0.01	--	--	0	12	0.82
26-Jul	9.3	0	--	0.01	--	--	0	13	0.81
27-Jul	9.3	0	--	0.01	--	--	0	14	0.81
30-Jul	9.3	0	--	0.01	--	2.66	0	17	2.78
31-Jul	9.3	0	--	0.01	--	--	0	18	0.53
1-Aug	9.1	0	--	0.01	--	--	0	19	0.72
2-Aug	9.1	0	--	0.01	--	--	0	20	0.79
3-Aug	9.2	0	--	0.01	--	--	0	21	0.73
6-Aug	9.2	0	--	0.01	--	--	0	24	2.99
7-Aug	9.2	0	--	0.01	--	--	0	25	0.70
8-Aug	9.1	0	--	0.01	--	--	0	26	0.83
9-Aug	9.1	0	--	0.01	--	--	0	27	0.86
10-Aug	9.1	0	--	0.01	--	--	0	28	0.87
13-Aug	9.1	0	--	0.01	--	--	0	31	2.46
14-Aug	9.1	0	--	0.01	--	--	0	32	0.62
15-Aug	9.1	0	--	0.01	--	--	0	33	0.91
16-Aug	9.2	0	--	0.01	--	--	0	34	0.82
17-Aug	9.0	0	--	0.01	--	--	0	35	0.89
20-Aug	9.2	0	--	0.01	--	0.73	0	38	2.77
21-Aug	9.1	0	--	0.01	--	--	0	39	0.74
22-Aug	9.1	0	--	0.01	--	--	0	40	0.81
23-Aug	9.1	0	--	0.01	--	--	0	41	0.85
24-Aug	9.1	0	--	0.01	--	--	0	42	0.82
27-Aug	9.1	0	--	0.01	--	0.62	0	45	2.78
28-Aug	9.1	0	--	0.01	--	--	0	46	0.54
29-Aug	9.0	0	--	0.01	--	--	0	47	0.84
31-Aug	9.1	0	--	0.01	--	--	0	49	1.01
4-Sep	9.2	0	--	0.01	--	--	0	53	2.69
6-Sep	9.1	0	--	0.01	--	0.31	0	55	0.60
10-Sep	9.1	0	--	0.01	--	--	0	59	2.29
12-Sep	9.2	0	--	0.01	--	0.73	0	61	0.71
14-Sep	9.1	0	--	0.01	--	--	0	63	0.78
17-Sep	8.9	0	--	0.01	--	0.66	0	66	1.36
19-Sep	9.1	0	--	0.01	--	--	0	68	1.22
21-Sep	9.3	0	--	0.01	--	--	0	70	0.77
24-Sep	8.8	0	--	0.01	--	0.62	0	73	1.00
26-Sep	9.1	0	--	0.01	--	--	0	75	1.16
1-Oct	9.1	0	--	0.01	--	0.52	0	80	0.83
5-Oct	9.2	0	--	0.01	--	--	0	84	0.82
8-Oct	9.1	0	--	0.01	--	0.42	0	87	0.73
10-Oct	9.1	0	--	0.01	--	--	0	89	0.41
12-Oct	9.0	0	--	0.01	--	--	0	91	0.32
15-Oct	9.4	0	--	0.01	--	--	0	94	0.29
17-Oct	--	--	--	--	--	--	3000	96	0.05
19-Oct	8.6	0	--	0.01	--	--	0	98	2.91
22-Oct	8.8	0	--	0.01	--	--	0	101	2.98
23-Oct	8.6	0	--	0.01	0.88	0.17	0	102	2.53
9-Jan	--	--	--	--	--	0.16	500	180	--
	--	--	--	--	--	0.14			--
7-Mar	--	--	65	--	--	--	100	237	--
18-Mar	--	--	--	--	--	--	--	248	1.57
19-Mar	--	--	--	--	--	--	--	249	1.60
20-Mar	--	--	--	--	--	--	--	250	1.62

(*) - GWS-BCY3 Syrup.

Table 6-62.
Eagle Gold Project
Bacterial Detoxification
KCA Test No. 63307

Date	pH	Culture* Added, grams	Nutrient Soln. Added, grams	Free NaCN, gpL	Total CN, mg/L	WAD CN, mg/L	Makeup Water Added, mLs	Detox Days	Effluent Volume, L
13-Jul	9.9	24.25	--	0.072	68.07	23.53	0	0	Start
16-Jul	9.4	0	--	0.06	--	--	0	3	1.86
17-Jul	9.5	0	--	0.05	--	--	0	4	0.61
18-Jul	9.5	0	--	0.03	--	--	0	5	0.69
19-Jul	9.6	0	--	0.04	--	--	0	6	0.61
20-Jul	9.5	0	--	0.03	--	--	0	7	0.88
23-Jul	9.3	0	--	0.02	--	--	0	10	3.04
24-Jul	9.6	0	--	0.01	--	--	0	11	0.48
25-Jul	9.8	0	--	0.01	--	--	0	12	0.66
26-Jul	9.4	0	--	0.01	--	--	0	13	1.01
27-Jul	9.4	0	--	0.01	--	--	0	14	0.64
30-Jul	9.4	0	--	0.01	--	2.13	0	17	2.63
31-Jul	9.4	0	--	0.01	--	--	0	18	0.79
1-Aug	9.2	0	--	0.01	--	--	0	19	0.78
2-Aug	9.2	0	--	0.01	--	--	0	20	0.82
3-Aug	9.3	0	--	0.01	--	--	0	21	0.79
6-Aug	9.2	0	--	0.01	--	--	0	24	2.22
7-Aug	9.2	0	--	0.01	--	--	0	25	1.22
8-Aug	9.2	0	--	0.01	--	--	0	26	0.72
9-Aug	9.2	0	--	0.01	--	--	0	27	0.82
10-Aug	9.1	0	--	0.01	--	--	0	28	0.88
13-Aug	9.2	0	--	0.01	--	--	0	31	2.25
14-Aug	9.2	0	--	0.01	--	--	0	32	0.54
15-Aug	9.2	0	--	0.01	--	--	0	33	0.91
16-Aug	9.2	0	--	0.01	--	--	0	34	0.72
17-Aug	9.2	0	--	0.01	--	--	0	35	0.86
20-Aug	9.2	0	--	0.01	--	2.26	0	38	2.26
21-Aug	9.2	0	--	0.01	--	--	0	39	0.63
22-Aug	9.2	0	--	0.01	--	--	0	40	0.75
23-Aug	9.2	0	--	0.01	--	--	0	41	0.74
24-Aug	9.2	0	--	0.01	--	--	0	42	0.89
27-Aug	9.3	0	--	0.01	--	0.73	0	45	1.39
28-Aug	9.2	0	--	0.01	--	--	0	46	0.56
29-Aug	9.0	0	--	0.01	--	--	0	47	0.84
31-Aug	9.2	0	--	0.01	--	--	0	49	0.89
4-Sep	9.3	0	--	0.01	--	--	0	53	1.32
6-Sep	9.1	0	--	0.01	--	0.52	0	55	0.85
10-Sep	9.3	0	--	0.01	--	--	0	59	0.88
12-Sep	9.2	0	--	0.01	--	1.14	0	61	0.71
14-Sep	9.2	0	--	0.01	--	--	0	63	0.36
17-Sep	9.3	0	--	0.01	--	0.73	0	66	0.45
19-Sep	9.3	0	--	0.01	--	--	0	68	0.25
21-Sep	9.3	0	--	0.01	--	--	0	70	0.64
24-Sep	9.3	0	--	0.01	--	0.62	0	73	0.59
26-Sep	9.3	0	--	0.01	--	--	0	75	0.24
1-Oct	9.3	0	--	0.01	--	0.42	0	80	0.56
5-Oct	9.3	0	--	0.01	--	--	0	84	0.35
8-Oct	9.1	0	--	0.01	--	0.42	0	87	0.16
17-Oct	--	--	--	--	--	--	3000	96	
19-Oct	8.8	0	--	0.01	--	--	0	98	2.52
22-Oct	8.8	0	--	0.01	--	--	0	101	2.44
23-Oct		0	--	0.01			0	102	1.99
9-Jan	--	--	--	--	--	0.16	500	180	--
	--	--	--	--	--	0.14			--
7-Mar	--	--	65	--	--	--	100	237	--
18-Mar	--	--	--	--	--	--	--	248	1.32
19-Mar	--	--	--	--	--	--	--	249	1.34
20-Mar	--	--	--	--	--	--	--	250	1.34

(*) - GWS-BCY3 Syrup.

Table 6-63.
Eagle Gold Project
Bacterial Detoxification
KCA Test No. 63319

Date	pH	Culture* Added, grams	Nutrient Soln. Added, grams	Free NaCN, g/L	Total CN, mg/L	WAD CN, mg/L	Makeup Water Added, mLs	Detox Days	Effluent Volume, L
13-Jul	10.1	24.25	--	0.036	28.58	19.68	0	0	Start
16-Jul	10.1	0	--	0.04	--	--	0	3	2.30
17-Jul	9.9	0	--	0.02	--	--	0	4	0.55
18-Jul	10.0	0	--	0.02	--	--	0	5	0.96
19-Jul	9.9	0	--	0.02	--	--	0	6	1.22
20-Jul	10.0	0	--	0.02	--	--	0	7	1.32
23-Jul	9.8	0	--	0.01	--	--	0	10	21.3
24-Jul	9.7	0	--	0.01	--	--	0	11	0.49
25-Jul	10.0	0	--	0.01	--	--	0	12	1.34
26-Jul	9.8	0	--	0.01	--	--	0	13	0.69
27-Jul	9.7	0	--	0.01	--	--	0	14	1.18
30-Jul	9.4	0	--	0.01	--	9.31	0	17	2.23
31-Jul	9.4	0	--	0.01	--	--	0	18	0.57
1-Aug	9.4	0	--	0.01	--	--	0	19	1.16
2-Aug	9.3	0	--	0.01	--	--	0	20	1.14
3-Aug	9.3	0	--	0.01	--	--	0	21	0.57
6-Aug	9.4	0	--	0.01	--	--	0	24	2.89
7-Aug	9.3	0	--	0.01	--	--	0	25	0.60
8-Aug	9.1	0	--	0.01	--	--	0	26	0.89
9-Aug	9.1	0	--	0.01	--	--	0	27	1.06
10-Aug	9.0	0	--	0.01	--	--	0	28	0.46
13-Aug	9.1	0	--	0.01	--	--	0	31	2.52
14-Aug	9.1	0	--	0.01	--	--	0	32	0.74
15-Aug	9.0	0	--	0.01	--	--	0	33	1.06
16-Aug	9.1	0	--	0.01	--	--	0	34	0.43
17-Aug	9.1	0	--	0.01	--	--	0	35	0.57
20-Aug	9.1	0	--	0.01	--	2.86	0	38	3.70
21-Aug	9.1	0	--	0.01	--	--	0	39	0.35
22-Aug	9.0	0	--	0.01	--	--	0	40	0.99
23-Aug	9.1	0	--	0.01	--	--	0	41	0.96
24-Aug	9.1	0	--	0.01	--	--	0	42	0.74
27-Aug	9.2	0	--	0.01	--	2.71	0	45	2.67
28-Aug	9.2	0	--	0.01	--	--	0	46	1.02
29-Aug	9.0	0	--	0.01	--	--	0	47	0.79
31-Aug	9.1	0	--	0.01	--	--	0	49	1.11
4-Sep	9.2	0	--	0.01	--	--	0	53	2.29
6-Sep	9.1	0	--	0.01	--	1.20	0	55	1.48
10-Sep	9.1	0	--	0.01	--	--	0	59	3.05
12-Sep	9.1	0	--	0.01	--	2.03	0	61	0.97
14-Sep	9.0	0	--	0.01	--	--	0	63	1.00
17-Sep	9.1	0	--	0.01	--	1.73	0	66	2.52
19-Sep	9.1	0	--	0.01	--	--	0	68	0.92
21-Sep	9.2	0	--	0.01	--	--	0	70	1.41
24-Sep	9.2	0	--	0.01	--	0.42	0	73	2.70
26-Sep	9.0	0	--	0.01	--	--	0	75	2.18
1-Oct	9.1	0	--	0.01	--	0.31	0	80	2.22
5-Oct	8.8	0	--	0.01	--	--	0	84	1.70
8-Oct	9.0	0	--	0.01	--	0.31	0	87	1.56
10-Oct	9.1	0	--	0.01	--	--	0	89	0.90
12-Oct	9.1	0	--	0.01	--	--	0	91	0.72
15-Oct	9.2	0	--	0.01	--	--	0	94	1.12
17-Oct	9.1	--	--	--	--	--	3000	96	0.88
19-Oct	9.0	0	--	0.01	--	--	0	98	3.75
22-Oct	9.0	0	--	0.01	--	--	0	101	3.83
23-Oct	--	0	--	0.01	--	--	0	102	2.19
9-Jan	--	--	--	--	--	0.26	500	180	--
	--	--	--	--	--	0.24			--
16-Jan	--	--	--	--	--	0.12	250	187	--
7-Mar	--	--	65	--	--	--	100	237	--
18-Mar	--	--	--	--	--	--	--	248	1.35
19-Mar	--	--	--	--	--	--	--	249	1.37
20-Mar	--	--	--	--	--	--	--	250	1.36

(*) - GWS-BCY3 Syrup.

Table 6-64.
Eagle Gold Project
KCA Test No. 63301
Bacterial Detoxification Solution Analyses

		63301 Detox Post Bacteria* (13, July)	63301 Detox Post Bacteria* (30, July)	63301 Detox (23, Oct)	63301 End Detox (3, Dec)
	WET Lab No.:	1207283	1207631	1210487	1212012
	Report Date:	27-Jul-12	15-Aug-12	29-Oct-12	14-Dec-12
Constituent	Unit				
pH	pH Units	--	--	8.36	8.80
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	-363	-163
Bicarbonate (HCO ₃)	mg/L	--	--	720	1200
Carbonate (CO ₃)	mg/L	--	--	4.4	65
Hydroxide (OH)	mg/L	--	--	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	--	--	600	1100
Redox Potential	mV	--	--	280	230
Total Kjeldahl Nitrogen	mg/L	85	44	35	0.15
Total Nitrogen	mg/L	86	45	170	0.15
Total Dissolved Solids (TDS)	mg/L	--	--	2900	2600
Electrical Conductivity	µmhos/cm	--	--	5700	4100
Chloride	mg/L	--	--	63	27
Fluoride	mg/L	--	--	2.2	1.6
Sulfate	mg/L	--	--	1600	950
Nitrate Nitrogen	mg/L	0.89	<0.20	2.4	<1.0
Nitrite Nitrogen	mg/L		0.82	130	<0.25
Aluminum	mg/L	--	6.9	0.74	0.70
Barium	mg/L	--	0.11	0.062	0.031
Beryllium	mg/L	--	<0.010	<0.0010	<0.0010
Bismuth	mg/L	--	<1.0	<0.10	<0.10
Boron	mg/L	--	<1.0	0.17	0.12
Cadmium	mg/L	--	<0.010	<0.0010	<0.0010
Calcium	mg/L	--	20	32	17
Chromium	mg/L	--	<0.050	<0.0050	<0.0050
Cobalt	mg/L	--	0.34	0.58	0.17
Copper	mg/L	--	<0.50	<0.10	<0.050
Gallium	mg/L	--	<1.0	<0.10	<0.10
Iron	mg/L	--	15	14	3.6
Lithium	mg/L	--	<1.0	<0.10	<0.10
Magnesium	mg/L	--	<5.0	6.6	3.3
Manganese	mg/L	--	0.13	0.070	0.036
Molybdenum	mg/L	--	0.18	0.22	0.11
Nickel	mg/L	--	<0.10	<0.010	<0.010
Phosphorus	mg/L	--	<5.0	0.64	<0.50
Potassium	mg/L	--	<25	15	13
Scandium	mg/L	--	<1.0	<0.10	<0.10
Silver	mg/L	--	<0.050	<0.0050	<0.0050
Sodium	mg/L	--	720	1400	960
Strontium	mg/L	--	<1.0	1.0	0.44
Tin	mg/L	--	<1.0	<0.10	<0.10
Titanium	mg/L	--	<1.0	<0.10	<0.10
Vanadium	mg/L	--	<0.10	0.025	0.019
Zinc	mg/L	--	0.14	0.014	<0.010
Mercury	mg/L	--	0.0057	<0.0020	<0.0010
Antimony	mg/L	--	1.9	1.5	1.3
Arsenic	mg/L	--	22	3.1	2.2
Lead	mg/L	--	0.70	0.054	0.057
Selenium	mg/L	--	0.064	0.034	0.016
Thallium	mg/L	--	<0.010	<0.0010	<0.0010
Anions	meq/L	--	--	48.1	42.5
Cations	meq/L	--	--	64.3	41.8
Error	%	--	--	14	<1.0
Cyanate	mg/L	100	<2.5	2.4	5.3
Thiocyanate	mg/L	45	53	61	2.2
Ammonia, as Nitrogen	mg/L	31	3.1	0.34	--
Total Cyanide	mg/L	--	--	21	11
WAD Cyanide	mg/L	--	--	1.3	0.24
Total Organic Carbon	mg/L	--	--	68.0	26.0

Table 6-65.
Eagle Gold Project
KCA Test No. 63304
Bacterial Detoxification Solution Analyses

		63304 Detox Post Bacteria* (13, July)	63304 Detox Post Bacteria* (30, July)	63304 (23, Oct)	63304 (3, Dec)	63304 (17, Jan)
	WET Lab No.:	1207283	1207631	1210487	1212039	1301278
	Report Date:	27-Jul-12	15-Aug-12	29-Oct-12	17-Dec-12	23-Jan-13
Constituent	Unit					
pH	pH Units	--	--	8.42	8.66	8.37
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	-117	--	-46
Bicarbonate (HCO ₃)	mg/L	--	--	790	1100	520
Carbonate (CO ₃)	mg/L	--	--	8.0	47	3.9
Hydroxide (OH)	mg/L	--	--	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	--	--	660	1000	430
Redox Potential	mV	--	--	200	240	250
Total Kjeldahl Nitrogen	mg/L	110	98	40	7.6	7.2
Total Nitrogen	mg/L	110	99	250	9.0	7.2
Total Dissolved Solids (TDS)	mg/L	--	--	3000	2500	2200
Electrical Conductivity	µmhos/cm	--	--	5500	4100	4000
Chloride	mg/L	--	--	47	22	20
Fluoride	mg/L	--	--	2.4	2.1	2.2
Sulfate	mg/L	--	--	1400	1100	1100
Nitrate Nitrogen	mg/L	0.86	<0.20	12	<1.0	<1.0
Nitrite Nitrogen	mg/L		0.38	190	9.0	<0.25
Aluminum	mg/L	--	7.2	2.0	1.1	2.6
Barium	mg/L	--	<0.10	0.058	0.036	0.061
Beryllium	mg/L	--	<0.010	<0.0010	<0.0010	<0.0050
Bismuth	mg/L	--	<1.0	<0.10	<0.10	<0.50
Boron	mg/L	--	<1.0	0.16	0.15	<0.50
Cadmium	mg/L	--	<0.010	<0.0010	<0.0010	<0.0050
Calcium	mg/L	--	19	22	17	45
Chromium	mg/L	--	<0.050	<0.0050	<0.0050	<0.025
Cobalt	mg/L	--	0.44	0.67	0.23	0.20
Copper	mg/L	--	<0.50	<0.10	<0.050	<0.25
Gallium	mg/L	--	<1.0	<0.10	<0.10	<0.50
Iron	mg/L	--	12	11	3.2	2.7
Lithium	mg/L	--	<1.0	<0.10	<0.10	<0.50
Magnesium	mg/L	--	<5.0	4.0	3.2	2.6
Manganese	mg/L	--	0.14	0.11	0.068	0.084
Molybdenum	mg/L	--	0.21	0.26	0.12	0.16
Nickel	mg/L	--	<0.10	0.010	<0.010	<0.050
Phosphorus	mg/L	--	<5.0	0.98	0.53	<2.5
Potassium	mg/L	--	5.6	13	12	9.2
Scandium	mg/L	--	<1.0	<0.10	<0.10	<0.50
Silver	mg/L	--	<0.050	<0.0050	<0.0050	<0.025
Sodium	mg/L	--	760	1300	1000	700
Strontium	mg/L	--	<1.0	0.76	0.48	0.79
Tin	mg/L	--	<1.0	<0.10	<0.10	<0.50
Titanium	mg/L	--	<1.0	<0.10	<0.10	<0.50
Vanadium	mg/L	--	<0.10	0.025	0.021	<0.050
Zinc	mg/L	--	0.12	0.023	<0.010	0.11
Mercury	mg/L	--	0.0070	<0.0020	<0.0010	<0.0005
Antimony	mg/L	--	1.9	1.3	1.3	1.1
Arsenic	mg/L	--	22	5.1	3.0	2.6
Lead	mg/L	--	0.76	0.22	0.090	0.25
Selenium	mg/L	--	0.065	0.035	0.020	<0.025
Thallium	mg/L	--	<0.010	<0.0010	<0.0010	<0.0050
Anions	meq/L	--	--	45.4	43.2	32.3
Cations	meq/L	--	--	59.1	45.2	33.6
Error	%	--	--	<1.0	2.2	2.0
Cyanate	mg/L	140	63	3.6	5.5	5.5
Thiocyanate	mg/L	55	65	88	2.7	4.7
Ammonia, as Nitrogen	mg/L	55	49	0.21	--	0.22
Total Cyanide	mg/L	--	--	18	7.6	7.0
WAD Cyanide	mg/L	--	--	0.62	0.25	1.6
Total Organic Carbon	mg/L	--	--	73.0	27.0	20.7

Table 6-66.
Eagle Gold Project
KCA Test No. 63304
Bacterial Detoxification Solution Analyses (continued)

		63304 (22, Jan)	63304 (31, Jan)	63304 (7, Feb)	63304 (65963 A-D) ¹ 4X-250 mL, WAD	63304 (14, Mar)
	WET Lab No.:	SEM 125850	1301467	1302111	1302210	1303275
	Report Date:	23-Jan-13	1-Feb-13	8-Feb-13	14-Feb-13	15-Mar-13
Constituent	Unit					
pH	pH Units	--	--	--	--	--
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	--	--	--	--	--
Carbonate (CO ₃)	mg/L	--	--	--	--	--
Hydroxide (OH)	mg/L	--	--	--	--	--
Total Alkalinity	mg/L as CaCO ₃	--	--	--	--	--
Redox Potential	mV	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--
Electrical Conductivity	µmhos/cm	--	--	--	--	--
Chloride	mg/L	--	--	--	--	--
Fluoride	mg/L	--	--	--	--	--
Sulfate	mg/L	--	--	--	--	--
Nitrate Nitrogen	mg/L	--	--	--	--	--
Nitrite Nitrogen	mg/L	--	--	--	--	--
Aluminum	mg/L	--	--	--	--	--
Barium	mg/L	--	--	--	--	--
Beryllium	mg/L	--	--	--	--	--
Bismuth	mg/L	--	--	--	--	--
Boron	mg/L	--	--	--	--	--
Cadmium	mg/L	--	--	--	--	--
Calcium	mg/L	--	--	--	--	--
Chromium	mg/L	--	--	--	--	--
Cobalt	mg/L	--	--	--	--	--
Copper	mg/L	--	--	--	--	--
Gallium	mg/L	--	--	--	--	--
Iron	mg/L	--	--	--	--	--
Lithium	mg/L	--	--	--	--	--
Magnesium	mg/L	--	--	--	--	--
Manganese	mg/L	--	--	--	--	--
Molybdenum	mg/L	--	--	--	--	--
Nickel	mg/L	--	--	--	--	--
Phosphorus	mg/L	--	--	--	--	--
Potassium	mg/L	--	--	--	--	--
Scandium	mg/L	--	--	--	--	--
Silver	mg/L	--	--	--	--	--
Sodium	mg/L	--	--	--	--	--
Strontium	mg/L	--	--	--	--	--
Tin	mg/L	--	--	--	--	--
Titanium	mg/L	--	--	--	--	--
Vanadium	mg/L	--	--	--	--	--
Zinc	mg/L	--	--	--	--	--
Mercury	mg/L	--	--	--	--	--
Antimony	mg/L	--	--	--	--	--
Arsenic	mg/L	--	--	--	--	--
Lead	mg/L	--	--	--	--	--
Selenium	mg/L	--	--	--	--	--
Thallium	mg/L	--	--	--	--	--
Anions	meq/L	--	--	--	--	--
Cations	meq/L	--	--	--	--	--
Error	%	--	--	--	--	--
Cyanate	mg/L	--	--	--	--	--
Thiocyanate	mg/L	--	--	--	--	--
Ammonia, as Nitrogen	mg/L	--	--	--	--	--
Total Cyanide	mg/L	--	--	--	5.3	--
WAD Cyanide	mg/L	0.080	0.26	0.033	0.35	0.048
Total Organic Carbon	mg/L	--	--	--	--	--

Note (1): Total and WAD cyanide values are averages of four (4) tests (65963 A-D).

Table 6-67.
Eagle Gold Project
KCA Test No. 63307
Bacterial Detoxification Solution Analyses

		63307 Detox Post Bacteria* (13, July)	63307 Detox Post Bacteria* (30, July)	63307 (23, Oct)	63307 (3, Dec)	63307 (17, Jan)
	WET Lab No.:	1207283	1207631	1210487	1212039	1301278
	Report Date:	27-Jul-12	15-Aug-12	29-Oct-12	17-Dec-12	23-Jan-13
Constituent	Unit					
pH	pH Units	--	--	8.42	8.71	8.36
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	-114	--	-63
Bicarbonate (HCO ₃)	mg/L	--	--	950	1500	640
Carbonate (CO ₃)	mg/L	--	--	9.5	69	3.8
Hydroxide (OH)	mg/L	--	--	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	--	--	790	1300	530
Redox Potential	mV	--	--	220	210	240
Total Kjeldahl Nitrogen	mg/L	160	120	43	15	7.7
Total Nitrogen	mg/L	160	120	290	17	7.7
Total Dissolved Solids (TDS)	mg/L	--	--	4000	2800	2100
Electrical Conductivity	µmhos/cm	--	--	5800	4400	3900
Chloride	mg/L	--	--	56	26	21
Fluoride	mg/L	--	--	2.4	2.3	2.4
Sulfate	mg/L	--	--	1300	1000	980
Nitrate Nitrogen	mg/L	0.84	<0.20	7.1	2.1	<1.0
Nitrite Nitrogen	mg/L		1.0	240	0.29	<0.25
Aluminum	mg/L	--	6.9	1.0	0.73	2.2
Barium	mg/L	--	0.10	0.048	0.031	0.063
Beryllium	mg/L	--	<0.010	<0.0010	<0.0010	<0.0050
Bismuth	mg/L	--	<1.0	<0.10	<0.10	<0.50
Boron	mg/L	--	<1.0	0.16	0.13	<0.50
Cadmium	mg/L	--	<0.010	<0.0010	<0.0010	<0.0050
Calcium	mg/L	--	19	19	15	22
Chromium	mg/L	--	<0.050	<0.0050	<0.0050	<0.025
Cobalt	mg/L	--	0.53	0.72	0.22	0.18
Copper	mg/L	--	<0.50	<0.10	<0.050	<0.25
Gallium	mg/L	--	<1.0	<0.10	<0.10	<0.50
Iron	mg/L	--	17	15	5.3	3.8
Lithium	mg/L	--	<1.0	<0.10	<0.10	<0.50
Magnesium	mg/L	--	<5.0	4.2	3.4	2.6
Manganese	mg/L	--	0.15	0.062	0.044	0.063
Molybdenum	mg/L	--	0.23	0.27	0.13	0.15
Nickel	mg/L	--	<0.10	<0.010	<0.010	<0.050
Phosphorus	mg/L	--	5.2	1.2	0.65	<2.5
Potassium	mg/L	--	<25	12	12	7.8
Scandium	mg/L	--	<1.0	<0.10	<0.10	<0.50
Silver	mg/L	--	<0.050	<0.0050	<0.0050	<0.025
Sodium	mg/L	--	940	1400	1200	740
Strontium	mg/L	--	<1.0	0.70	0.44	<0.50
Tin	mg/L	--	<1.0	<0.10	<0.10	<0.50
Titanium	mg/L	--	<1.0	<0.10	<0.10	<0.50
Vanadium	mg/L	--	<0.10	0.030	0.027	<0.050
Zinc	mg/L	--	0.18	0.017	<0.010	0.095
Mercury	mg/L	--	0.0072	<0.0020	<0.0010	<0.0005
Antimony	mg/L	--	2.0	1.3	1.3	1.0
Arsenic	mg/L	--	23	6.0	3.9	2.9
Lead	mg/L	--	0.73	0.071	0.059	0.24
Selenium	mg/L	--	0.072	<0.10	0.019	<0.025
Thallium	mg/L	--	<0.010	<0.0010	<0.0010	<0.0050
Anions	meq/L	--	--	46.6	48.7	31.8
Cations	meq/L	--	--	63.5	53.9	34.2
Error	%	--	--	15	5.0	3.5
Cyanate	mg/L	160	100	3.8	3.8	5.9
Thiocyanate	mg/L	57	76	100	4.4	9.2
Ammonia, as Nitrogen	mg/L	71	62	0.72	--	0.36
Total Cyanide	mg/L	--	--	38	17	10
WAD Cyanide	mg/L	--	--	0.84	0.32	2.5
Total Organic Carbon	mg/L	--	--	82.0	41.0	22.6

Table 6-68.
Eagle Gold Project
KCA Test No. 63307
Bacterial Detoxification Solution Analyses (continued)

		63307 (22, Jan)	63307 (31, Jan)	63307 (7, Feb)	63307 (14, Mar)
	WET Lab No.:	SEM 125850	1301467	1302111	1303275
	Report Date:	23-Jan-13	1-Feb-13	8-Feb-13	15-Mar-13
Constituent	Unit				
pH	pH Units	--	--	--	--
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	--	--	--	--
Carbonate (CO ₃)	mg/L	--	--	--	--
Hydroxide (OH)	mg/L	--	--	--	--
Total Alkalinity	mg/L as CaCO ₃	--	--	--	--
Redox Potential	mV	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--
Electrical Conductivity	µmhos/cm	--	--	--	--
Chloride	mg/L	--	--	--	--
Fluoride	mg/L	--	--	--	--
Sulfate	mg/L	--	--	--	--
Nitrate Nitrogen	mg/L	--	--	--	--
Nitrite Nitrogen	mg/L	--	--	--	--
Aluminum	mg/L	--	--	--	--
Barium	mg/L	--	--	--	--
Beryllium	mg/L	--	--	--	--
Bismuth	mg/L	--	--	--	--
Boron	mg/L	--	--	--	--
Cadmium	mg/L	--	--	--	--
Calcium	mg/L	--	--	--	--
Chromium	mg/L	--	--	--	--
Cobalt	mg/L	--	--	--	--
Copper	mg/L	--	--	--	--
Gallium	mg/L	--	--	--	--
Iron	mg/L	--	--	--	--
Lithium	mg/L	--	--	--	--
Magnesium	mg/L	--	--	--	--
Manganese	mg/L	--	--	--	--
Molybdenum	mg/L	--	--	--	--
Nickel	mg/L	--	--	--	--
Phosphorus	mg/L	--	--	--	--
Potassium	mg/L	--	--	--	--
Scandium	mg/L	--	--	--	--
Silver	mg/L	--	--	--	--
Sodium	mg/L	--	--	--	--
Strontium	mg/L	--	--	--	--
Tin	mg/L	--	--	--	--
Titanium	mg/L	--	--	--	--
Vanadium	mg/L	--	--	--	--
Zinc	mg/L	--	--	--	--
Mercury	mg/L	--	--	--	--
Antimony	mg/L	--	--	--	--
Arsenic	mg/L	--	--	--	--
Lead	mg/L	--	--	--	--
Selenium	mg/L	--	--	--	--
Thallium	mg/L	--	--	--	--
Anions	meq/L	--	--	--	--
Cations	meq/L	--	--	--	--
Error	%	--	--	--	--
Cyanate	mg/L	--	--	--	--
Thiocyanate	mg/L	--	--	--	--
Ammonia, as Nitrogen	mg/L	--	--	--	--
Total Cyanide	mg/L	--	--	--	--
WAD Cyanide	mg/L	0.068	0.32	1.1	0.072
Total Organic Carbon	mg/L	--	--	--	--

Table 6-69.
Eagle Gold Project
KCA Test No. 63319
Bacterial Detoxification Solution Analyses

		63319 Detox Post Bacteria* (13, July)	63319 Detox Post Bacteria* (30, July)	63319 (23, Oct)	63319 (3, Dec)	63319 (17, Jan)
	WET Lab No.:	1207283	1207631	1210487	1212039	1301278
	Report Date:	27-Jul-12	15-Aug-12	29-Oct-12	17-Dec-12	23-Jan-13
Constituent	Unit					
pH	pH Units	--	--	8.84	8.77	8.50
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	-120	--	-65
Bicarbonate (HCO ₃)	mg/L	--	--	800	910	610
Carbonate (CO ₃)	mg/L	--	--	57	47	9.3
Hydroxide (OH)	mg/L	--	--	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	--	--	750	820	520
Redox Potential	mV	--	--	130	140	150
Total Kjeldahl Nitrogen	mg/L	84	87	18	7.1	7.0
Total Nitrogen	mg/L	87	90	30	0.76	7.9
Total Dissolved Solids (TDS)	mg/L	--	--	2400	2000	1400
Electrical Conductivity	µmhos/cm	--	--	4200	3700	3100
Chloride	mg/L	--	--	590	650	380
Fluoride	mg/L	--	--	2.1	1.8	1.3
Sulfate	mg/L	--	--	390	190	230
Nitrate Nitrogen	mg/L	2.9	1.6	9.4	<1.0	<1.0
Nitrite Nitrogen	mg/L		1.7	2.8	0.76	0.90
Aluminum	mg/L	--	3.0	0.71	0.23	1.2
Barium	mg/L	--	<0.10	0.023	0.016	0.053
Beryllium	mg/L	--	<0.010	<0.0010	<0.0010	<0.0050
Bismuth	mg/L	--	<1.0	<0.10	<0.10	<0.50
Boron	mg/L	--	<1.0	0.29	0.53	<0.50
Cadmium	mg/L	--	<0.010	<0.0010	<0.0010	<0.0050
Calcium	mg/L	--	19	9.7	8.2	61
Chromium	mg/L	--	<0.050	<0.0050	<0.0050	<0.025
Cobalt	mg/L	--	0.23	0.34	0.092	0.16
Copper	mg/L	--	4.0	<0.10	<0.050	<0.25
Gallium	mg/L	--	<1.0	<0.10	<0.10	<0.50
Iron	mg/L	--	4.7	3.8	0.77	2.1
Lithium	mg/L	--	<1.0	0.12	0.32	<0.50
Magnesium	mg/L	--	<5.0	2.4	2.3	3.6
Manganese	mg/L	--	0.060	0.021	0.011	0.042
Molybdenum	mg/L	--	<0.10	0.13	<0.10	0.062
Nickel	mg/L	--	0.32	0.013	<0.010	<0.050
Phosphorus	mg/L	--	<5.0	1.5	0.71	<2.5
Potassium	mg/L	--	<25	10	11	7.5
Scandium	mg/L	--	<1.0	<0.10	<0.10	<0.50
Silver	mg/L	--	<0.050	<0.0050	<0.0050	<0.025
Sodium	mg/L	--	610	980	830	550
Strontium	mg/L	--	<1.0	0.33	0.25	1.1
Tin	mg/L	--	<1.0	<0.10	<0.10	<0.50
Titanium	mg/L	--	<1.0	<0.10	<1.0	<0.50
Vanadium	mg/L	--	<0.10	0.036	0.027	<0.050
Zinc	mg/L	--	0.24	0.015	<0.010	0.11
Mercury	mg/L	--	0.0033	<0.0020	<0.010	<0.0020
Antimony	mg/L	--	0.80	0.88	0.68	0.61
Arsenic	mg/L	--	16	9.4	5.5	5.5
Lead	mg/L	--	0.41	0.068	0.028	0.15
Selenium	mg/L	--	<0.050	<0.10	<0.050	<0.025
Thallium	mg/L	--	<0.010	<0.0010	<0.0010	<0.0050
Anions	meq/L	--	--	40.9	38.9	25.9
Cations	meq/L	--	--	43.9	37.1	27.7
Error	%	--	--	3.6	2.4	3.3
Cyanate	mg/L	110	120	3.0	2.7	4.3
Thiocyanate	mg/L	23	26	37	12	15
Ammonia, as Nitrogen	mg/L	44	58	0.69	--	0.27
Total Cyanide	mg/L	--	--	7.9	2.9	3.2
WAD Cyanide	mg/L	--	--	0.26	0.10	0.76
Total Organic Carbon	mg/L	--	--	57.0	28.0	36.1

Table 6-70.
Eagle Gold Project
KCA Test No. 63319
Bacterial Detoxification Solution Analyses (continued)

		63319 (22, Jan)	63319 (31, Jan)	63319 (7, Feb)	63319 (14, Mar)
	WET Lab No.:	SEM 125850	1301467	1302111	1303275
	Report Date:	23-Jan-13	1-Feb-13	8-Feb-13	15-Mar-13
Constituent	Unit				
pH	pH Units	--	--	--	--
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	--	--	--	--
Carbonate (CO ₃)	mg/L	--	--	--	--
Hydroxide (OH)	mg/L	--	--	--	--
Total Alkalinity	mg/L as CaCO ₃	--	--	--	--
Redox Potential	mV	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	--	--	--	--
Total Nitrogen	mg/L	--	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	--	--	--
Electrical Conductivity	µmhos/cm	--	--	--	--
Chloride	mg/L	--	--	--	--
Fluoride	mg/L	--	--	--	--
Sulfate	mg/L	--	--	--	--
Nitrate Nitrogen	mg/L	--	--	--	--
Nitrite Nitrogen	mg/L	--	--	--	--
Aluminum	mg/L	--	--	--	--
Barium	mg/L	--	--	--	--
Beryllium	mg/L	--	--	--	--
Bismuth	mg/L	--	--	--	--
Boron	mg/L	--	--	--	--
Cadmium	mg/L	--	--	--	--
Calcium	mg/L	--	--	--	--
Chromium	mg/L	--	--	--	--
Cobalt	mg/L	--	--	--	--
Copper	mg/L	--	--	--	--
Gallium	mg/L	--	--	--	--
Iron	mg/L	--	--	--	--
Lithium	mg/L	--	--	--	--
Magnesium	mg/L	--	--	--	--
Manganese	mg/L	--	--	--	--
Molybdenum	mg/L	--	--	--	--
Nickel	mg/L	--	--	--	--
Phosphorus	mg/L	--	--	--	--
Potassium	mg/L	--	--	--	--
Scandium	mg/L	--	--	--	--
Silver	mg/L	--	--	--	--
Sodium	mg/L	--	--	--	--
Strontium	mg/L	--	--	--	--
Tin	mg/L	--	--	--	--
Titanium	mg/L	--	--	--	--
Vanadium	mg/L	--	--	--	--
Zinc	mg/L	--	--	--	--
Mercury	mg/L	--	--	--	--
Antimony	mg/L	--	--	--	--
Arsenic	mg/L	--	--	--	--
Lead	mg/L	--	--	--	--
Selenium	mg/L	--	--	--	--
Thallium	mg/L	--	--	--	--
Anions	meq/L	--	--	--	--
Cations	meq/L	--	--	--	--
Error	%	--	--	--	--
Cyanate	mg/L	--	--	--	--
Thiocyanate	mg/L	--	--	--	--
Ammonia, as Nitrogen	mg/L	--	--	--	--
Total Cyanide	mg/L	--	--	--	--
WAD Cyanide	mg/L	0.032	0.065	0.47	0.031
Total Organic Carbon	mg/L	--	--	--	--

Table 6-71.
Eagle Gold Project
Composite Solution - Bacterial Detoxification Analyses

		KCA Sample No. 65979	TT-VG-Bench-2 KCA Sample No. 65979
	Report No.:	WETLAB: 1303383	WETLAB: 1304114
	Report Date:	26-Mar-13	8-Apr-13
	Analysis:	Pre Tetra Tech	Post Tetra Tech
	Solution:	--	unpreserved
Constituent	Unit		
Cyanate	mg/L	1.6	<5.0
Thiocyanate	mg/L	0.79	<0.10
Ammonia, as Nitrogen	mg/L	<0.050	1.4
Chloride	mg/L	99	130
Fluoride	mg/L	1.9	1.8
Sulfate	mg/L	1000	2200
Nitrate Nitrogen	mg/L	0.30	0.12
Chromium	mg/L	0.0085	0.040
Iron	mg/L	2.9	0.16
Molybdenum	mg/L	0.14	0.075
Nickel	mg/L	0.033	0.026
Silver	mg/L	<0.0015	0.0069
Zinc	mg/L	0.12	0.014
Mercury	mg/L	<0.0010	<0.00010
Antimony	mg/L	0.68	<0.0005
Arsenic	mg/L	2.6	0.0078
Cadmium	mg/L	<0.0009	<0.0009
Copper	mg/L	0.089	0.080
Lead	mg/L	0.53	<0.0020
Selenium	mg/L	0.013	0.016
Thallium	mg/L	<0.0004	<0.0004
Uranium	mg/L	0.52	<0.0004
Total Organic Carbon (TOC)	mg/L	420	--

6.4.2 Hydrogen Peroxide Detoxification

Following the leaching period, detoxification test work utilizing a hydrogen peroxide (copper catalyzed peroxide) detoxification method was conducted on the tailings material from four (4) of the column leach tests (KCA Test Nos. 63310, 63313, 63316 and 63322).

For each of the four (4) columns, hydrogen peroxide and copper nitrate ($\text{CuN}_2\text{O}_6 \cdot 5\text{H}_2\text{O}$) were added to detoxify the final barren solution. The columns were then restarted with the detoxified barren solution (detoxification solution). Initial reagent additions to the detoxification solution were based upon the total cyanide and copper analyses conducted on the final barren solution at the end of the leach period. Daily hydrogen peroxide

additions to the detoxification solution were calculated based upon the initial WAD cyanide analysis. Daily copper nitrate additions were calculated and maintained at 0.21 grams of copper nitrate per liter of detoxification solution.

During the detoxification period, the solutions were sampled periodically and analyzed for pH and free NaCN. Additionally, the solution was analyzed every seven (7) days for WAD cyanide. The daily hydrogen peroxide additions were adjusted accordingly.

After fourteen (14) days of detoxification, the detoxification solution was sampled and submitted to WETLAB for a Profile II analysis.

The detoxification procedure was continued until a WAD cyanide value of less than 0.2 milligrams WAD cyanide per liter of solution was obtained. The final detoxification solution was then sampled and submitted to WETLAB for a Profile II analysis.

On 22 October 2012, a portion of solution from each of the four (4) hydrogen peroxide detoxification columns was sampled and combined into a single composite solution (KCA Sample No. 63593). The composite solution was submitted to Tetra Tech for a Profile II analysis.

At the end of the detoxification period, a rinse cycle of approximately ten (10) days was conducted on the detoxified tailings from each column. Two (2) of the columns (KCA Test Nos. 63310 and 63313) were rinsed with deionized water. The remaining two (2) columns (KCA Test Nos. 63316 and 63322) were rinsed with a mock solution (100 liters) prepared by KCA according to solution generation information provided by the client. The generated mock solution was sampled and submitted to WETLAB and Sierra Environmental Monitoring (SEM) for Profile II analyses. During the rinse cycle, the rinse solution from each column was sampled periodically and analyzed for pH, free NaCN and WAD cyanide. A portion of each rinse solution sample was also submitted to WETLAB for ammonia analysis.

At the end of the rinse cycle, the final rinse solution was sampled and submitted to WETLAB for a Profile II analysis. The detoxified and rinsed tailings material from each column was then utilized for humidity cell test work.

A summary of the sampled solutions from each column is presented in Table 6-72.

The hydrogen peroxide detoxification test work for each column test is presented in Tables 6-73 through 6-76. The individual results from the Profile II and ammonia analyses are presented in Tables 6-77 through 6-82.

The Tetra Tech analysis is presented in Table 6-83.

The mock solution generation information is presented in Table 6-84. A summary of the mock solution analyses is presented in Table 6-85. The mock solution Profile II analysis is presented in Table 6-86.

The received WETLAB and SEM reports are presented in Appendix B (external volume).

Table 6-72.
Eagle Gold Project
Hydrogen Peroxide Detoxification
Summary of Sampled Solutions

KCA Test No.	Solution Description	Sample Date	Solution Type	WETLAB Job No.	Notes
63310	14 days of Peroxide	2-Aug-12	--	1208037	14 days into peroxide detox Profile II.
63310	End peroxide detox	8-Oct-12	--	1210173	End of detox. Profile II only. Start of water rinse on 22 Oct.
63310	Ammonia	29-Oct-12	D.I. Water	1210590	Ammonia assays only.
63310	Ammonia	30-Oct-12	D.I. Water	1210590	Ammonia assays only.
63310	Ammonia	31-Oct-12	D.I. Water	1211029	Ammonia assays only.
63310	Final Rinse	2-Nov-12	D.I. Water	1211030	End of water rinse. Profile II suite. Start HCT on 11 Nov.
63313	14 days of Peroxide	2-Aug-12	--	1208037	14 days into peroxide detox Profile II.
63313	End peroxide detox	8-Oct-12	--	1210173	End of detox. Profile II only. Start of water rinse on 22 Oct.
63313	Ammonia	29-Oct-12	D.I. Water	1210590	Ammonia assays only.
63313	Ammonia	30-Oct-12	D.I. Water	1210590	Ammonia assays only.
63313	Ammonia	31-Oct-12	D.I. Water	1211029	Ammonia assays only.
63313	Final Rinse	2-Nov-12	D.I. Water	1211030	End of water rinse. Profile II suite. Start HCT on 11 Nov.
63316	14 days of Peroxide	2-Aug-12	--	1208037	14 days into peroxide detox Profile II.
63316	End peroxide detox	8-Oct-12	--	1210173	End of detox. Profile II only. Start of water rinse on 1 Nov.
63316	Ammonia	2-Nov-12	Mock Solution	1211029	Ammonia assays only.
63316	Ammonia	5-Nov-12	Mock Solution	1211083	Ammonia assays only.
63316	Ammonia	6-Nov-12	Mock Solution	1211083	Ammonia assays only.
63316	Ammonia	7-Nov-12	Mock Solution	1211173	Ammonia assays only.
63316	Ammonia	8-Nov-12	Mock Solution	1211173	Ammonia assays only.
63316	Ammonia	9-Nov-12	Mock Solution	1211173	Ammonia assays only.
63316	Final Rinse		Mock Solution	1211243	End of water rinse. Profile II suite. Start HCT on 17 Nov.
63322	14 days of Peroxide	2-Aug-12	--	1208037	14 days into peroxide detox Profile II.
63322	End peroxide detox	2-Oct-12	--	1210042	End of detox. Profile II only. Start of water rinse on 1 Nov.
63322	Ammonia	2-Nov-12	Mock Solution	1211029	Ammonia assays only.
63322	Ammonia	5-Nov-12	Mock Solution	1211083	Ammonia assays only.
63322	Ammonia	6-Nov-12	Mock Solution	1211083	Ammonia assays only.
63322	Ammonia	7-Nov-12	Mock Solution	1211173	Ammonia assays only.
63322	Ammonia	8-Nov-12	Mock Solution	1211173	Ammonia assays only.
63322	Ammonia	9-Nov-12	Mock Solution	1211173	Ammonia assays only.
63322	Final Rinse		Mock Solution	1211243	End of water rinse. Profile II suite. Start HCT on 11 Nov.

Table 6-73.
Eagle Gold Project
Hydrogen Peroxide Detoxification
KCA Test No. 63310

Date	pH	Free NaCN, gpL	35% H ₂ O ₂ , grams	CuN ₂ O ₆ 5H ₂ O, grams	WAD CN, mg/L	Total CN, mg/L	Detox Days	Water Added, mLs	Fe, mg/L	Cu, mg/L	Onflow Volume, L	Outflow Volume, L	Detox t _g /t ₀	Cum. Cu, kg/MT	Cum. 100% H ₂ O ₂ , kg/MT
19-Jul	9.8	0.03	0.180	0.21	13.56	41.48	0		6.17	6.81	--	Start	--	0.001	0.002
20-Jul	9.5	0.03	0.540	0.63	--	--	1				--	2.17	--	0.005	0.006
23-Jul	9.5	0.01	0.180	0.21	--	--	4				2.17	7.40	0.05	0.006	0.008
24-Jul	9.4	<0.01	0.180	0.21	--	--	5				7.40	2.93	0.24	0.007	0.010
25-Jul	9.6	<0.01	0.180	0.21	--	--	6				2.93	2.52	0.32	0.008	0.011
26-Jul	9.3	<0.01	0.012	0.21	0.80	--	7				2.52	3.67	0.38	0.010	0.011
27-Jul	9.3	<0.01	0.360	0.63	--	--	8				3.67	2.35	0.47	0.013	0.014
30-Jul	9.1	<0.01	0.012	0.21	--	--	10				2.35	6.85	0.53	0.015	0.015
31-Jul	9.4	<0.01	0.012	0.21	--	--	11				6.85	2.58	0.70	0.016	0.015
1-Aug	9.4	<0.01	0.012	0.21	--	--	12				2.58	3.08	0.77	0.017	0.015
2-Aug	9.1	<0.01	0.021	0.21	1.33	--	13				3.08	2.79	0.85	0.018	0.015
3-Aug	9.0	<0.01	0.063	0.63	--	--	14				2.79	2.93	0.92	0.022	0.015
6-Aug	8.9	<0.01	0.030	0.21	--	--	17				2.93	6.38	0.99	0.023	0.016
7-Aug	9.0	<0.01	0.030	0.21	--	--	18				6.38	2.31	1.15	0.024	0.016
8-Aug	8.9	<0.01	0.030	0.21	--	--	19				2.31	3.27	1.21	0.025	0.016
9-Aug	8.9	<0.01	0.030	0.21	0.83	--	20				3.27	2.73	1.29	0.027	0.017
10-Aug	8.8	<0.01	0.090	0.63	--	--	21				2.73	2.98	1.36	0.030	0.017
13-Aug	9.0	<0.01	0.030	0.21	--	--	24				2.98	5.15	1.44	0.032	0.018
14-Aug	8.8	<0.01	0.030	0.21	--	--	25				5.15	2.35	1.57	0.033	0.018
15-Aug	8.8	<0.01	0.030	0.21	--	--	26				2.35	3.27	1.63	0.034	0.018
16-Aug	8.9	<0.01	0.020	0.21	0.47	--	27				3.27	2.72	1.71	0.035	0.018
17-Aug	8.9	<0.01	0.060	0.63	--	--	28				2.72	3.14	1.78	0.039	0.019
20-Aug	9.0	<0.01	0.020	0.21	--	--	31				3.14	4.42	1.86	0.040	0.019
21-Aug	8.9	<0.01	0.020	0.21	--	--	32				4.42	3.19	1.97	0.041	0.019
22-Aug	8.9	<0.01	0.020	0.21	--	--	33				3.19	2.87	2.05	0.042	0.019
23-Aug	8.9	<0.01	0.020	0.21	0.42	--	34				2.87	3.65	2.12	0.044	0.020
24-Aug	8.8	<0.01	0.060	0.63	--	--	35				3.65	3.66	2.21	0.047	0.020
27-Aug	8.9	<0.01	0.020	0.21	--	--	38				3.66	4.07	2.31	0.049	0.020
28-Aug	8.9	<0.01	0.020	0.21	--	--	39				4.07	3.86	2.41	0.050	0.020
29-Aug	8.8	<0.01	0.020	0.21	0.31	--	40				3.86	3.99	2.51	0.051	0.021
31-Aug	8.9	<0.01	0.060	0.63	--	--	42				3.99	4.05	2.61	0.055	0.021
4-Sep	9.0	<0.01	0.020	0.21	--	--	46				4.05	4.11	2.71	0.056	0.021
6-Sep	8.8	<0.01	0.060	0.63	0.26	--	48				4.11	3.70	2.81	0.059	0.022
10-Sep	9.0	<0.01	0.020	0.21	--	--	52				3.70	3.77	2.91	0.061	0.022
12-Sep	8.9	<0.01	0.020	0.21	0.21	--	54				3.77	3.48	3.00	0.062	0.022
14-Sep	8.8	<0.01	0.060	0.63	--	--	56				3.48	3.10	3.09	0.066	0.023
17-Sep	9.0	<0.01	0.020	0.21	0.24	--	59				3.10	3.39	3.17	0.067	0.023
19-Sep	8.9	<0.01	0.020	0.21	--	--	61				3.39	3.12	3.25	0.068	0.023
21-Sep	9.0	<0.01	0.060	0.63	--	--	63				3.12	3.13	3.33	0.072	0.024
24-Sep	9.0	<0.01	0.020	0.21	0.26	--	66				3.13	2.95	3.41	0.073	0.024
26-Sep	8.9	<0.01	0.020	0.21	--	--	68				2.95	2.73	3.49	0.074	0.024
2-Oct	9.0	<0.01	0.020	0.21	0.16	--	74				2.73	2.61	3.55	0.075	0.024
8-Oct	9.0	<0.01	--	--	<0.10	0.38	80				2.61	2.76	3.62	0.075	0.024
22-Oct	--	<0.01	--	--	--	--	94	3,000			0.00	0.00	3.70	0.075	0.024
23-Oct	--	<0.01	--	--	--	--	95	270			0.00	2.73	3.70	0.075	0.024
24-Oct	--	<0.01	--	--	0.14	--	96	690			2.73	2.31	3.79	0.075	0.024
25-Oct	8.7	<0.01	--	--	--	--	97	0			2.31	3.02	3.85	0.075	0.024
29-Oct	9.1	<0.01	--	--	0.05	--	101	330			3.02	2.67	3.93	0.075	0.024
30-Oct	9.1	<0.01	--	--	0.05	--	102	1,090			2.67	2.41	4.03	0.075	0.024
31-Oct	9.0	<0.01	--	--	0.05	--	103	0			2.41	2.76	4.09	0.075	0.024

Table 6-74.
Eagle Gold Project
Hydrogen Peroxide Detoxification
KCA Test No. 63313

Date	pH	Free NaCN, gpL	35% H ₂ O ₂ , grams	CuN ₂ O ₆ , 5H ₂ O, grams	WAD CN, mg/L	Total CN, mg/L	Detox Days	Water Added, mLs	Fe, mg/L	Cu, mg/L	Onflow Volume, L	Outflow Volume, L	Detox t _g /t ₀	Cum. Cu, kg/MT	Cum. 100% H ₂ O ₂ , kg/MT
19-Jul	9.9	0.03	0.180	0.21	13.56	38.16	0		4.13	8.28	--	Start	--	0.001	0.002
20-Jul	9.7	0.03	0.540	0.63	--	--	1				--	2.10	--	0.005	0.006
23-Jul	9.6	0.01	0.180	0.21	--	--	4				2.10	6.74	0.05	0.006	0.008
24-Jul	9.6	<0.01	0.180	0.21	--	--	5				6.74	2.98	0.22	0.007	0.010
25-Jul	9.7	<0.01	0.180	0.21	--	--	6				2.98	2.59	0.30	0.008	0.011
26-Jul	9.4	<0.01	0.030	0.21	2.26	--	7				2.59	3.39	0.36	0.010	0.011
27-Jul	9.3	<0.01	0.090	0.63	--	--	8				3.39	2.35	0.45	0.013	0.012
30-Jul	9.2	<0.01	0.030	0.21	--	--	10				2.35	6.32	0.51	0.015	0.012
31-Jul	9.5	<0.01	0.030	0.21	--	--	11				6.32	2.45	0.67	0.016	0.013
1-Aug	9.5	<0.01	0.030	0.21	--	--	12				2.45	3.08	0.73	0.017	0.013
2-Aug	9.3	<0.01	0.030	0.21	0.53	--	13				3.08	2.94	0.81	0.018	0.013
3-Aug	9.2	<0.01	0.030	0.63	--	--	14				2.94	3.17	0.88	0.022	0.014
6-Aug	9.1	<0.01	0.030	0.21	--	--	17				3.17	5.75	0.96	0.023	0.014
7-Aug	9.1	<0.01	0.030	0.21	--	--	18				5.75	1.23	1.11	0.024	0.014
8-Aug	8.9	<0.01	0.030	0.21	--	--	19				1.23	2.92	1.14	0.025	0.014
9-Aug	9.0	<0.01	0.030	0.21	0.31	--	20				2.92	2.76	1.21	0.027	0.015
10-Aug	8.9	<0.01	0.090	0.63	--	--	21				2.76	2.92	1.28	0.030	0.015
13-Aug	9.1	<0.01	0.030	0.21	--	--	24				2.92	3.08	1.36	0.032	0.016
14-Aug	8.8	<0.01	0.030	0.21	--	--	25				3.08	2.44	1.43	0.033	0.016
15-Aug	8.9	<0.01	0.030	0.21	--	--	26				2.44	3.11	1.49	0.034	0.016
16-Aug	9.0	<0.01	0.010	0.21	0.31	--	27				3.11	2.78	1.57	0.035	0.016
17-Aug	9.0	<0.01	0.030	0.63	--	--	28				2.78	2.63	1.64	0.039	0.017
20-Aug	9.1	<0.01	0.010	0.21	--	--	31				2.63	2.25	1.71	0.040	0.017
21-Aug	8.9	<0.01	0.010	0.21	--	--	32				2.25	2.65	1.77	0.041	0.017
22-Aug	8.9	<0.01	0.010	0.21	--	--	33				2.65	2.46	1.83	0.042	0.017
23-Aug	8.9	<0.01	0.010	0.21	0.31	--	34				2.46	1.52	1.90	0.044	0.017
24-Aug	8.9	<0.01	0.030	0.63	--	--	35				1.52	1.49	1.93	0.047	0.017
27-Aug	9.0	<0.01	0.010	0.21	--	--	38				1.49	1.82	1.97	0.049	0.017
28-Aug	9.0	<0.01	0.010	0.21	--	--	39				1.82	1.94	2.02	0.050	0.017
29-Aug	8.8	<0.01	0.010	0.21	0.26	--	40				1.94	1.86	2.07	0.051	0.017
31-Aug	9.0	<0.01	0.030	0.63	--	--	42				1.86	1.8	2.11	0.055	0.018
4-Sep	9.1	<0.01	0.010	0.21	--	--	46				1.8	2.32	2.16	0.056	0.018
6-Sep	8.9	<0.01	0.030	0.63	0.26	--	48				2.32	1.86	2.22	0.059	0.018
10-Sep	9.0	<0.01	0.010	0.21	--	--	52				1.86	1.99	2.26	0.061	0.018
12-Sep	9.0	<0.01	0.010	0.21	0.26	--	54				1.99	1.80	2.31	0.062	0.018
14-Sep	8.9	<0.01	0.030	0.63	--	--	56				1.80	1.46	2.36	0.066	0.018
17-Sep	9.1	<0.01	0.010	0.21	0.26	--	59				1.46	1.52	2.40	0.067	0.019
19-Sep	9.0	<0.01	0.010	0.21	--	--	61				1.52	1.31	2.43	0.068	0.019
21-Sep	9.0	<0.01	0.030	0.63	--	--	63				1.31	1.24	2.47	0.072	0.019
24-Sep	9.1	<0.01	0.010	0.21	0.21	--	66				1.24	1.22	2.50	0.073	0.019
26-Sep	9.0	<0.01	0.010	0.21	--	--	68				1.22	0.87	2.53	0.074	0.019
2-Oct	9.2	<0.01	0.010	0.21	0.10	--	74				0.87	0.62	2.55	0.075	0.019
8-Oct	8.9	<0.01	--	--	<0.10	0.23	80				0.62	0.45	2.57	0.075	0.019
22-Oct	--	<0.01	--	--	--	--	94	3,000			0.00	0.00	2.64	0.075	0.019
23-Oct	--	<0.01	--	--	--	--	95	0			0.00	2.90	2.64	0.075	0.019
24-Oct	--	<0.01	--	--	0.11	--	96	670			2.90	2.33	2.73	0.075	0.019
25-Oct	9.0	<0.01	--	--	--	--	97	0			2.33	2.96	2.79	0.075	0.019
29-Oct	9.2	<0.01	--	--	0.05	--	101	480			2.96	2.52	2.88	0.075	0.019
30-Oct	9.1	<0.01	--	--	0.05	--	102	990			2.52	2.51	2.97	0.075	0.019
31-Oct	9.0	<0.01	--	--	0.05	--	103	0			2.51	2.95	3.03	0.075	0.019

Table 6-75.
Eagle Gold Project
Hydrogen Peroxide Detoxification
KCA Test No. 63316

Date	pH	Free NaCN, gpL	35% H ₂ O ₂ , grams	CuN ₂ O ₆ 5H ₂ O, grams	WAD CN, mg/L	Total CN, mg/L	Detox Days	Water Added, mLs	Fe, mg/L	Cu, mg/L	Onflow Volume, L	Outflow Volume, L	Detox t ₀ /t ₁₀	Cum. Cu, kg/MT	Cum. 100% H ₂ O ₂ , kg/MT
19-Jul	9.9	0.02	0.120	0.21	8.64	29.12	0		3.54	7.54	--	Start	--	0.001	0.001
20-Jul	9.5	0.02	0.360	0.63	--	--	1				--	1.15	--	0.005	0.004
23-Jul	9.7	0.01	0.120	0.21	--	--	4				1.15	5.78	0.03	0.006	0.005
24-Jul	9.7	<0.01	0.120	0.21	--	--	5				5.78	3.42	0.17	0.007	0.006
25-Jul	9.7	<0.01	0.120	0.21	--	--	6				3.42	2.09	0.26	0.008	0.007
26-Jul	9.5	<0.01	0.021	0.21	1.60	--	7				2.09	3.4	0.31	0.010	0.008
27-Jul	9.6	<0.01	0.063	0.63	--	--	8				3.4	2.28	0.40	0.013	0.008
30-Jul	9.8	<0.01	0.021	0.21	--	--	10				2.28	6.79	0.46	0.015	0.008
31-Jul	9.5	<0.01	0.021	0.21	--	--	11				6.79	2.47	0.63	0.016	0.009
1-Aug	9.5	<0.01	0.021	0.21	--	--	12				2.47	3.08	0.69	0.017	0.009
2-Aug	9.4	<0.01	0.021	0.21	0.93	--	13				3.08	3.04	0.77	0.018	0.009
3-Aug	9.3	<0.01	0.063	0.63	--	--	14				3.04	3.11	0.85	0.022	0.009
6-Aug	9.1	<0.01	0.030	0.21	--	--	17				3.11	4.93	0.92	0.023	0.010
7-Aug	9.0	<0.01	0.030	0.21	--	--	18				4.93	2.65	1.05	0.024	0.010
8-Aug	9.0	<0.01	0.030	0.21	--	--	19				2.65	2.96	1.12	0.025	0.010
9-Aug	9.0	<0.01	0.030	0.21	0.31	--	20				2.96	2.78	1.19	0.027	0.011
10-Aug	9.0	<0.01	0.090	0.63	--	--	21				2.78	2.93	1.26	0.030	0.011
13-Aug	9.0	<0.01	0.030	0.21	--	--	24				2.93	3.31	1.33	0.032	0.012
14-Aug	8.9	<0.01	0.030	0.21	--	--	25				3.31	2.79	1.42	0.033	0.012
15-Aug	8.9	<0.01	0.030	0.21	--	--	26				2.79	3.14	1.49	0.034	0.012
16-Aug	9.1	<0.01	0.010	0.21	0.26	--	27				3.14	2.74	1.57	0.035	0.012
17-Aug	9.1	<0.01	0.030	0.63	--	--	28				2.74	2.87	1.64	0.039	0.012
20-Aug	9.1	<0.01	0.010	0.21	--	--	31				2.87	1.89	1.71	0.040	0.013
21-Aug	9.0	<0.01	0.010	0.21	--	--	32				1.89	1.67	1.76	0.041	0.013
22-Aug	8.9	<0.01	0.010	0.21	--	--	33				1.67	3.11	1.80	0.042	0.013
23-Aug	8.9	<0.01	0.010	0.21	0.36	--	34				3.11	2.24	1.88	0.044	0.013
24-Aug	8.9	<0.01	0.030	0.63	--	--	35				2.24	2.17	1.93	0.047	0.013
27-Aug	9.0	<0.01	0.010	0.21	--	--	38				2.17	0.55	1.99	0.049	0.013
28-Aug	9.1	<0.01	0.010	0.21	--	--	39				0.55	1.09	2.00	0.050	0.013
29-Aug	9.0	<0.01	0.010	0.21	0.31	--	40				1.09	0.83	2.03	0.051	0.013
31-Aug	9.1	<0.01	0.030	0.63	--	--	42				0.83	0.79	2.05	0.055	0.014
4-Sep	9.2	<0.01	0.010	0.21	--	--	46				0.79	3.06	2.07	0.056	0.014
6-Sep	8.9	<0.01	0.030	0.63	0.26	--	48				3.06	2.53	2.15	0.059	0.014
10-Sep	9.1	<0.01	0.010	0.21	--	--	52				2.53	2.57	2.21	0.061	0.014
12-Sep	9.0	<0.01	0.010	0.21	0.26	--	54				2.57	0.76	2.28	0.062	0.014
14-Sep	8.9	<0.01	0.030	0.63	--	--	56				0.76	1.68	2.30	0.066	0.014
19-Sep	9.0	<0.01	0.010	0.21	0.24	--	61				1.68	1.22	2.34	0.067	0.014
21-Sep	9.0	<0.01	0.030	0.63	--	--	63				1.22	1.87	2.37	0.070	0.015
24-Sep	9.0	<0.01	0.010	0.21	0.26	--	66				1.87	0.45	2.42	0.072	0.015
26-Sep	9.1	<0.01	0.010	0.21	--	--	68				0.45	1.48	2.43	0.073	0.015
2-Oct	9.0	<0.01	0.010	0.21	<0.10	--	74				1.48	1.80	2.47	0.074	0.015
8-Oct	9.0	<0.01	--	--	0.16	0.53	80				1.80	1.20	2.51	0.074	0.015
17-Oct	--	<0.01	--	--	--	--	89	3,000			0.00	0.00	2.59	0.074	0.015
1-Nov	--	<0.01	--	--	--	--	104	3,000			0.00	0.00	2.66	0.074	0.015
2-Nov	9.1	<0.01	--	--	0.26	--	105	500			0.00	3.03	2.67	0.074	0.015
5-Nov	9.0	<0.01	--	--	1.41	--	108	0			3.03	5.04	2.75	0.074	0.015
6-Nov	9.1	<0.01	--	--	0.1	--	109	420			5.04	3.08	2.89	0.074	0.015
7-Nov	9.1	<0.01	--	--	0.05	--	110	230			3.08	3.29	2.97	0.074	0.015
8-Nov	9.1	<0.01	--	--	0.05	--	111	900			3.29	2.66	3.08	0.074	0.015
9-Nov	8.9	<0.01	--	--	0.05	--	112	1,350			2.66	2.19	3.18	0.074	0.015

Table 6-76.
Eagle Gold Project
Hydrogen Peroxide Detoxification
KCA Test No. 63322

Date	pH	Free NaCN, gpL	35% H ₂ O ₂ , grams	CuN ₂ O ₆ , 5H ₂ O, grams	WAD CN, mg/L	Total CN, mg/L	Detox Days	Water Added, mLs	Fe, mg/L	Cu, mg/L	Onflow Volume, L	Outflow Volume, L	Detox t _g /t ₀	Cum. Cu, kg/MT	Cum. 100% H ₂ O ₂ , kg/MT
19-Jul	10.0	0.03	0.210	0.21	14.62	28.73	0		3.26	4.73	--	Start	--	0.001	0.002
20-Jul	10.2	0.03	0.630	0.63	--	--	1				--	0.67	--	0.005	0.007
23-Jul	10.0	0.01	0.210	0.21	--	--	4				0.67	6.30	0.02	0.006	0.009
24-Jul	10.0	<0.01	0.210	0.21	--	--	5				6.30	3.43	0.18	0.007	0.011
25-Jul	10.0	<0.01	0.210	0.21	--	--	6				3.43	2.69	0.26	0.008	0.013
26-Jul	9.7	<0.01	0.129	0.21	9.57	--	7				2.69	3.40	0.33	0.010	0.014
27-Jul	9.8	<0.01	0.387	0.63	--	--	8				3.40	2.36	0.42	0.013	0.018
30-Jul	9.7	<0.01	0.129	0.21	--	--	10				2.36	6.79	0.48	0.015	0.019
31-Jul	9.8	<0.01	0.129	0.21	--	--	11				6.79	2.67	0.65	0.016	0.020
1-Aug	9.7	<0.01	0.129	0.21	--	--	12				2.67	3.12	0.71	0.017	0.021
2-Aug	9.5	<0.01	0.120	0.21	9.04	--	13				3.12	2.92	0.79	0.018	0.022
3-Aug	9.5	<0.01	0.360	0.63	--	--	14				2.92	3.24	0.87	0.022	0.025
6-Aug	9.5	<0.01	0.120	0.21	--	--	17				3.24	6.50	0.95	0.023	0.026
7-Aug	9.5	<0.01	0.120	0.21	--	--	18				6.50	2.49	1.11	0.024	0.027
8-Aug	9.3	<0.01	0.120	0.21	--	--	19				2.49	2.95	1.18	0.025	0.028
9-Aug	9.3	<0.01	0.120	0.21	7.34	--	20				2.95	2.82	1.25	0.027	0.029
10-Aug	9.3	<0.01	0.360	0.63	--	--	21				2.82	2.89	1.32	0.030	0.033
13-Aug	9.3	<0.01	0.120	0.21	--	--	24				2.89	5.50	1.39	0.032	0.034
14-Aug	9.4	<0.01	0.120	0.21	--	--	25				5.50	2.03	1.53	0.033	0.035
15-Aug	9.3	<0.01	0.120	0.21	--	--	26				2.03	3.04	1.58	0.034	0.036
16-Aug	9.3	<0.01	0.210	0.21	6.4	--	27				3.04	2.53	1.66	0.035	0.038
17-Aug	9.3	<0.01	0.630	0.63	--	--	28				2.53	3.25	1.72	0.039	0.043
20-Aug	9.2	<0.01	0.210	0.21	--	--	31				3.25	5.03	1.81	0.040	0.045
21-Aug	9.2	<0.01	0.210	0.21	--	--	32				5.03	3.07	1.93	0.041	0.047
22-Aug	9.2	<0.01	0.210	0.21	--	--	33				3.07	2.77	2.01	0.042	0.049
23-Aug	9.1	<0.01	0.210	0.21	5.83	--	34				2.77	4.20	2.08	0.044	0.051
24-Aug	9.1	<0.01	0.630	0.63	--	--	35				4.20	4.22	2.19	0.047	0.056
27-Aug	9.1	<0.01	0.210	0.21	--	--	38				4.22	4.21	2.29	0.049	0.058
28-Aug	9.2	<0.01	0.210	0.21	--	--	39				4.21	3.86	2.40	0.050	0.060
29-Aug	9.0	<0.01	0.210	0.21	2.13	--	40				3.86	3.89	2.50	0.051	0.062
31-Aug	9.2	<0.01	0.630	0.63	--	--	42				3.89	4.93	2.60	0.055	0.067
4-Sep	9.1	<0.01	0.210	0.21	--	--	46				4.93	4.86	2.72	0.056	0.069
6-Sep	9.0	<0.01	0.630	0.63	1.04	--	48				4.86	4.31	2.84	0.059	0.075
10-Sep	9.0	<0.01	0.210	0.21	--	--	52				4.31	4.56	2.95	0.061	0.077
12-Sep	9.0	<0.01	0.210	0.21	0.88	--	54				4.56	4.32	3.07	0.062	0.078
14-Sep	8.9	<0.01	0.630	0.63	--	--	56				4.32	4.01	3.18	0.066	0.084
17-Sep	9.0	<0.01	0.210	0.21	0.73	--	59				4.01	4.09	3.28	0.067	0.086
19-Sep	9.0	<0.01	0.210	0.21	--	--	61				4.09	3.60	3.38	0.068	0.088
21-Sep	9.0	<0.01	0.630	0.63	--	--	63				3.60	3.81	3.47	0.072	0.093
24-Sep	9.0	<0.01	0.210	0.21	0.16	--	66				3.81	3.93	3.57	0.073	0.095
26-Sep	8.9	<0.01	0.210	0.21	--	--	68				3.93	3.56	3.67	0.074	0.097
2-Oct	8.9	<0.01	--	--	0.16	0.44	74				3.56	4.23	3.76	0.074	0.097
1-Nov	--	<0.01	--	--	--	--	104	3,000			0.00	0.00	3.83	0.074	0.097
2-Nov	9.2	<0.01	--	--	0.21	--	105	2,100			0.00	1.39	3.88	0.074	0.097
5-Nov	9.1	<0.01	--	--	0.62	--	108	0			1.39	4.32	3.92	0.074	0.097
6-Nov	9.1	<0.01	--	--	0.21	--	109	0			4.32	3.35	4.03	0.074	0.097
7-Nov	9.0	<0.01	--	--	0.10	--	110	650			3.35	2.87	4.13	0.074	0.097
8-Nov	9.0	<0.01	--	--	0.05	--	111	590			2.87	2.97	4.22	0.074	0.097
9-Nov	8.9	<0.01	--	--	0.05	--	112	770			2.97	2.77	4.31	0.074	0.097

Table 6-77.
Eagle Gold Project
KCA Test No. 63310
Hydrogen Peroxide Detoxification Solution Analyses

		63310 Detox Post Peroxide (2, Aug)	63310 Final Detox	63310 (29, Oct) Rinse D.I. Water	63310 (30, Oct) Rinse D.I. Water	63310 (31, Oct) Rinse D.I. Water	63310 Final Rinse (2, Nov) D.I. Water
	WET Lab No.:	1208037	1210173	1210590	1210590	1211029	1211030
	Report Date:	17-Aug-12	24-Oct-12	31-Oct-12	31-Oct-12	6-Nov-12	11-Nov-12
Constituent	Unit						
pH	pH Units	--	8.85	--	--	--	8.56
Acidity (Titrimetric)	mg/L as CaCO ₃	--	-104	--	--	--	-188
Bicarbonate (HCO ₃)	mg/L	--	690	--	--	--	550
Carbonate (CO ₃)	mg/L	--	58	--	--	--	14
Hydroxide (OH)	mg/L	--	<1.0	--	--	--	<1.0
Total Alkalinity	mg/L as CaCO ₃	--	660	--	--	--	470
Redox Potential	mV	--	250	--	--	--	280
Total Kjeldahl Nitrogen	mg/L	100	23	--	--	--	13
Total Nitrogen	mg/L	140	260	--	--	--	130
Total Dissolved Solids (TDS)	mg/L	--	4100	--	--	--	1600
Electrical Conductivity	µmhos/cm	--	5600	--	--	--	2400
Chloride	mg/L	--	45	--	--	--	9.1
Fluoride	mg/L	--	3.6	--	--	--	2.1
Sulfate	mg/L	--	1000	--	--	--	220
Nitrate Nitrogen	mg/L	32	250	--	--	--	110
Nitrite Nitrogen	mg/L	3.1	4.0	--	--	--	
Aluminum	mg/L	5.6	1.3	--	--	--	0.74
Barium	mg/L	0.068	0.038	--	--	--	0.016
Beryllium	mg/L	<0.0010	<0.0010	--	--	--	<0.0010
Bismuth	mg/L	<0.10	<0.10	--	--	--	<0.10
Boron	mg/L	0.19	0.18	--	--	--	0.11
Cadmium	mg/L	0.0012	<0.0010	--	--	--	<0.0010
Calcium	mg/L	17	14	--	--	--	6.7
Chromium	mg/L	0.0093	<0.0050	--	--	--	<0.0050
Cobalt	mg/L	0.41	0.57	--	--	--	0.10
Copper	mg/L	0.15	0.090	--	--	--	0.54
Gallium	mg/L	<0.10	<0.10	--	--	--	<0.10
Iron	mg/L	3.5	0.48	--	--	--	0.36
Lithium	mg/L	<0.10	<0.10	--	--	--	<0.10
Magnesium	mg/L	0.55	2.0	--	--	--	0.72
Manganese	mg/L	0.065	0.017	--	--	--	0.0093
Molybdenum	mg/L	0.18	0.27	--	--	--	0.059
Nickel	mg/L	<0.010	<0.010	--	--	--	<0.010
Phosphorus	mg/L	0.52	<0.50	--	--	--	<0.50
Potassium	mg/L	7.2	14	--	--	--	5.8
Scandium	mg/L	<0.10	<0.10	--	--	--	<0.10
Silver	mg/L	<0.0050	<0.0050	--	--	--	<0.0050
Sodium	mg/L	780	1200	--	--	--	500
Strontium	mg/L	0.25	0.46	--	--	--	0.15
Tin	mg/L	<0.10	<0.10	--	--	--	<0.10
Titanium	mg/L	0.25	<0.10	--	--	--	<0.10
Vanadium	mg/L	0.065	0.024	--	--	--	0.011
Zinc	mg/L	0.093	0.026	--	--	--	0.050
Mercury	mg/L	0.010	0.0057	--	--	--	0.0016
Antimony	mg/L	1.9	1.6	--	--	--	0.87
Arsenic	mg/L	18	5.4	--	--	--	4.1
Lead	mg/L	0.61	0.13	--	--	--	0.064
Selenium	mg/L	0.063	0.039	--	--	--	0.0085
Thallium	mg/L	<0.010	<0.0010	--	--	--	<0.0010
Anions	meq/L	--	53.4	--	--	--	22.3
Cations	meq/L	--	53.6	--	--	--	20.5
Error	%	--	<1.0	--	--	--	4.1
Cyanate	mg/L	140	19	--	--	--	7.1
Thiocyanate	mg/L	70	69	--	--	--	17
Ammonia, as Nitrogen	mg/L	99	26	2.3	2.4	1.1	0.95
Total Cyanide	mg/L	--	0.56	--	--	--	0.38
Cyanide, WAD	mg/L	--	0.13	--	--	--	0.047
Total Organic Carbon	mg/L	--	--	--	--	--	13.0

Table 6-78.
Eagle Gold Project
KCA Test No. 63313
Hydrogen Peroxide Detoxification Solution Analyses

		63313 Detox Post Peroxide (2, Aug)	63313 Final Detox	63313 (29, Oct) Rinse D.I. Water	63313 (30, Oct) Rinse D.I. Water	63313 (31, Oct) Rinse D.I. Water	63313 Final Rinse (2, Nov) D.I. Water
	WET Lab No.:	1208037	1210173	1210590	1210590	1211029	1211030
	Report Date:	17-Aug-12	24-Oct-12	31-Oct-12	31-Oct-12	6-Nov-12	11-Nov-12
Constituent	Unit						
pH	pH Units	--	9.12	--	--	--	8.80
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	-135
Bicarbonate (HCO ₃)	mg/L	--	710	--	--	--	530
Carbonate (CO ₃)	mg/L	--	110	--	--	--	33
Hydroxide (OH)	mg/L	--	<1.0	--	--	--	<1.0
Total Alkalinity	mg/L as CaCO ₃	--	770	--	--	--	490
Redox Potential	mV	--	--	--	--	--	280
Total Kjeldahl Nitrogen	mg/L	100	--	--	--	--	24
Total Nitrogen	mg/L	140	--	--	--	--	110
Total Dissolved Solids (TDS)	mg/L	--	--	--	--	--	1500
Electrical Conductivity	µmhos/cm	--	7600	--	--	--	2400
Chloride	mg/L	--	90	--	--	--	17
Fluoride	mg/L	--	3.6	--	--	--	3.1
Sulfate	mg/L	--	1400	--	--	--	310
Nitrate Nitrogen	mg/L	33	350	--	--	--	84
Nitrite Nitrogen	mg/L	1.9	0.61	--	--	--	
Aluminum	mg/L	5.9	0.93	--	--	--	0.88
Barium	mg/L	0.078	0.053	--	--	--	0.014
Beryllium	mg/L	<0.0010	<0.0010	--	--	--	<0.0010
Bismuth	mg/L	<0.10	<0.10	--	--	--	<0.10
Boron	mg/L	0.17	0.19	--	--	--	0.11
Cadmium	mg/L	0.0021	<0.0010	--	--	--	<0.0010
Calcium	mg/L	16	14	--	--	--	3.7
Chromium	mg/L	0.010	<0.0050	--	--	--	<0.0050
Cobalt	mg/L	0.42	0.66	--	--	--	0.13
Copper	mg/L	0.18	0.090	--	--	--	0.84
Gallium	mg/L	<0.10	<0.10	--	--	--	<0.10
Iron	mg/L	4.6	0.49	--	--	--	0.51
Lithium	mg/L	<0.10	<0.10	--	--	--	<0.10
Magnesium	mg/L	0.62	3.4	--	--	--	<0.50
Manganese	mg/L	0.085	0.015	--	--	--	0.011
Molybdenum	mg/L	0.20	0.32	--	--	--	0.071
Nickel	mg/L	<0.010	<0.010	--	--	--	<0.010
Phosphorus	mg/L	0.66	<0.50	--	--	--	<0.50
Potassium	mg/L	9.6	21	--	--	--	5.9
Scandium	mg/L	<0.10	<0.10	--	--	--	<0.10
Silver	mg/L	<0.0050	<0.0050	--	--	--	<0.0050
Sodium	mg/L	890	1800	--	--	--	480
Strontium	mg/L	0.25	0.63	--	--	--	<0.10
Tin	mg/L	<0.10	<0.10	--	--	--	<0.10
Titanium	mg/L	0.26	<0.10	--	--	--	<0.10
Vanadium	mg/L	0.083	0.024	--	--	--	0.026
Zinc	mg/L	0.14	0.031	--	--	--	0.027
Mercury	mg/L	0.0095	0.0040	--	--	--	<0.0010
Antimony	mg/L	2.0	2.0	--	--	--	0.91
Arsenic	mg/L	20	4.7	--	--	--	5.2
Lead	mg/L	0.62	0.081	--	--	--	0.073
Selenium	mg/L	0.067	0.044	--	--	--	0.020
Thallium	mg/L	<0.010	<0.0010	--	--	--	<0.0010
Anions	meq/L	--	72.2	--	--	--	22.9
Cations	meq/L	--	80.6	--	--	--	20.2
Error	%	--	5.5	--	--	--	6.2
Cyanate	mg/L	140	11	--	--	--	4.9
Thiocyanate	mg/L	68	93	--	--	--	20
Ammonia, as Nitrogen	mg/L	81	12	4.4	4.8	4.3	3.7
Total Cyanide	mg/L	--	--	--	--	--	1.1
Cyanide, WAD	mg/L	--	--	--	--	--	<0.025
Total Organic Carbon	mg/L	--	--	--	--	--	15.0

Table 6-79.
Eagle Gold Project
KCA Test No. 63316
Hydrogen Peroxide Detoxification Solution Analyses

		63316 Detox Post Peroxide (2, Aug)	63316 Final Detox	63316 (2, Nov) Rinse Mock Solution	63316 (5, Nov) Rinse Mock Solution	63316 (6, Nov) Rinse Mock Solution
	WET Lab No.:	1208037	1210173	1211029	1211083	1211083
	Report Date:	17-Aug-12	24-Oct-12	6-Nov-12	7-Nov-12	7-Nov-12
Constituent	Unit					
pH	pH Units	--	8.96	--	--	--
Acidity (Titrimetric)	mg/L as CaCO ₃	--	-111	--	--	--
Bicarbonate (HCO ₃)	mg/L	--	640	--	--	--
Carbonate (CO ₃)	mg/L	--	69	--	--	--
Hydroxide (OH)	mg/L	--	<1.0	--	--	--
Total Alkalinity	mg/L as CaCO ₃	--	640	--	--	--
Redox Potential	mV	--	180	--	--	--
Total Kjeldahl Nitrogen	mg/L	100	36	--	--	--
Total Nitrogen	mg/L	150	130	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	3900	--	--	--
Electrical Conductivity	µmhos/cm	--	5800	--	--	--
Chloride	mg/L	--	58	--	--	--
Fluoride	mg/L	--	4.3	--	--	--
Sulfate	mg/L	--	1200	--	--	--
Nitrate Nitrogen	mg/L	41	300	--	--	--
Nitrite Nitrogen	mg/L	2.0	5.1	--	--	--
Aluminum	mg/L	5.5	0.75	--	--	--
Barium	mg/L	0.079	0.027	--	--	--
Beryllium	mg/L	<0.0010	<0.0010	--	--	--
Bismuth	mg/L	<0.10	<0.10	--	--	--
Boron	mg/L	0.15	0.16	--	--	--
Cadmium	mg/L	0.0015	<0.0010	--	--	--
Calcium	mg/L	16	7.2	--	--	--
Chromium	mg/L	0.010	<0.0050	--	--	--
Cobalt	mg/L	0.40	0.48	--	--	--
Copper	mg/L	0.23	0.071	--	--	--
Gallium	mg/L	<0.10	<0.10	--	--	--
Iron	mg/L	3.9	0.43	--	--	--
Lithium	mg/L	<0.10	<0.10	--	--	--
Magnesium	mg/L	<2.5	1.6	--	--	--
Manganese	mg/L	0.068	0.011	--	--	--
Molybdenum	mg/L	0.18	0.24	--	--	--
Nickel	mg/L	<0.010	<0.010	--	--	--
Phosphorus	mg/L	0.70	<0.50	--	--	--
Potassium	mg/L	12	17	--	--	--
Scandium	mg/L	<0.10	<0.10	--	--	--
Silver	mg/L	<0.0050	<0.0050	--	--	--
Sodium	mg/L	880	1300	--	--	--
Strontium	mg/L	0.26	0.34	--	--	--
Tin	mg/L	<0.10	<0.10	--	--	--
Titanium	mg/L	0.27	<0.10	--	--	--
Vanadium	mg/L	0.096	0.029	--	--	--
Zinc	mg/L	0.13	0.017	--	--	--
Mercury	mg/L	0.0090	0.0041	--	--	--
Antimony	mg/L	2.0	1.7	--	--	--
Arsenic	mg/L	19	5.1	--	--	--
Lead	mg/L	0.57	0.054	--	--	--
Selenium	mg/L	0.062	0.038	--	--	--
Thallium	mg/L	<0.010	<0.0010	--	--	--
Anions	meq/L	--	61.1	--	--	--
Cations	meq/L	--	59.2	--	--	--
Error	%	--	1.6	--	--	--
Cyanate	mg/L	170	31	--	--	--
Thiocyanate	mg/L	66	59	--	--	--
Ammonia, as Nitrogen	mg/L	91	29	15	12	11
Total Cyanide	mg/L	--	--	--	--	--
Cyanide, WAD	mg/L	--	0.083	--	--	--
Silicon	mg/L	--	--	--	--	--
Uranium	mg/L	--	--	--	--	--

Table 6-80.
Eagle Gold Project
KCA Test No. 63316
Hydrogen Peroxide Detoxification Solution Analyses (continued)

		63316 (7, Nov) Rinse Mock Solution	63316 (8, Nov) Rinse Mock Solution	63316 (9, Nov) Rinse Mock Solution	63316 Final Rinse (9, Nov) Mock Solution
	WET Lab No.:	1211173	1211173	1211173	1211243
	Report Date:	12-Nov-12	12-Nov-12	12-Nov-12	28-Nov-12
Constituent	Unit				
pH	pH Units	--	--	--	8.68
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	-158
Bicarbonate (HCO ₃)	mg/L	--	--	--	680
Carbonate (CO ₃)	mg/L	--	--	--	36
Hydroxide (OH)	mg/L	--	--	--	<1.0
Total Alkalinity	mg/L as CaCO ₃	--	--	--	620
Redox Potential	mV	--	--	--	300
Total Kjeldahl Nitrogen	mg/L	--	--	--	30
Total Nitrogen	mg/L	--	--	--	31
Total Dissolved Solids (TDS)	mg/L	--	--	--	2800
Electrical Conductivity	µmhos/cm	--	--	--	4200
Chloride	mg/L	--	--	--	79
Fluoride	mg/L	--	--	--	2.2
Sulfate	mg/L	--	--	--	1000
Nitrate Nitrogen	mg/L	--	--	--	58
Nitrite Nitrogen	mg/L	--	--	--	1.8
Aluminum	mg/L	--	--	--	1.7
Barium	mg/L	--	--	--	0.040
Beryllium	mg/L	--	--	--	<0.0004
Bismuth	mg/L	--	--	--	<0.075
Boron	mg/L	--	--	--	0.11
Cadmium	mg/L	--	--	--	<0.0002
Calcium	mg/L	--	--	--	24
Chromium	mg/L	--	--	--	0.0026
Cobalt	mg/L	--	--	--	0.095
Copper	mg/L	--	--	--	2.9
Gallium	mg/L	--	--	--	<0.020
Iron	mg/L	--	--	--	0.92
Lithium	mg/L	--	--	--	0.02
Magnesium	mg/L	--	--	--	1.2
Manganese	mg/L	--	--	--	0.028
Molybdenum	mg/L	--	--	--	0.068
Nickel	mg/L	--	--	--	0.004
Phosphorus	mg/L	--	--	--	0.57
Potassium	mg/L	--	--	--	12
Scandium	mg/L	--	--	--	0.0010
Silver	mg/L	--	--	--	0.0008
Sodium	mg/L	--	--	--	1000
Strontium	mg/L	--	--	--	0.43
Tin	mg/L	--	--	--	<0.010
Titanium	mg/L	--	--	--	0.04
Vanadium	mg/L	--	--	--	0.034
Zinc	mg/L	--	--	--	0.087
Mercury	mg/L	--	--	--	<0.0007
Antimony	mg/L	--	--	--	0.99
Arsenic	mg/L	--	--	--	7.3
Lead	mg/L	--	--	--	0.18
Selenium	mg/L	--	--	--	0.019
Thallium	mg/L	--	--	--	<0.0002
Anions	meq/L	--	--	--	--
Cations	meq/L	--	--	--	--
Error	%	--	--	--	--
Cyanate	mg/L	--	--	--	2.5
Thiocyanate	mg/L	--	--	--	18
Ammonia, as Nitrogen	mg/L	5.2	5.9	5.9	13
Total Cyanide	mg/L	--	--	--	0.60
Cyanide, WAD	mg/L	--	--	--	0.040
Silicon	mg/L	--	--	--	17
Uranium	mg/L	--	--	--	0.24

Table 6-81.
Eagle Gold Project
KCA Test No. 63322
Hydrogen Peroxide Detoxification Solution Analyses

Constituent	Unit	63322 Detox Post Peroxide (2, Aug)	63322 Final Detox	63322 (2, Nov) Rinse Mock Solution	63322 (5, Nov) Rinse Mock Solution	63322 (6, Nov) Rinse Mock Solution
	WET Lab No.:	1208037	1210042	1211029	1211083	1211083
	Report Date:	17-Aug-12	24-Oct-12	6-Nov-12	7-Nov-12	7-Nov-12
Constituent	Unit					
pH	pH Units	--	8.80	--	--	--
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	--	590	--	--	--
Carbonate (CO ₃)	mg/L	--	32	--	--	--
Hydroxide (OH)	mg/L	--	<1.0	--	--	--
Total Alkalinity	mg/L as CaCO ₃	--	540	--	--	--
Redox Potential	mV	--	--	--	--	--
Total Kjeldahl Nitrogen	mg/L	85	100	--	--	--
Total Nitrogen	mg/L	130	310	--	--	--
Total Dissolved Solids (TDS)	mg/L	--	3500	--	--	--
Electrical Conductivity	µmhos/cm	--	--	--	--	--
Chloride	mg/L	--	560	--	--	--
Fluoride	mg/L	--	1.8	--	--	--
Sulfate	mg/L	--	470	--	--	--
Nitrate Nitrogen	mg/L	36	240	--	--	--
Nitrite Nitrogen	mg/L	4.1	--	--	--	--
Aluminum	mg/L	1.4	0.15	--	--	--
Barium	mg/L	0.025	0.022	--	--	--
Beryllium	mg/L	<0.0010	<0.0010	--	--	--
Bismuth	mg/L	<0.10	<0.10	--	--	--
Boron	mg/L	0.22	0.25	--	--	--
Cadmium	mg/L	<0.0010	<0.0010	--	--	--
Calcium	mg/L	11	11	--	--	--
Chromium	mg/L	0.0055	<0.0050	--	--	--
Cobalt	mg/L	0.18	0.19	--	--	--
Copper	mg/L	7.0	0.078	--	--	--
Gallium	mg/L	<0.10	<0.10	--	--	--
Iron	mg/L	1.2	0.16	--	--	--
Lithium	mg/L	0.12	0.22	--	--	--
Magnesium	mg/L	0.58	3.7	--	--	--
Manganese	mg/L	0.016	<0.0050	--	--	--
Molybdenum	mg/L	0.10	0.12	--	--	--
Nickel	mg/L	0.18	<0.010	--	--	--
Phosphorus	mg/L	0.56	<0.50	--	--	--
Potassium	mg/L	9.3	16	--	--	--
Scandium	mg/L	<0.10	<0.10	--	--	--
Silver	mg/L	0.0053	<0.0050	--	--	--
Sodium	mg/L	860	1500	--	--	--
Strontium	mg/L	0.20	0.40	--	--	--
Tin	mg/L	<0.10	<0.10	--	--	--
Titanium	mg/L	<0.10	<0.10	--	--	--
Vanadium	mg/L	0.058	0.016	--	--	--
Zinc	mg/L	0.067	<0.010	--	--	--
Mercury	mg/L	0.0073	0.0023	--	--	--
Antimony	mg/L	0.74	0.63	--	--	--
Arsenic	mg/L	11	2.7	--	--	--
Lead	mg/L	0.19	0.018	--	--	--
Selenium	mg/L	0.045	<0.0050	--	--	--
Thallium	mg/L	<0.010	<0.0010	--	--	--
Anions	meq/L	--	53.6	--	--	--
Cations	meq/L	--	71.9	--	--	--
Error	%	--	15	--	--	--
Cyanate	mg/L	170	170	--	--	--
Thiocyanate	mg/L	82	45	--	--	--
Ammonia, as Nitrogen	mg/L	81	97	49	14	15
Total Cyanide	mg/L	--	0.38	--	--	--
Cyanide, WAD	mg/L	--	0.19	--	--	--
Silicon	mg/L	--	--	--	--	--
Uranium	mg/L	--	--	--	--	--

Table 6-82.
Eagle Gold Project
KCA Test No. 63322
Hydrogen Peroxide Detoxification Solution Analyses (continued)

Constituent	Unit	63322 (7, Nov) Rinse Mock Solution	63322 (8, Nov) Rinse Mock Solution	63322 (9, Nov) Rinse Mock Solution	63322 Final Rinse (9, Nov) Mock Solution
	WET Lab No.:	1211173	1211173	1211173	1211243
	Report Date:	12-Nov-12	12-Nov-12	12-Nov-12	28-Nov-12
Constituent	Unit				
pH	pH Units	--	--	--	8.77
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	-179
Bicarbonate (HCO ₃)	mg/L	--	--	--	740
Carbonate (CO ₃)	mg/L	--	--	--	50
Hydroxide (OH)	mg/L	--	--	--	<1.0
Total Alkalinity	mg/L as CaCO ₃	--	--	--	690
Redox Potential	mV	--	--	--	250
Total Kjeldahl Nitrogen	mg/L	--	--	--	29
Total Nitrogen	mg/L	--	--	--	31
Total Dissolved Solids (TDS)	mg/L	--	--	--	2900
Electrical Conductivity	µmhos/cm	--	--	--	4500
Chloride	mg/L	--	--	--	160
Fluoride	mg/L	--	--	--	1.5
Sulfate	mg/L	--	--	--	1000
Nitrate Nitrogen	mg/L	--	--	--	33
Nitrite Nitrogen	mg/L	--	--	--	1.8
Aluminum	mg/L	--	--	--	0.94
Barium	mg/L	--	--	--	0.035
Beryllium	mg/L	--	--	--	<0.0004
Bismuth	mg/L	--	--	--	<0.075
Boron	mg/L	--	--	--	0.20
Cadmium	mg/L	--	--	--	<0.0002
Calcium	mg/L	--	--	--	31
Chromium	mg/L	--	--	--	0.0030
Cobalt	mg/L	--	--	--	0.043
Copper	mg/L	--	--	--	1.3
Gallium	mg/L	--	--	--	<0.020
Iron	mg/L	--	--	--	0.78
Lithium	mg/L	--	--	--	0.19
Magnesium	mg/L	--	--	--	3.6
Manganese	mg/L	--	--	--	0.030
Molybdenum	mg/L	--	--	--	0.024
Nickel	mg/L	--	--	--	0.009
Phosphorus	mg/L	--	--	--	0.32
Potassium	mg/L	--	--	--	12
Scandium	mg/L	--	--	--	<0.0010
Silver	mg/L	--	--	--	0.0027
Sodium	mg/L	--	--	--	1000
Strontium	mg/L	--	--	--	0.57
Tin	mg/L	--	--	--	<0.010
Titanium	mg/L	--	--	--	0.02
Vanadium	mg/L	--	--	--	0.021
Zinc	mg/L	--	--	--	0.075
Mercury	mg/L	--	--	--	<0.0007
Antimony	mg/L	--	--	--	0.47
Arsenic	mg/L	--	--	--	3.3
Lead	mg/L	--	--	--	0.090
Selenium	mg/L	--	--	--	0.010
Thallium	mg/L	--	--	--	<0.0002
Anions	meq/L	--	--	--	--
Cations	meq/L	--	--	--	--
Error	%	--	--	--	--
Cyanate	mg/L	--	--	--	28
Thiocyanate	mg/L	--	--	--	9.0
Ammonia, as Nitrogen	mg/L	1.5	<1.2	<1.2	13
Total Cyanide	mg/L	--	--	--	0.34
Cyanide, WAD	mg/L	--	--	--	0.090
Silicon	mg/L	--	--	--	16
Uranium	mg/L	--	--	--	0.17

Table 6-83.
Eagle Gold Project
Tetra Tech Composite Solution Analyses

		KCA Sample No. 63593
	WET Lab No.:	1212326
	Report Date:	20-Dec-12
Constituent	Unit	
Cyanate	mg/L	0.71
Thiocyanate	mg/L	1.6
Ammonia, as Nitrogen	mg/L	0.87
pH	pH Units	5.87
Acidity (Titrimetric)	mg/L as CaCO ₃	10
Bicarbonate (HCO ₃)	mg/L	1.7
Carbonate (CO ₃)	mg/L	<1.0
Hydroxide (OH)	mg/L	<1.0
Total Alkalinity	mg/L as CaCO ₃	1.4
Redox Potential	mV	490
Total Phosphorous as P	mg/L	0.021
Chloride	mg/L	1600
Fluoride	mg/L	<1.0
Sulfate	mg/L	280
Nitrate Nitrogen	mg/L	18
Nitrite Nitrogen	mg/L	<0.25
Total Kjeldahl Nitrogen	mg/L	4.8
Total Dissolved Solids (TDS)	mg/L	3200
WAD Cyanide	mg/L	<0.010
Electrical Conductivity	µmhos/cm	5900
Aluminum	mg/L	<0.045
Barium	mg/L	<0.010
Beryllium	mg/L	<0.0010
Bismuth	mg/L	<0.10
Boron	mg/L	0.12
Cadmium	mg/L	<0.0010
Calcium	mg/L	150
Chromium	mg/L	<0.0050
Cobalt	mg/L	<0.010
Copper	mg/L	<0.050
Gallium	mg/L	<0.10
Iron	mg/L	0.021
Lithium	mg/L	<0.10
Magnesium	mg/L	4.9
Manganese	mg/L	<0.0050
Molybdenum	mg/L	<0.010
Nickel	mg/L	0.023
Potassium	mg/L	8.9
Scandium	mg/L	<0.10
Silver	mg/L	<0.0050
Sodium	mg/L	1100
Strontium	mg/L	0.11
Tin	mg/L	<0.10
Titanium	mg/L	<0.10
Vanadium	mg/L	<0.010
Zinc	mg/L	0.018
Mercury	mg/L	<0.00010
Antimony	mg/L	0.0058
Arsenic	mg/L	0.0071
Lead	mg/L	<0.0025
Selenium	mg/L	<0.0050
Thallium	mg/L	<0.0010
Uranium	mg/L	<0.0050

Table 6-84.
Eagle Gold Project
KCA Mock Solution Generation

Mock Solution - Chemical Additions			
Salt Type	Target Concentration, mg/L	Total Solution Volume, (D.I. Water) L	Salt Added, gms
NaCl	106	100	10.637
Na ₂ SO ₄	1922	100	192.184
NaHCO ₃	964	100	96.356
CaCl ₂	55	100	5.549

Table 6-85.
Eagle Gold Project
Summary of Mock Solution Analyses

	Target, mg/L	WETLAB Reported, mg/L	SEM Reported, mg/L
Cl	100	91	94
SO ₄	1300	600	800
Ca	20	18	20
Na	928	460	700
HCO ₃	700	450	561
Anions	41.4	22.5	--
Cations	41.4	20	--
TDS	3048	1500	1800

Note: KCA total salt added (3047 mg/L)

Table 6-86.
Eagle Gold Project
Mock Solution Analyses

WETLAB Analyses		
		KCA Sample No. 65907
	Report No.:	WETLAB: 1211030
	Report Date:	11-Nov-12
Constituent	Unit	
Cyanate	mg/L	4.4
Thiocyanate	mg/L	3.7
Ammonia, as Nitrogen	mg/L	0.24
pH	pH Units	8.25
Acidity (Titrimetric)	mg/L as CaCO ₃	-88
Bicarbonate (HCO ₃)	mg/L	450
Carbonate (CO ₃)	mg/L	<1.0
Hydroxide (OH)	mg/L	<1.0
Total Alkalinity	mg/L as CaCO ₃	370
Redox Potential	mV	220
Chloride	mg/L	91
Fluoride	mg/L	<1.0
Sulfate	mg/L	600
Nitrate + Nitrite Nitrogen	mg/L	1.1
Total Kjeldahl Nitrogen	mg/L	<0.50
Total Nitrogen	mg/L	<1.1
Total Cyanide	mg/L	<0.010
Total Dissolved Solids (TDS)	mg/L	1500
Electrical Conductivity	µmhos/cm	2300
Aluminum, Dissolved	mg/L	<0.045
Barium, Dissolved	mg/L	<0.010
Beryllium, Dissolved	mg/L	<0.0010
Bismuth, Dissolved	mg/L	<0.10
Boron, Dissolved	mg/L	<0.10
Calcium, Dissolved	mg/L	18
Chromium, Dissolved	mg/L	<0.0050
Cobalt, Dissolved	mg/L	<0.010
Gallium, Dissolved	mg/L	<0.10
Iron, Dissolved	mg/L	<0.010
Lithium, Dissolved	mg/L	<0.10
Magnesium, Dissolved	mg/L	<0.50
Manganese, Dissolved	mg/L	<0.0050
Molybdenum, Dissolved	mg/L	<0.010
Nickel, Dissolved	mg/L	<0.010
Phosphorus, Dissolved	mg/L	<0.50
Potassium, Dissolved	mg/L	<0.50
Scandium, Dissolved	mg/L	<0.10
Silver, Dissolved	mg/L	<0.0050
Sodium, Dissolved	mg/L	460
Strontium, Dissolved	mg/L	<0.10
Tin, Dissolved	mg/L	<0.10
Titanium, Dissolved	mg/L	<0.10
Vanadium, Dissolved	mg/L	<0.010
Zinc, Dissolved	mg/L	<0.010
Mercury, Dissolved	mg/L	<0.00010
Antimony, Dissolved	mg/L	0.010
Arsenic, Dissolved	mg/L	0.067
Cadmium, Dissolved	mg/L	<0.0010
Copper, Dissolved	mg/L	0.12
Lead, Dissolved	mg/L	0.0032
Selenium, Dissolved	mg/L	<0.0050
Thallium, Dissolved	mg/L	<0.0010
Anions	meq/L	22.5
Cations	meq/L	20.0
Error	%	5.8
Total Organic Carbon (TOC)	mg/L	3.0
WAD Cyanide	mg/L	<0.025

SEM Analyses		
		KCA Sample No. 65907
	Report No.:	SEM: 124853
	Report Date:	4-Dec-12
Constituent	Unit	
Alkalinity, Total	mg/L CaCO ₃	470
Alkalinity/Bicarbonate	mg/L CaCO ₃	460
Alkalinity/Carbonate	mg/L CaCO ₃	10
Alkalinity/Hydroxide	mg/L CaCO ₃	<2
Aluminum - ICP-OES	mg/L	<0.05
Ammonia-N	mg/L N	<0.1
Antimony - ICP-MS	mg/L	<0.004
Arsenic - ICP-MS	mg/L	<0.004
Barium - ICP-MS	mg/L	<0.004
Beryllium - ICP-MS	mg/L	<0.004
Bismuth - ICP-OES	mg/L	<0.1
Boron - ICP-OES	mg/L	<0.05
Cadmium - ICP-MS	mg/L	<0.004
Calcium - ICP-OES	mg/L	20
Chloride - Ion Chrom.	mg/L	94
Chromium - ICP-MS	mg/L	<0.004
Cobalt - ICP-MS	mg/L	<0.004
Copper - ICP-MS	mg/L	<0.004
Cyanate - Ion Chrom.	mg/L	<2.5
Fluoride - Ion Chrom.	mg/L	<0.1
Gallium - ICP-OES	mg/L	<0.1
Iron - ICP-OES	mg/L	<0.05
Lanthanum - ICP-OES	mg/L	<0.05
Lead - ICP-MS	mg/L	<0.004
Lithium - ICP-OES	mg/L	<0.1
Magnesium - ICP-OES	mg/L	<0.5
Manganese - ICP-MS	mg/L	<0.004
Mercury - AA Cold Vapor	mg/L	<0.0002
Molybdenum - ICP-MS	mg/L	<0.004
Nickel - ICP-MS	mg/L	<0.004
Nitrate-N - Ion Chrom.	mg/L N	<0.05
pH	pH Units	8.36
pH - Temperature	°C	20.3
Phosphorus - total	mg/L	<0.02
Potassium - ICP-OES	mg/L	<0.5
Scandium - ICP-OES	mg/L	<0.05
Selenium - ICP-MS	mg/L	<0.02
Silver - ICP-MS	mg/L	<0.004
Sodium - ICP-OES	mg/L	700
Strontium - ICP-OES	mg/L	<0.05
Sulfate - Ion Chrom.	mg/L	800
Thallium - ICP-MS	mg/L	<0.002
Thiocyanate	mg/L	<0.5
Tin - ICP-OES	mg/L	<0.1
Titanium - ICP-OES	mg/L	<0.05
Total Dissolved Solids	mg/L	1800
Vanadium - ICP-MS	mg/L	<0.004
Zinc - ICP-MS	mg/L	0.05

6.5 Humidity Cell Test Work

Humidity cell test work was conducted on the detoxified tailings material from select column leach tests (KCA Test Nos. 63301, 63310, 63313, 63316 and 63322).

The procedure utilized for the humidity cell test work was modified from the ASTM standard procedure (D-5744). Each test was conducted in the original leach test column (152 millimeter diameter) utilizing the entire amount of detoxified sample material (39.20 to 39.40 kilograms). The top of each column was covered loosely to prevent excessive loss of moist air. The material in each column (p80 6.3 millimeters) was not flooded and drained according to standard ASTM procedure; instead solution was applied to the top of each column and allowed to percolate through the sample material.

A summary of the humidity cell tests is presented in Table 6-87.

Table 6-87.
Eagle Gold Project
Summary of Humidity Cell Tests

KCA Sample No.	KCA Test No.	Description	Detox Type	Test Temp., °C	Date Started	Date Ended	Total Days
48158	63301	Env. Comp. (Detoxified Tailings)	Bacterial	22	3-Dec-12	16-Sep-13	287
48158	63310	Env. Comp. (Detoxified Tailings)	Hydrogen Peroxide	22	11-Nov-12	7-Dec-12	26
48158	63313	Env. Comp. (Detoxified Tailings)	Hydrogen Peroxide	22	11-Nov-12	7-Dec-12	26
48158	63316	Env. Comp. (Detoxified Tailings)	Hydrogen Peroxide	22	17-Nov-12	16-Sep-13	303
48158	63322	Env. Comp. (Detoxified Tailings)	Hydrogen Peroxide	3	17-Nov-12	16-Sep-13	303

Each humidity cell test was conducted and sampled in weekly cycles. For each weekly cycle, moist air (30°C) was first pumped up through the detoxified tailings material for a period of four (4) days at a target rate of 5 liters per minute. The moist air was then stopped, and distilled water was applied to the top of the column with a peristaltic pump for one day and then allowed to drain down for two (2) days. The moist air was then started again for the next weekly cycle.

For the first two (2) weekly cycles, a total of 5 liters of distilled water was applied to the humidity cell column over a 24 hour period. The following weekly cycles utilized a total of 3 liters of distilled water applied over a 24 hour period.

A total of two (2) liters of the drain down solution was sampled at the end of each weekly cycle and submitted to WETLAB for a Profile II analysis. The solution submitted to WETLAB consisted of one liter of “raw” solution, and one liter of solution preserved with NaOH. The remainder of the drain down solution was stored.

From 6 May 2013 to the end of each test, samples were submitted to WETLAB for Profile II analysis every other week. The weekly samples not submitted for analysis were stored at KCA.

At the end of each humidity cell test, the solution was allowed to drain and the tailings material was prepared for analyses.

For select humidity cell tests (KCA Test Nos. 63301, 63316 and 63322), the tailings material was sampled in 20 centimeter intervals (from the top down) utilizing a clean vacuum apparatus. The interval samples were individually bagged, sealed and labeled. On 21 October 2013 the interval tailings material was shipped to SGS Mineral Services in Burnaby, Canada for analyses. The test work conducted by SGS Mineral Services is not included in this report.

For the remaining humidity cell tests (KCA Test Nos. 63310 and 63313), the tailings material was utilized for a tail screen analysis with assays by size fraction and compacted permeability test work.

Summaries of the sampled solutions from each humidity cell test are presented in Tables 6-88 through 6-92.

The individual results from the Profile II analyses are presented in Tables 6-93 through 6-108.

Table 6-88.
Eagle Gold Project
KCA Test No. 63301
Humidity Cell Test
Summary of Sampled Solutions

KCA Test No.	Solution Description	Sample Date	Solution Type	WETLAB Job No.	Notes
63301	Weekly HCT	10-Dec-12	Raley's D.I. Water	1212169	Profile ll suite.
63301	Weekly HCT	17-Dec-12	Raley's D.I. Water	1212310	Profile ll suite.
63301	Weekly HCT	24-Dec-12	Raley's D.I. Water	1212518	Profile ll suite.
63301	Weekly HCT	31-Dec-12	Raley's D.I. Water	1301003	Profile ll suite.
63301	Weekly HCT	7-Jan-13	Raley's D.I. Water	1301079	Profile ll suite.
63301	Weekly HCT	14-Jan-13	Raley's D.I. Water	1301186	Profile ll suite.
63301	Weekly HCT	21-Jan-13	Raley's D.I. Water	1301295	Profile ll suite.
63301	Weekly HCT	28-Jan-13	Raley's D.I. Water	1301402	Profile ll suite.
63301	Weekly HCT	4-Feb-13	Raley's D.I. Water	1302024	Profile ll suite.
63301	Weekly HCT	11-Feb-13	Raley's D.I. Water	1302163	Profile ll suite.
63301	Weekly HCT	18-Feb-13	Raley's D.I. Water	1302292	Profile ll suite.
63301	Weekly HCT	25-Feb-13	Raley's D.I. Water	1302382	Profile ll suite.
63301	Weekly HCT	4-Mar-13	Raley's D.I. Water	1303031	Profile ll suite.
63301	Weekly HCT	11-Mar-13	Raley's D.I. Water	1303185	Profile ll suite.
63301	Weekly HCT	18-Mar-13	Raley's D.I. Water	1303326	Profile ll suite.
63301	Weekly HCT	25-Mar-13	Raley's D.I. Water	1303472	Profile ll suite.
63301	Weekly HCT	1-Apr-13	Raley's D.I. Water	1304011	Profile ll suite.
63301	Weekly HCT	8-Apr-13	Raley's D.I. Water	1304141	Profile ll suite.
63301	Weekly HCT	15-Apr-13	Raley's D.I. Water	1304261	Profile ll suite.
63301	Weekly HCT	22-Apr-13	Raley's D.I. Water	1304391	Profile ll suite.
63301	Bi-weekly HCT	6-May-13	Raley's D.I. Water	1305109	Profile ll suite.
63301	Bi-weekly HCT	20-May-13	Raley's D.I. Water	1305401	Profile ll suite.
63301	Bi-weekly HCT	3-Jun-13	Raley's D.I. Water	1306005	Profile ll suite.
63301	Bi-weekly HCT	17-Jun-13	Raley's D.I. Water	1306373	Profile ll suite.
63301	Bi-weekly HCT	1-Jul-13	Raley's D.I. Water	1307018	Profile ll suite.
63301	Bi-weekly HCT	15-Jul-13	Raley's D.I. Water	1307323	Profile ll suite.
63301	Bi-weekly HCT	29-Jul-13	Raley's D.I. Water	1307665	Profile ll suite.
63301	Bi-weekly HCT	12-Aug-13	Raley's D.I. Water	1308215	Profile ll suite.
63301	Bi-weekly HCT	26-Aug-13	Raley's D.I. Water	1308505	Profile ll suite.
63301	Bi-weekly HCT	9-Sep-13	Raley's D.I. Water	1309142	Profile ll suite. End HCT

Table 6-89.
Eagle Gold Project
KCA Test No. 63310
Humidity Cell Test
Summary of Sampled Solutions

KCA Test No.	Solution Description	Sample Date	Solution Type	WETLAB Job No.	Notes
63310	Weekly HCT	13-Nov-12	Raley's D.I. Water	1211242	Profile ll suite.
63310	Weekly HCT	19-Nov-12	Raley's D.I. Water	1211340	Profile ll suite.
63310	Weekly HCT	26-Nov-12	Raley's D.I. Water	1211413	Profile ll suite.
63310	Weekly HCT	3-Dec-12	Raley's D.I. Water	1212011	Profile ll suite. End HCT

Table 6-90.
Eagle Gold Project
KCA Test No. 63313
Humidity Cell Test
Summary of Sampled Solutions

KCA Test No.	Solution Description	Sample Date	Solution Type	WETLAB Job No.	Notes
63313	Weekly HCT	13-Nov-12	Raley's D.I. Water	1211242	Profile ll suite.
63313	Weekly HCT	19-Nov-12	Raley's D.I. Water	1211340	Profile ll suite.
63313	Weekly HCT	26-Nov-12	Raley's D.I. Water	1211413	Profile ll suite.
63313	Weekly HCT	3-Dec-12	Raley's D.I. Water	1212011	Profile ll suite. End HCT

Table 6-91.
Eagle Gold Project
KCA Test No. 63316
Humidity Cell Test
Summary of Sampled Solutions

KCA Test No.	Solution Description	Sample Date	Solution Type	WETLAB Job No.	Notes
63316	Weekly HCT	19-Nov-12	Raley's D.I. Water	1211340	Profile ll suite.
63316	Weekly HCT	26-Nov-12	Raley's D.I. Water	1211413	Profile ll suite.
63316	Weekly HCT	3-Dec-12	Raley's D.I. Water	1212011	Profile ll suite.
63316	Weekly HCT	10-Dec-12	Raley's D.I. Water	1212169	Profile ll suite.
63316	Weekly HCT	17-Dec-12	Raley's D.I. Water	1212310	Profile ll suite.
63316	Weekly HCT	24-Dec-12	Raley's D.I. Water	1212518	Profile ll suite.
63316	Weekly HCT	31-Dec-12	Raley's D.I. Water	1301003	Profile ll suite.
63316	Weekly HCT	7-Jan-13	Raley's D.I. Water	1301079	Profile ll suite.
63316	Weekly HCT	14-Jan-13	Raley's D.I. Water	1301186	Profile ll suite.
63316	Weekly HCT	21-Jan-13	Raley's D.I. Water	1301295	Profile ll suite.
63316	Weekly HCT	28-Jan-13	Raley's D.I. Water	1301402	Profile ll suite.
63316	Weekly HCT	4-Feb-13	Raley's D.I. Water	1302024	Profile ll suite.
63316	Weekly HCT	11-Feb-13	Raley's D.I. Water	1302163	Profile ll suite.
63316	Weekly HCT	18-Feb-13	Raley's D.I. Water	1302292	Profile ll suite.
63316	Weekly HCT	25-Feb-13	Raley's D.I. Water	1302382	Profile ll suite.
63316	Weekly HCT	4-Mar-13	Raley's D.I. Water	1303031	Profile ll suite.
63316	Weekly HCT	11-Mar-13	Raley's D.I. Water	1303185	Profile ll suite.
63316	Weekly HCT	18-Mar-13	Raley's D.I. Water	1303326	Profile ll suite.
63316	Weekly HCT	25-Mar-13	Raley's D.I. Water	1303472	Profile ll suite.
63316	Weekly HCT	1-Apr-13	Raley's D.I. Water	1304011	Profile ll suite.
63316	Weekly HCT	8-Apr-13	Raley's D.I. Water	1304141	Profile ll suite.
63316	Weekly HCT	15-Apr-13	Raley's D.I. Water	1304261	Profile ll suite.
63316	Weekly HCT	22-Apr-13	Raley's D.I. Water	1304391	Profile ll suite.
63316	Bi-weekly HCT	6-May-13	Raley's D.I. Water	1305109	Profile ll suite.
63316	Bi-weekly HCT	20-May-13	Raley's D.I. Water	1305401	Profile ll suite.
63316	Bi-weekly HCT	3-Jun-13	Raley's D.I. Water	1306005	Profile ll suite.
63316	Bi-weekly HCT	17-Jun-13	Raley's D.I. Water	1306373	Profile ll suite.
63316	Bi-weekly HCT	1-Jul-13	Raley's D.I. Water	1307018	Profile ll suite.
63316	Bi-weekly HCT	15-Jul-13	Raley's D.I. Water	1307323	Profile ll suite.
63316	Bi-weekly HCT	29-Jul-13	Raley's D.I. Water	1307665	Profile ll suite.
63316	Bi-weekly HCT	12-Aug-13	Raley's D.I. Water	1308215	Profile ll suite.
63316	Bi-weekly HCT	26-Aug-13	Raley's D.I. Water	1308505	Profile ll suite.
63316	Bi-weekly HCT	9-Sep-13	Raley's D.I. Water	1309142	Profile ll suite. End HCT

Table 6-92.
Eagle Gold Project
KCA Test No. 63322
Humidity Cell Test
Summary of Sampled Solutions

KCA Test No.	Solution Description	Sample Date	Solution Type	WETLAB Job No.	Notes
63322	Weekly HCT	19-Nov-12	Raley's D.I. Water	1211340	Profile ll suite.
63322	Weekly HCT	26-Nov-12	Raley's D.I. Water	1211413	Profile ll suite.
63322	Weekly HCT	10-Dec-12	Raley's D.I. Water	1212169	Profile ll suite.
63322	Weekly HCT	17-Dec-12	Raley's D.I. Water	1212310	Profile ll suite.
63322	Weekly HCT	24-Dec-12	Raley's D.I. Water	1212518	Profile ll suite.
63322	Weekly HCT	31-Dec-12	Raley's D.I. Water	1301003	Profile ll suite.
63322	Weekly HCT	7-Jan-13	Raley's D.I. Water	1301079	Profile ll suite.
63322	Weekly HCT	14-Jan-13	Raley's D.I. Water	1301186	Profile ll suite.
63322	Weekly HCT	21-Jan-13	Raley's D.I. Water	1301295	Profile ll suite.
63322	Weekly HCT	28-Jan-13	Raley's D.I. Water	1301402	Profile ll suite.
63322	Weekly HCT	4-Feb-13	Raley's D.I. Water	1302024	Profile ll suite.
63322	Weekly HCT	11-Feb-13	Raley's D.I. Water	1302163	Profile ll suite.
63322	Weekly HCT	18-Feb-13	Raley's D.I. Water	1302292	Profile ll suite.
63322	Weekly HCT	25-Feb-13	Raley's D.I. Water	1302382	Profile ll suite.
63322	Weekly HCT	4-Mar-13	Raley's D.I. Water	1303031	Profile ll suite.
63322	Weekly HCT	11-Mar-13	Raley's D.I. Water	1303185	Profile ll suite.
63322	Weekly HCT	18-Mar-13	Raley's D.I. Water	1303326	Profile ll suite.
63322	Weekly HCT	25-Mar-13	Raley's D.I. Water	1303472	Profile ll suite.
63322	Weekly HCT	1-Apr-13	Raley's D.I. Water	1304011	Profile ll suite.
63322	Weekly HCT	8-Apr-13	Raley's D.I. Water	1304141	Profile ll suite.
63322	Weekly HCT	15-Apr-13	Raley's D.I. Water	1304261	Profile ll suite.
63322	Weekly HCT	22-Apr-13	Raley's D.I. Water	1304391	Profile ll suite.
63322	Bi-weekly HCT	6-May-13	Raley's D.I. Water	1305109	Profile ll suite.
63322	Bi-weekly HCT	20-May-13	Raley's D.I. Water	1305401	Profile ll suite.
63322	Bi-weekly HCT	3-Jun-13	Raley's D.I. Water	1306005	Profile ll suite.
63322	Bi-weekly HCT	17-Jun-13	Raley's D.I. Water	1306373	Profile ll suite.
63322	Bi-weekly HCT	1-Jul-13	Raley's D.I. Water	1307018	Profile ll suite.
63322	Bi-weekly HCT	15-Jul-13	Raley's D.I. Water	1307323	Profile ll suite.
63322	Bi-weekly HCT	29-Jul-13	Raley's D.I. Water	1307665	Profile ll suite.
63322	Bi-weekly HCT	12-Aug-13	Raley's D.I. Water	1308215	Profile ll suite.
63322	Bi-weekly HCT	26-Aug-13	Raley's D.I. Water	1308505	Profile ll suite.
63322	Bi-weekly HCT	9-Sep-13	Raley's D.I. Water	1309142	Profile ll suite. End HCT

Table 6-93.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63301

		63301 (10, Dec) Humidity Cell	63301 (17, Dec) Humidity Cell	63301 (24, Dec) Humidity Cell	63301 (31, Dec) Humidity Cell	63301 (7, Jan) Humidity Cell	63301 (14, Jan) Humidity Cell	63301 (21, Jan) Humidity Cell
	WET Lab No.:	1212169	1212310	1212518	1301003	1301079	1301186	1301295
	Report Date:	26-Dec-12	28-Dec-12	4-Jan-13	10-Jan-13	15-Jan-13	22-Jan-13	28-Jan-13
Constituent	Unit							
pH	pH Units	8.71	8.77	8.86	8.70	8.71	8.76	8.76
Acidity (Titrimetric)	mg/L as CaCO ₃	-411	-106	-49	-75	-91	-79	-60
Bicarbonate (HCO ₃)	mg/L	380	470	540	550	490	490	490
Carbonate (CO ₃)	mg/L	19	34	40	28	28	35	20
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	340	450	510	490	450	460	440
Redox Potential	mV	220	190	180	220	240	270	280
Total Kjeldahl Nitrogen	mg/L	7.5	5.1	2.9	1.2	1.2	1.2	1.0
Total Nitrogen	mg/L	11	6.5	2.9	1.2	1.7	1.9	1.4
Total Dissolved Solids (TDS)	mg/L	1600	820	790	780	660	690	660
Electrical Conductivity	µmhos/cm	2400	1200	1200	1100	1000	1100	980
Chloride	mg/L	16	0.12	<1.0	<1.0	<0.10	<0.10	0.13
Fluoride	mg/L	3.9	2.9	2.7	2.1	1.6	1.4	1.3
Sulfate	mg/L	670	130	110	110	79	97	71
Nitrate Nitrogen	mg/L	0.60	1.1	0.84	0.45	0.41	0.67	0.35
Nitrite Nitrogen	mg/L	3.0	0.30	0.22	0.18	0.058	0.053	0.034
Aluminum	mg/L	5.4	6.3	4.4	4.1	3.1	3.5	2.7
Barium	mg/L	0.046	0.057	0.046	0.045	0.033	0.038	0.030
Beryllium	mg/L	0.0005	0.0011	0.0007	0.0004	0.0007	0.0006	<0.0002
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.12	0.09	0.09	0.078	0.10	0.071	0.059
Cadmium	mg/L	0.0011	0.0007	0.0003	0.0005	<0.0002	0.0004	<0.0002
Calcium	mg/L	9.9	7.2	8.0	8.1	5.8	6.8	6.2
Chromium	mg/L	0.0045	0.0066	0.0038	0.0031	0.0026	0.0025	0.0016
Cobalt	mg/L	0.12	0.019	0.008	0.005	0.004	0.004	0.003
Copper	mg/L	0.20	0.038	0.034	0.025	0.021	0.023	0.027
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	5.7	5.4	2.8	2.5	2.2	2.2	1.7
Lithium	mg/L	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Magnesium	mg/L	2.0	1.5	0.91	0.90	0.68	0.70	0.61
Manganese	mg/L	0.070	0.12	0.080	0.077	0.058	0.060	0.048
Molybdenum	mg/L	0.093	0.029	0.024	0.021	0.014	0.017	0.012
Nickel	mg/L	0.0088	0.013	0.0073	0.0071	0.0056	0.0053	0.0044
Phosphorus	mg/L	1.2	1.4	1.2	1.0	0.93	1.1	0.91
Potassium	mg/L	8.6	4.7	4.6	4.3	3.9	4.1	3.7
Scandium	mg/L	0.00	<0.0010	<0.0010	0.00	<0.0010	<0.0010	<0.0010
Silicon	mg/L	28	28	25	24	20	23	19
Silver	mg/L	<0.0005	<0.0025	0.0011	0.0012	<0.0005	<0.0005	<0.0005
Sodium	mg/L	510	260	270	250	230	240	210
Strontium	mg/L	0.23	0.12	0.14	0.13	0.10	0.11	0.10
Tin	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.10	0.07	0.06	0.06	0.05	0.06	0.05
Vanadium	mg/L	0.042	0.040	0.034	0.026	0.028	0.032	0.026
Zinc	mg/L	0.054	0.077	0.043	0.083	0.035	0.037	0.033
Mercury	mg/L	0.0009	0.00049	<0.00077	<0.00035	<0.0007	<0.0004	<0.0007
Antimony	mg/L	1.3	1.0	1.1	0.98	0.71	0.74	0.59
Arsenic	mg/L	6.6	7.2	6.4	6.1	4.8	4.7	4.2
Lead	mg/L	0.18	0.32	0.29	0.33	0.23	0.24	0.21
Selenium	mg/L	0.027	0.017	0.018	0.016	0.015	0.018	0.012
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Uranium	mg/L	0.48	0.22	0.17	0.16	0.12	0.12	0.10
Anions	meq/L	--	--	--	12.3	10.7	11.3	10.3
Cations	meq/L	--	--	--	11.4	9.99	10.6	9.98
Error	%	--	--	--	4.2	3.5	3.2	1.4
Cyanate	mg/L	3.9	2.1	2.9	1.9	2.5	2.8	3.2
Thiocyanate	mg/L	3.5	6.2	2.2	1.8	1.8	1.4	1.3
Ammonia, as Nitrogen	mg/L	0.32	0.18	0.099	1.2	0.068	<0.050	<0.050
Total Cyanide	mg/L	18	1.4	1.0	0.69	0.46	0.56	0.36
WAD Cyanide	mg/L	0.17	0.070	0.067	0.017	0.021	0.034	0.015
Total Organic Carbon	mg/L	18.0	--	--	--	--	--	--

Table 6-94.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63301 (continued)

		63301 (28, Jan) Humidity Cell	63301 (4, Feb) Humidity Cell	63301 (11, Feb) Humidity Cell	63301 (18, Feb) Humidity Cell	63301 (25, Feb) Humidity Cell	63301 (4, Mar) Humidity Cell	63301 (11, Mar) Humidity Cell	63301 (18, Mar) Humidity Cell
	WET Lab No.:	1301402	1302024	1302163	1302292	1302382	1303031	1303185	1303326
	Report Date:	2-Feb-13	15-Feb-13	15-Feb-13	4-Mar-13	1-Mar-13	11-Mar-13	27-Mar-13	25-Mar-13
Constituent	Unit								
pH	pH Units	8.69	8.66	9.04	8.68	8.61	8.56	8.58	8.66
Acidity (Titrimetric)	mg/L as CaCO ₃	-85	-86	-50	-51	-121	-37	--	--
Bicarbonate (HCO ₃)	mg/L	510	500	380	410	460	410	400	400
Carbonate (CO ₃)	mg/L	19	17	47	16	14	11	13	16
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	450	440	390	360	400	360	350	350
Redox Potential	mV	310	250	300	270	3.5	36	-23	-28
Total Kjeldahl Nitrogen	mg/L	0.99	0.94	0.88	0.93	0.73	0.72	0.66	0.75
Total Nitrogen	mg/L	0.99	1.8	1.5	1.4	1.1	1.0	0.85	0.88
Total Dissolved Solids (TDS)	mg/L	720	660	660	630	580	560	540	560
Electrical Conductivity	µmhos/cm	1100	1000	970	840	890	830	790	840
Chloride	mg/L	<0.10	<0.10	<0.10	2.1	<0.10	<0.10	<0.10	<0.10
Fluoride	mg/L	1.4	1.3	1.3	1.2	1.0	1.1	1.0	1.0
Sulfate	mg/L	90	99	92	74	76	77	74	79
Nitrate Nitrogen	mg/L	0.61	0.84	0.61	0.48	0.35	0.28	0.20	0.10
Nitrite Nitrogen	mg/L	0.040	0.040	0.061	0.035	<0.010	<0.010	<0.010	0.024
Aluminum	mg/L	3.7	3.7	3.9	3.2	2.9	3.1	3.4	3.2
Barium	mg/L	0.039	0.046	0.044	0.037	0.035	0.034	0.038	0.042
Beryllium	mg/L	0.00046	<0.0002	<0.0002	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.070	0.061	0.057	0.044	0.042	0.054	0.042	0.049
Cadmium	mg/L	0.00046	<0.0002	<0.0002	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
Calcium	mg/L	7.1	8.7	7.8	7.5	7.5	6.8	7.3	6.6
Chromium	mg/L	0.0025	0.0027	0.0028	0.0036	0.0020	0.0014	0.0019	0.0028
Cobalt	mg/L	0.0029	0.003	0.003	0.003	0.0024	0.002	0.002	0.0023
Copper	mg/L	0.021	0.043	0.016	0.014	0.0095	0.019	0.0093	0.010
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	1.9	2.1	2.0	1.9	1.5	1.7	1.8	1.5
Lithium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Magnesium	mg/L	0.69	0.72	0.66	0.66	0.57	0.54	0.57	0.49
Manganese	mg/L	0.058	0.071	0.064	0.057	0.051	0.053	0.052	0.058
Molybdenum	mg/L	0.014	0.014	0.013	0.009	0.010	0.011	0.010	0.0068
Nickel	mg/L	0.0043	0.0048	0.0050	0.0047	0.0034	0.0037	0.0038	0.0037
Phosphorus	mg/L	0.98	0.90	1.0	1.0	0.92	1.0	0.88	0.95
Potassium	mg/L	4.2	4.1	3.7	3.4	3.5	3.2	3.8	3.2
Scandium	mg/L	0.0010	0.00	0.00	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon	mg/L	24	26	24	22	21	24	24	22
Silver	mg/L	<0.0005	<0.0005	<0.0005	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
Sodium	mg/L	230	220	200	180	190	170	180	160
Strontium	mg/L	0.12	0.12	0.11	0.10	0.10	0.09	0.10	0.090
Tin	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.061	0.06	0.06	0.04	0.044	0.05	0.06	0.039
Vanadium	mg/L	0.029	0.028	0.029	0.033	0.030	0.030	0.034	0.038
Zinc	mg/L	0.036	0.041	0.039	0.055	0.038	0.034	0.034	0.036
Mercury	mg/L	<0.0007	<0.0007	<0.0007	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Antimony	mg/L	0.67	0.64	0.64	0.51	0.55	0.57	0.52	0.56
Arsenic	mg/L	4.6	4.2	4.6	4.2	3.8	4.2	3.8	3.7
Lead	mg/L	0.27	0.34	0.33	0.26	0.27	0.27	0.28	0.31
Selenium	mg/L	0.014	<0.020	0.016	0.016	0.015	0.014	0.013	0.013
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Uranium	mg/L	0.12	0.12	0.12	0.084	0.082	0.073	0.068	0.065
Anions	meq/L	11.0	11.0	9.82	8.95	9.68	8.77	8.60	8.79
Cations	meq/L	11.0	10.7	9.27	8.29	7.95	8.30	8.62	7.81
Error	%	<1.0	1.2	2.9	3.9	9.8	2.7	<1.0	5.9
Cyanate	mg/L	3.7	3.0	3.2	4.2	4.0	3.0	<0.15	0.61
Thiocyanate	mg/L	1.3	1.5	0.89	1.1	0.84	1.1	1.0	0.39
Ammonia, as Nitrogen	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Cyanide	mg/L	0.41	0.38	0.45	0.31	0.33	0.31	0.32	0.31
WAD Cyanide	mg/L	0.023	0.048	0.020	0.019	<0.050	0.025	0.053	0.021

Table 6-95.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63301 (continued)

		63301 (25, Mar) Humidity Cell	63301 (1, Apr) Humidity Cell	63301 (8, Apr) Humidity Cell	63301 (15, Apr) Humidity Cell	63301 (22, Apr) Humidity Cell	63301 (6, May) Humidity Cell	63301 (20, May) Humidity Cell
	WET Lab No.:	1303472	1304011	1304141	1304261	1304391	1305109	1305401
	Report Date:	1-Apr-13	8-Apr-13	15-Apr-13	22-Apr-13	29-Apr-13	14-May-13	29-May-13
Constituent	Unit							
pH	pH Units	8.68	8.70	8.69	8.61	8.63	8.65	8.63
Acidity (Titrimetric)	mg/L as CaCO ₃	—	—	—	<53	—	—	—
Bicarbonate (HCO ₃)	mg/L	370	370	410	390	380	360	360
Carbonate (CO ₃)	mg/L	17	17	17	14	15	16	14
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	330	330	360	340	340	330	320
Redox Potential	mV	-145	-98	-123	-148	160	35	-86
Chloride	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoride	mg/L	0.93	0.98	0.79	0.72	0.73	0.79	0.81
Sulfate	mg/L	72	67	60	56	63	84	84
Nitrate Nitrogen	mg/L	0.099	0.082	0.22	0.30	0.41	0.51	0.67
Nitrite Nitrogen	mg/L	<0.010	0.028	0.029	<0.010	0.023	0.015	<0.010
Total Kjeldahl Nitrogen	mg/L	0.72	0.64	0.70	0.67	0.58	0.65	0.74
Total Nitrogen	mg/L	0.82	0.75	0.95	0.67	0.58	1.2	1.4
Total Cyanide	mg/L	0.29	0.25	0.22	0.15	0.15	0.16	0.18
Total Dissolved Solids (TDS)	mg/L	540	510	550	490	510	520	530
WAD Cyanide	mg/L	<0.050	0.025	0.015	0.027	0.019	0.011	0.029
Electrical Conductivity	µmhos/cm	730	740	820	770	770	740	760
Aluminum	mg/L	3.1	3.0	2.5	2.0	1.9	2.6	2.8
Barium	mg/L	0.038	0.037	0.035	0.028	0.026	0.033	0.038
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.03	0.035	0.038	0.034	0.027	0.026	0.032
Calcium	mg/L	7.7	7.6	8.3	7.1	6.2	6.6	8.2
Cobalt	mg/L	0.002	<0.0020	0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	1.7	1.6	1.4	1.1	0.91	1.1	1.3
Lithium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Magnesium	mg/L	0.52	0.50	0.49	0.53	0.46	0.44	0.48
Manganese	mg/L	0.053	0.052	0.046	0.034	0.032	0.040	0.050
Molybdenum	mg/L	<0.0050	0.0051	<0.0050	<0.0050	0.0053	0.0080	0.0060
Phosphorus	mg/L	0.93	0.87	0.78	0.70	0.63	0.60	0.63
Potassium	mg/L	3.2	3.0	3.5	3.7	3.3	3.4	3.4
Scandium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon	mg/L	25	24	22	21	19	23	25
Sodium	mg/L	160	160	180	200	170	190	170
Strontium	mg/L	0.09	0.091	0.11	0.094	0.082	0.094	0.10
Tin	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.05	0.051	0.035	0.030	0.026	0.031	0.039
Vanadium	mg/L	0.033	0.035	0.032	0.028	0.025	0.024	0.025
Zinc	mg/L	0.036	0.032	0.033	0.025	0.022	0.026	0.036
Antimony	mg/L	0.43	0.51	0.49	0.43	0.41	0.45	0.51
Arsenic	mg/L	3.4	3.5	2.7	2.3	2.2	2.2	2.6
Beryllium	mg/L	<0.00035	<0.00035	<0.00035	<0.00035	0.00046	<0.00035	0.0010
Cadmium	mg/L	<0.0009	<0.00090	<0.00090	<0.00090	<0.00090	0.0013	<0.00090
Chromium	mg/L	<0.0010	0.0015	0.0025	0.0015	0.0018	0.0020	0.0022
Copper	mg/L	0.0066	0.0084	0.0095	0.0075	0.013	0.011	0.012
Lead	mg/L	0.30	0.25	0.26	0.19	0.18	0.26	0.32
Nickel	mg/L	0.0033	0.0037	0.0029	0.0025	0.0022	0.0025	0.0028
Selenium	mg/L	0.014	0.014	0.010	0.0096	0.0082	0.0081	0.0095
Silver	mg/L	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
Thallium	mg/L	<0.0004	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Uranium	mg/L	0.063	0.050	0.050	0.044	0.041	0.040	0.040
Mercury	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Anions	meq/L	8.19	8.08	8.59	—	8.11	8.26	8.21
Cations	meq/L	7.91	7.88	8.69	—	8.05	9.03	8.28
Error	%	1.7	1.3	<1.0	—	<1.0	4.5	<1.0
Cyanate	mg/L	0.37	0.10	<0.20	0.16	0.06	<0.050	<0.050
Thiocyanate	mg/L	0.37	0.30	0.35	0.34	0.31	0.22	0.34
Ammonia, as Nitrogen	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.053

Table 6-96.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63301 (continued)

		63301 (3, Jun) Humidity Cell	63301 (17, Jun) Humidity Cell	63301 (1, Jul) Humidity Cell	63301 (15, Jul) Humidity Cell	63301 (29, Jul) Humidity Cell	63301 (12, Aug) Humidity Cell	63301 (26, Aug) Humidity Cell	63301 (9, Sep) Humidity Cell
	WET Lab No.:	1306005	1306373	1307018	1307323	1307665	1308215	1308505	1309142
	Report Date:	17-Jun-13	27-Jun-13	15-Jul-13	22-Jul-13	5-Aug-13	27-Aug-13	6-Sep-13	17-Sep-13
Constituent	Unit								
pH	pH Units	8.58	8.62	8.60	8.66	8.56	8.54	8.49	8.43
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	360	370	310	330	310	280	260	250
Carbonate (CO ₃)	mg/L	11	13	13	15	13	8.9	9.2	4.3
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	310	320	280	290	270	240	230	210
Redox Potential	mV	-55	-141	-85	-143	-54	-115	-119	-151
Chloride	mg/L	<0.10	0.12	0.32	0.10	0.11	0.12	0.15	0.11
Fluoride	mg/L	0.89	0.77	<1.0	0.74	0.67	0.58	0.53	0.45
Sulfate	mg/L	75	88	60	79	70	53	51	43
Nitrate Nitrogen	mg/L	0.82	1.7	0.69	0.83	0.98	1.1	1.1	0.78
Nitrite Nitrogen	mg/L	0.16	0.22	0.19	0.25	0.17	0.17	0.11	0.098
Total Kjeldahl Nitrogen	mg/L	1.1	0.76	0.90	0.85	0.74	0.54	0.50	0.50
Total Nitrogen	mg/L	2.1	2.7	1.8	1.9	1.9	1.8	1.7	1.4
Total Cyanide	mg/L	0.13	0.18	0.17	0.18	0.15	0.11	0.13	0.11
Total Dissolved Solids (TDS)	mg/L	490	540	480	520	460	420	390	350
WAD Cyanide	mg/L	0.010	0.026	0.021	0.020	0.023	<0.010	0.018	0.019
Electrical Conductivity	µmhos/cm	700	760	640	700	670	590	560	530
Aluminum	mg/L	2.1	3.0	2.9	4.1	2.8	2.1	2.1	1.6
Barium	mg/L	0.029	0.040	0.036	0.052	0.040	0.029	0.029	0.019
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.028	0.028	0.027	0.034	0.034	0.029	0.037	0.027
Calcium	mg/L	6.2	8.5	7.2	11	8.8	7.0	7.6	5.8
Cobalt	mg/L	<0.0020	0.0022	<0.0020	0.0024	0.0023	<0.0020	<0.0020	<0.0020
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	1.0	1.3	1.4	1.8	1.4	1.0	1.0	0.74
Lithium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Magnesium	mg/L	0.42	0.49	0.48	0.65	0.50	0.45	0.51	0.43
Manganese	mg/L	0.036	0.051	0.044	0.061	0.048	0.036	0.033	0.021
Molybdenum	mg/L	<0.0050	<0.0050	<0.0050	0.0083	<0.0050	0.0053	<0.0050	0.0096
Phosphorus	mg/L	0.83	0.68	0.68	0.78	0.93	0.74	0.53	0.36
Potassium	mg/L	3.5	3.9	4.1	5.6	4.1	3.3	4.8	4.4
Scandium	mg/L	<0.0010	<0.0010	<0.0010	0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon	mg/L	22	26	28	--	28	22	21	18
Sodium	mg/L	160	160	150	200	140	120	150	120
Strontium	mg/L	0.082	0.11	0.089	0.13	0.11	0.082	0.086	0.078
Tin	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.027	0.036	0.042	0.041	0.032	0.023	0.025	0.014
Vanadium	mg/L	0.026	0.018	0.030	0.024	0.019	0.019	0.015	0.013
Zinc	mg/L	0.028	0.032	0.030	0.041	0.031	0.026	0.022	0.011
Antimony	mg/L	0.47	0.43	0.59	0.42	0.38	0.36	0.30	0.26
Arsenic	mg/L	2.6	2.3	2.6	2.2	1.9	1.7	1.5	1.4
Beryllium	mg/L	0.00042	<0.0035	0.0004	0.00062	<0.00035	0.00042	0.00042	<0.00035
Cadmium	mg/L	<0.00090	<0.0090	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090
Chromium	mg/L	0.0017	<0.010	0.0016	0.0023	0.0020	0.0013	0.0012	0.0011
Copper	mg/L	0.0093	<0.025	0.010	0.0088	0.0092	0.012	0.0098	0.0058
Lead	mg/L	0.23	0.33	0.28	0.34	0.29	0.23	0.18	0.14
Nickel	mg/L	0.0025	<0.010	0.0028	0.0031	0.0027	0.0023	0.0024	0.0020
Selenium	mg/L	0.011	<0.020	0.010	0.0082	0.0081	0.0062	0.0078	0.0052
Silver	mg/L	<0.0015	<0.015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
Thallium	mg/L	<0.00040	<0.0040	<0.00040	<0.00040	<0.00040	<0.0010	<0.00040	<0.00040
Uranium	mg/L	0.032	0.034	0.027	0.028	0.025	0.022	0.019	0.016
Mercury	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00036	<0.00010
Anions	meq/L	7.93	8.50	6.82	7.66	7.08	6.10	5.74	5.22
Cations	meq/L	7.66	7.89	7.39	10.0	7.02	5.94	7.36	5.84
Error	%	1.8	3.7	4.0	13	<1.0	1.3	12	5.6
Cyanate	mg/L	<0.050	<0.10	0.06	0.09	0.20	<0.10	<0.10	<0.10
Thiocyanate	mg/L	0.37	0.13	0.21	0.26	<0.10	<0.10	<0.10	<0.10
Ammonia, as Nitrogen	mg/L	0.17	0.056	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Table 6-97.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63310

		63310 (13, Nov) Humidity Cell	63310 (19, Nov) Humidity Cell	63310 (26, Nov) Humidity Cell	63310 (3, Dec) Humidity Cell
	WET Lab No.:	1211242	1211340	1211413	1212011
	Report Date:	28-Nov-12	4-Dec-12	5-Dec-12	12-Dec-12
Constituent	Unit				
pH	pH Units	8.50	8.47	8.28	8.46
Acidity (Titrimetric)	mg/L as CaCO ₃	-82	-74	-83	-55
Bicarbonate (HCO ₃)	mg/L	460	430	320	350
Carbonate (CO ₃)	mg/L	11	8.8	<1.0	5.5
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	390	370	260	290
Redox Potential	mV	260	240	210	180
Total Kjeldahl Nitrogen	mg/L	22	0.98	1.1	1.7
Total Nitrogen	mg/L	74	6.1	1.7	2.0
Total Dissolved Solids (TDS)	mg/L	0.62	2100	2200	1200
Electrical Conductivity	µmhos/cm	1800	3300	3400	1800
Chloride	mg/L	2700	85	74	15
Fluoride	mg/L	2.9	1.9	1.7	2.2
Sulfate	mg/L	540	1000	1100	510
Nitrate Nitrogen	mg/L	24	1.3	0.32	0.31
Nitrite Nitrogen	mg/L	52	3.9	0.28	<0.10
Aluminum	mg/L	1.3	1.0	1.3	5.6
Barium	mg/L	0.022	0.024	0.028	0.049
Beryllium	mg/L	0.0004	<0.0004	0.0003	0.0008
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.10	0.09	0.08	0.07
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	0.0007
Calcium	mg/L	7.8	10	14	9.5
Chromium	mg/L	0.0014	0.0011	0.0013	0.0034
Cobalt	mg/L	0.066	0.012	0.009	0.009
Copper	mg/L	0.26	0.16	0.15	0.15
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	0.68	0.59	0.64	4.3
Lithium	mg/L	0.02	0.02	0.03	<0.020
Magnesium	mg/L	0.87	1.3	1.4	1.2
Manganese	mg/L	0.018	0.017	0.024	0.085
Molybdenum	mg/L	0.037	0.010	0.011	0.013
Nickel	mg/L	0.003	0.002	0.002	0.008
Phosphorus	mg/L	0.30	0.18	0.13	0.40
Potassium	mg/L	6.0	7.6	7.6	5.0
Scandium	mg/L	<0.0010	<0.0010	<0.0010	0.00
Silver	mg/L	0.0005	0.0005	<0.0005	0.0013
Sodium	mg/L	620	840	830	370
Strontium	mg/L	0.18	0.26	0.32	0.14
Tin	mg/L	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.02	0.02	0.02	0.06
Vanadium	mg/L	0.019	0.017	0.015	0.027
Zinc	mg/L	0.026	0.022	0.022	0.080
Mercury	mg/L	<0.0035	0.0009	0.0008	<0.0007
Antimony	mg/L	0.91	0.73	0.81	0.86
Arsenic	mg/L	4.9	3.4	3.0	4.9
Lead	mg/L	0.13	0.081	0.14	0.35
Selenium	mg/L	0.017	0.0072	0.012	0.018
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002
Cyanate	mg/L	7.2	5.6	2.8	3.6
Thiocyanate	mg/L	4.0	0.87	2.4	3.3
Ammonia, as Nitrogen	mg/L	0.94	0.074	<0.050	<0.050
Total Cyanide	mg/L	0.62	0.18	0.22	0.32
Cyanide, WAD	mg/L	0.024	0.022	0.021	0.012
Silicon	mg/L	16	16	16	25
Uranium	mg/L	0.24	0.24	0.19	0.21

Table 6-98.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63313

		63313 (13, Nov) Humidity Cell	63313 (19, Nov) Humidity Cell	63313 (26, Nov) Humidity Cell	63313 (3, Dec) Humidity Cell
	WET Lab No.:	1211242	1211340	1211413	1212011
	Report Date:	28-Nov-12	4-Dec-12	5-Dec-12	12-Dec-12
Constituent	Unit				
pH	pH Units	8.56	8.62	8.57	8.73
Acidity (Titrimetric)	mg/L as CaCO ₃	-70	-76	-47	-82
Bicarbonate (HCO ₃)	mg/L	510	540	370	370
Carbonate (CO ₃)	mg/L	15	20	12	19
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	440	480	320	340
Redox Potential	mV	250	220	100	170
Total Kjeldahl Nitrogen	mg/L	18	2.0	1.2	1.7
Total Nitrogen	mg/L	130	20	4.8	3.1
Total Dissolved Solids (TDS)	mg/L	2200	2000	1700	1000
Electrical Conductivity	µmhos/cm	3500	3200	2800	1600
Chloride	mg/L	55	79	66	15
Fluoride	mg/L	2.1	1.8	1.8	2.2
Sulfate	mg/L	570	850	810	310
Nitrate Nitrogen	mg/L	29	2.9	0.59	0.37
Nitrite Nitrogen	mg/L	110	15	3.0	1.1
Aluminum	mg/L	0.87	2.4	1.5	3.6
Barium	mg/L	0.020	0.030	0.021	0.034
Beryllium	mg/L	0.0003	0.0005	0.0003	0.0006
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.10	0.09	0.08	0.08
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	0.0005
Calcium	mg/L	8.2	8.7	7.0	6.3
Chromium	mg/L	0.0012	0.0021	0.0016	0.0021
Cobalt	mg/L	0.071	0.015	0.008	0.008
Copper	mg/L	0.075	0.12	0.13	0.095
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	0.44	2.2	0.79	2.4
Lithium	mg/L	<0.020	0.02	<0.020	<0.020
Magnesium	mg/L	1.1	1.4	0.83	0.65
Manganese	mg/L	0.013	0.041	0.023	0.054
Molybdenum	mg/L	0.039	0.010	0.008	0.006
Nickel	mg/L	<0.0020	0.005	0.002	0.005
Phosphorus	mg/L	0.34	0.26	0.18	0.42
Potassium	mg/L	7.8	7.9	6.8	4.6
Scandium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010
Silver	mg/L	<0.0005	<0.0005	<0.0005	0.0006
Sodium	mg/L	780	780	690	340
Strontium	mg/L	0.21	0.22	0.17	0.09
Tin	mg/L	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.01	0.03	0.03	0.05
Vanadium	mg/L	0.022	0.027	0.025	0.044
Zinc	mg/L	0.019	0.035	0.019	0.047
Mercury	mg/L	<0.0007	0.0007	<0.0007	<0.0007
Antimony	mg/L	0.73	0.69	0.78	0.89
Arsenic	mg/L	4.3	4.2	4.2	5.8
Lead	mg/L	0.079	0.16	0.14	0.26
Selenium	mg/L	0.014	0.0080	0.014	0.024
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002
Cyanate	mg/L	3.3	1.3	2.9	3.0
Thiocyanate	mg/L	12	3.4	7.0	1.7
Ammonia, as Nitrogen	mg/L	0.41	0.087	0.13	0.11
Total Cyanide	mg/L	2.2	0.20	0.20	0.31
Cyanide, WAD	mg/L	0.059	0.024	0.021	0.016
Silicon	mg/L	13	18	16	22
Uranium	mg/L	0.19	0.16	0.14	0.16

Table 6-99.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63316

		63316 (19, Nov) Humidity Cell	63316 (26, Nov) Humidity Cell	63316 (3, Dec) Humidity Cell	63316 (10, Dec) Humidity Cell	63316 (17, Dec) Humidity Cell
	WET Lab No.:	1211340	1211413	1212011	1212169	1212310
	Report Date:	4-Dec-12	5-Dec-12	12-Dec-12	26-Dec-12	28-Dec-12
Constituent	Unit					
pH	pH Units	8.54	8.59	8.61	8.79	8.75
Acidity (Titrimetric)	mg/L as CaCO ₃	-83	-116	-52	-92	-115
Bicarbonate (HCO ₃)	mg/L	530	470	390	460	460
Carbonate (CO ₃)	mg/L	14	16	13	29	34
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	460	410	340	430	430
Redox Potential	mV	280	180	210	250	230
Total Kjeldahl Nitrogen	mg/L	1.4	1.2	1.8	1.6	1.8
Total Nitrogen	mg/L	60	96	30	9.5	3.8
Total Dissolved Solids (TDS)	mg/L	2600	3100	2300	1400	1100
Electrical Conductivity	µmhos/cm	4200	4700	3600	2100	1700
Chloride	mg/L	85	95	72	18	0.36
Fluoride	mg/L	1.6	1.4	1.9	2.3	2.0
Sulfate	mg/L	1200	1300	1200	540	340
Nitrate Nitrogen	mg/L	20	2.3	0.62	0.41	<1.0
Nitrite Nitrogen	mg/L	39	93	28	8.0	2.0
Aluminum	mg/L	0.64	0.37	1.1	2.4	2.4
Barium	mg/L	0.023	0.022	0.022	0.028	0.029
Beryllium	mg/L	<0.0004	<0.0004	0.0004	<0.0010	0.0005
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.08	0.07	0.08	0.08	0.06
Cadmium	mg/L	<0.0002	<0.0002	0.0002	0.0014	0.0004
Calcium	mg/L	8.9	10	8.2	6.0	6.4
Chromium	mg/L	<0.0010	0.0011	<0.0010	0.0020	0.0020
Cobalt	mg/L	0.047	0.012	0.007	0.01	0.005
Copper	mg/L	0.058	0.19	0.060	0.26	0.077
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	0.35	0.23	0.55	1.2	1.4
Lithium	mg/L	0.02	0.04	0.02	<0.020	<0.020
Magnesium	mg/L	1.3	1.7	1.1	0.51	0.45
Manganese	mg/L	0.010	0.0077	0.016	0.032	0.032
Molybdenum	mg/L	0.026	0.009	0.007	<0.025	<0.025
Nickel	mg/L	<0.0020	<0.0020	<0.0020	0.077	0.0031
Phosphorus	mg/L	0.26	0.14	0.22	0.30	0.43
Potassium	mg/L	13	14	10	6.1	5.1
Scandium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silver	mg/L	<0.0005	<0.0005	0.0008	0.0013	<0.0025
Sodium	mg/L	1000	1200	820	450	370
Strontium	mg/L	0.28	0.36	0.22	0.12	0.10
Tin	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.01	0.01	0.02	0.04	0.05
Vanadium	mg/L	0.017	0.014	0.021	0.029	0.026
Zinc	mg/L	0.015	<0.010	0.018	0.039	0.041
Mercury	mg/L	<0.0007	<0.0007	<0.0007	0.00058	0.00044
Antimony	mg/L	0.65	0.52	0.77	0.99	0.99
Arsenic	mg/L	2.7	2.4	3.1	5.1	5.1
Lead	mg/L	0.065	0.033	0.088	0.22	0.23
Selenium	mg/L	0.0066	0.0034	0.0096	0.016	<0.020
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Anions	meq/L	--	--	--	--	--
Cations	meq/L	--	--	--	--	--
Error	%	--	--	--	--	--
Cyanate	mg/L	7.1	4.6	3.5	2.3	5.2
Thiocyanate	mg/L	2.7	4.8	0.98	1.1	1.4
Ammonia, as Nitrogen	mg/L	5.1	0.46	0.19	0.18	0.11
Total Cyanide	mg/L	0.27	0.20	0.13	0.087	0.26
Cyanide, WAD	mg/L	0.030	0.032	0.027	0.015	0.010
Silicon	mg/L	12	12	14	19	19
Uranium	mg/L	0.23	0.23	0.16	0.12	0.16
Total Organic Carbon	mg/L	--	--	--	5.4	--

Table 6-100.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63316 (continued)

		63316 (24, Dec)	63316 (31, Dec)	63316 (7, Jan)	63316 (14, Jan)	63316 (21, Jan)
	WET Lab No.:	1212518	1301003	1301079	1301186	1301295
	Report Date:	4-Jan-13	10-Jan-13	15-Jan-13	22-Jan-13	28-Jan-13
Constituent	Unit					
pH	pH Units	8.90	8.84	8.82	8.81	8.81
Acidity (Titrimetric)	mg/L as CaCO ₃	-94	-85	-100	-85	-86
Bicarbonate (HCO ₃)	mg/L	500	480	490	480	490
Carbonate (CO ₃)	mg/L	46	38	38	39	25
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	490	460	460	460	440
Redox Potential	mV	210	290	250	270	310
Total Kjeldahl Nitrogen	mg/L	1.7	1.2	0.48	0.62	0.46
Total Nitrogen	mg/L	2.4	1.2	0.52	0.62	0.46
Total Dissolved Solids (TDS)	mg/L	960	800	820	800	720
Electrical Conductivity	µmhos/cm	1500	1200	1300	1300	1100
Chloride	mg/L	1.2	<1.0	0.19	0.12	<0.10
Fluoride	mg/L	1.9	1.6	1.4	1.4	1.3
Sulfate	mg/L	280	170	180	190	130
Nitrate Nitrogen	mg/L	0.33	<0.10	<0.10	<0.10	0.022
Nitrite Nitrogen	mg/L	0.68	0.22	0.042	0.016	<0.010
Aluminum	mg/L	2.8	4.4	2.2	2.5	1.9
Barium	mg/L	0.029	0.040	0.025	0.027	0.021
Beryllium	mg/L	0.0005	0.0004	0.0006	0.0005	<0.0002
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.06	0.044	0.073	0.046	0.037
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	0.0004	<0.0002
Calcium	mg/L	6.2	6.8	5.4	6.2	5.1
Chromium	mg/L	0.0023	0.0030	0.0021	0.0014	<0.0010
Cobalt	mg/L	0.004	0.004	0.003	0.003	0.002
Copper	mg/L	0.083	0.090	0.067	0.070	0.070
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	1.5	3.8	1.4	1.4	1.2
Lithium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020
Magnesium	mg/L	0.47	1.1	0.39	0.38	0.36
Manganese	mg/L	0.034	0.070	0.033	0.035	0.028
Molybdenum	mg/L	0.009	0.008	0.007	0.006	<0.0050
Nickel	mg/L	0.0035	0.0080	0.0034	0.0032	0.0029
Phosphorus	mg/L	0.57	0.64	0.50	0.51	0.54
Potassium	mg/L	5.1	4.6	4.0	4.2	3.6
Scandium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silver	mg/L	0.0018	0.0018	0.0008	0.0005	<0.0005
Sodium	mg/L	360	270	290	280	240
Strontium	mg/L	0.10	0.09	0.08	0.09	0.07
Tin	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.05	0.05	0.04	0.05	0.04
Vanadium	mg/L	0.027	0.023	0.024	0.024	0.023
Zinc	mg/L	0.036	0.11	0.032	0.035	0.032
Mercury	mg/L	<0.00077	0.00026	<0.0007	<0.0004	<0.0007
Antimony	mg/L	0.84	0.58	0.68	0.80	0.54
Arsenic	mg/L	4.5	4.5	3.9	4.2	3.5
Lead	mg/L	0.23	0.28	0.22	0.25	0.17
Selenium	mg/L	0.017	0.015	0.015	0.017	0.011
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Anions	meq/L	--	12.8	13.1	13.2	11.6
Cations	meq/L	--	12.2	12.3	12.1	11.1
Error	%	--	2.4	3.3	4.4	2.5
Cyanate	mg/L	2.1	1.8	2.2	1.6	2.7
Thiocyanate	mg/L	1.2	3.2	1.0	1.1	0.67
Ammonia, as Nitrogen	mg/L	0.11	0.73	<0.050	<0.050	<0.050
Total Cyanide	mg/L	0.10	0.11	0.14	0.14	0.087
Cyanide, WAD	mg/L	0.012	<0.010	<0.010	0.019	0.010
Silicon	mg/L	21	21	17	19	15
Uranium	mg/L	0.17	0.12	0.13	0.14	0.096

Table 6-101.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63316 (continued)

		63316 (28, Jan) Humidity Cell	63316 (4, Feb) Humidity Cell	63316 (11, Feb) Humidity Cell	63316 (18, Feb) Humidity Cell	63316 (25, Feb) Humidity Cell	63316 (4, Mar) Humidity Cell	63316 (11, Mar) Humidity Cell	63316 (18, Mar) Humidity Cell
	WET Lab No.:	1301402	1302024	1302163	1302292	1302382	1303031	1303185	1303326
	Report Date:	2-Feb-13	15-Feb-13	15-Feb-13	4-Mar-13	1-Mar-13	11-Mar-13	27-Mar-13	25-Mar-13
Constituent	Unit								
pH	pH Units	8.79	8.76	9.17	8.73	8.75	8.67	8.73	8.79
Acidity (Titrimetric)	mg/L as CaCO ₃	-124	-115	-69	-79	-88	-49	--	--
Bicarbonate (HCO ₃)	mg/L	490	490	430	470	490	460	430	440
Carbonate (CO ₃)	mg/L	25	22	66	22	23	18	22	26
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	440	430	460	420	430	410	390	410
Redox Potential	mV	350	300	280	280	50	34	-69	-41
Total Kjeldahl Nitrogen	mg/L	0.51	0.68	0.53	0.54	0.49	0.62	0.40	0.53
Total Nitrogen	mg/L	0.51	0.68	0.53	0.59	0.49	0.62	0.40	0.53
Total Dissolved Solids (TDS)	mg/L	770	710	780	730	690	650	620	690
Electrical Conductivity	µmhos/cm	1200	1100	1200	1100	1100	1000	950	1000
Chloride	mg/L	<0.10	<0.10	<0.10	1.3	<0.10	<0.10	<0.10	<0.10
Fluoride	mg/L	1.5	1.4	1.4	1.2	1.2	1.1	1.1	1.2
Sulfate	mg/L	160	140	150	130	130	120	110	120
Nitrate Nitrogen	mg/L	<0.10	<0.010	<0.010	0.077	<0.010	<0.010	<0.010	<0.010
Nitrite Nitrogen	mg/L	<0.010	<0.010	<0.010	0.055	<0.010	<0.010	<0.010	<0.010
Aluminum	mg/L	2.6	2.7	3.0	2.5	2.4	2.4	1.9	2.4
Barium	mg/L	0.028	0.029	0.031	0.026	0.026	0.024	0.024	0.028
Beryllium	mg/L	<0.0002	<0.0002	<0.0002	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.051	0.039	0.042	0.033	0.033	0.034	0.028	0.038
Cadmium	mg/L	<0.0002	<0.0002	<0.0002	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
Calcium	mg/L	6.6	6.4	6.9	6.0	6.0	6.0	5.2	6.0
Chromium	mg/L	0.0020	0.0021	0.0022	0.0028	0.0018	0.0018	0.0016	0.0033
Cobalt	mg/L	0.0022	0.002	0.002	<0.0020	0.0020	<0.0020	<0.0020	<0.0020
Copper	mg/L	0.057	0.079	0.046	0.074	0.027	0.044	0.024	0.039
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	1.4	1.7	1.7	1.4	1.4	1.5	1.3	1.4
Lithium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Magnesium	mg/L	0.39	0.44	0.43	0.40	0.38	0.45	0.36	0.37
Manganese	mg/L	0.035	0.042	0.041	0.036	0.033	0.038	0.031	0.034
Molybdenum	mg/L	<0.0050	0.005	0.005	0.005	<0.0050	<0.0050	<0.0050	<0.0050
Nickel	mg/L	0.0033	0.0039	0.0037	0.0036	0.0030	0.0038	0.0034	0.0032
Phosphorus	mg/L	0.51	0.49	0.54	0.53	0.53	0.53	0.53	0.51
Potassium	mg/L	4.2	4.2	4.1	3.9	3.8	3.8	3.4	3.9
Scandium	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon	mg/L	20	21	22	19	19	20	18	21
Silver	mg/L	<0.0005	<0.0005	<0.0005	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
Sodium	mg/L	260	250	240	240	230	220	200	220
Strontium	mg/L	0.088	0.08	0.09	0.08	0.076	0.07	0.06	0.074
Tin	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.050	0.05	0.06	0.04	0.042	0.04	0.04	0.041
Vanadium	mg/L	0.028	0.025	0.026	0.023	0.023	0.020	0.023	0.026
Zinc	mg/L	0.038	0.048	0.048	0.039	0.040	0.040	0.034	0.042
Mercury	mg/L	0.00079	0.0002	<0.0007	<0.0010	<0.0010	0.00021	<0.0010	<0.0010
Antimony	mg/L	0.70	0.63	0.68	0.60	0.58	0.59	0.51	0.55
Arsenic	mg/L	4.0	3.6	3.6	3.3	3.1	3.2	2.9	3.0
Lead	mg/L	0.25	0.27	0.28	0.24	0.23	0.23	0.21	0.22
Selenium	mg/L	0.014	<0.020	0.014	0.013	0.013	0.0098	0.011	0.011
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Uranium	mg/L	0.12	0.10	0.11	0.085	0.080	0.074	0.067	0.073
Anions	meq/L	12.1	11.6	12.4	11.2	11.4	10.7	10.1	10.6
Cations	meq/L	12.1	11.7	10.6	10.4	9.85	10.3	8.90	10.3
Error	%	<1.0	<1.0	7.9	3.9	7.3	1.8	6.5	1.5
Cyanate	mg/L	2.6	3.1	5.8	4.9	2.9	3.5	<0.15	0.62
Thiocyanate	mg/L	1.1	1.2	0.60	0.63	0.84	1.1	0.78	<0.10
Ammonia, as Nitrogen	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Cyanide	mg/L	0.12	0.097	0.076	0.084	0.074	0.067	0.064	0.070
WAD Cyanide	mg/L	0.012	0.011	<0.010	<0.010	<0.050	0.012	0.016	<0.010

Table 6-102.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63316 (continued)

		63316 (25, Mar)	63316 (1, Apr)	63316 (8, Apr)	63316 (15, Apr)	63316 (22, Apr)	63316 (6, May)	63316 (20, May)	63316 (3, Jun)
	WET Lab No.:	1303472	1304011	1304141	1304261	1304391	1305109	1305401	1306005
	Report Date:	1-Apr-13	8-Apr-13	15-Apr-13	22-Apr-13	29-Apr-13	14-May-13	29-May-13	17-Jun-13
Constituent	Unit								
pH	pH Units	8.81	8.79	8.80	8.75	8.71	8.75	8.78	8.71
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	-70	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	410	390	400	400	410	330	310	280
Carbonate (CO ₃)	mg/L	25	26	23	22	20	20	19	15
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	380	370	370	370	370	300	290	260
Redox Potential	mV	-116	-88	-119	-155	-5	-75	-106	-57
Chloride	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.16
Fluoride	mg/L	1.1	1.0	1.0	1.0	0.90	1.0	1.0	1.0
Sulfate	mg/L	110	89	89	92	77	120	130	110
Nitrate Nitrogen	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.085
Nitrite Nitrogen	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.096
Total Kjeldahl Nitrogen	mg/L	0.40	0.51	0.34	0.43	0.38	0.43	0.40	0.38
Total Nitrogen	mg/L	0.40	0.51	0.34	0.43	0.38	0.43	0.40	0.56
Total Cyanide	mg/L	0.054	0.049	0.042	0.049	0.038	0.049	0.054	0.038
Total Dissolved Solids (TDS)	mg/L	630	570	580	570	570	510	520	450
WAD Cyanide	mg/L	<0.010	<0.010	<0.010	0.018	0.013	<0.010	0.016	<0.010
Electrical Conductivity	µmhos/cm	880	850	880	870	830	780	740	650
Aluminum	mg/L	2.0	2.0	1.8	2.1	1.6	2.6	2.8	2.1
Barium	mg/L	0.024	0.022	0.029	0.027	0.021	0.029	0.034	0.026
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.02	<0.10	0.032	0.031	0.027	0.027	0.030	0.024
Calcium	mg/L	5.4	5.3	5.9	6.3	5.4	6.0	7.4	5.4
Cobalt	mg/L	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	<0.0020
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	1.2	1.3	1.2	1.4	0.99	1.4	1.6	1.3
Lithium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Magnesium	mg/L	0.31	0.39	0.43	0.40	0.37	0.40	0.37	0.31
Manganese	mg/L	0.030	0.032	0.032	0.031	0.023	0.036	0.044	0.032
Molybdenum	mg/L	<0.0050	0.0060	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Phosphorus	mg/L	0.49	0.46	0.54	0.49	0.45	0.54	0.52	0.51
Potassium	mg/L	3.5	3.5	3.6	3.7	3.7	3.2	3.2	2.9
Scandium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon	mg/L	19	18	19	21	17	24	25	22
Sodium	mg/L	190	200	200	220	200	180	160	140
Strontium	mg/L	0.06	<0.10	0.070	0.073	0.065	0.070	0.077	0.055
Tin	mg/L	<0.010	<0.10	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.04	<0.10	0.033	0.035	0.026	0.037	0.045	0.032
Vanadium	mg/L	0.022	0.022	0.026	0.025	0.023	0.031	0.032	0.032
Zinc	mg/L	0.037	0.034	0.038	0.037	0.028	0.040	0.050	0.041
Antimony	mg/L	0.43	0.50	0.48	0.45	0.38	0.47	0.50	0.46
Arsenic	mg/L	2.7	2.9	2.7	2.4	2.1	2.6	3.2	2.8
Beryllium	mg/L	<0.00035	<0.00035	<0.00035	<0.00035	0.0005	<0.00035	0.0011	0.00042
Cadmium	mg/L	<0.0009	<0.00090	<0.00090	<0.00090	<0.00090	0.0012	<0.00090	<0.00090
Chromium	mg/L	<0.0010	0.0011	0.0022	0.0016	0.0021	0.0021	0.0023	0.0026
Copper	mg/L	0.014	0.020	0.020	0.021	0.016	0.025	0.024	0.023
Lead	mg/L	0.23	0.20	0.24	0.21	0.16	0.28	0.32	0.24
Nickel	mg/L	0.0027	0.0033	0.0025	0.0032	0.0024	0.0034	0.0036	0.0033
Selenium	mg/L	0.011	0.010	0.0098	0.0097	0.0083	0.011	0.011	0.010
Silver	mg/L	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
Thallium	mg/L	<0.0004	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Uranium	mg/L	0.069	0.054	0.054	0.052	0.043	0.043	0.040	0.028
Mercury	mg/L	<0.00010	0.00010	<0.00010	<0.00010	<0.0010	<0.00010	<0.00010	<0.00010
Anions	meq/L	9.90	9.16	9.23	--	9.04	8.63	8.47	7.44
Cations	meq/L	8.91	9.35	9.35	--	9.30	8.58	7.81	6.74
Error	%	5.2	<1.0	<1.0	--	1.4	<1.0	4.1	5.0
Cyanate	mg/L	0.43	0.13	<0.20	0.08	<0.050	<0.050	<0.050	0.13
Thiocyanate	mg/L	0.14	0.34	<0.10	0.31	0.23	<0.10	0.24	<0.10
Ammonia, as Nitrogen	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Table 6-103.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63316 (continued)

		63316 (17, Jun) Humidity Cell	63316 (1, Jul) Humidity Cell	63316 (15, Jul) Humidity Cell	63316 (29, Jul) Humidity Cell	63316 (12, Aug) Humidity Cell	63316 (26, Aug) Humidity Cell	63316 (9, Sep) Humidity Cell
	WET Lab No.:	1306373	1307018	1307323	1307665	1308215	1308505	1309142
	Report Date:	27-Jun-13	15-Jul-13	22-Jul-13	5-Aug-13	27-Aug-13	6-Sep-13	17-Sep-13
Constituent	Unit							
pH	pH Units	8.72	8.67	8.68	8.61	7.54	8.01	8.49
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	290	280	290	290	39	260	190
Carbonate (CO ₃)	mg/L	14	15	14	14	<1.0	<1.0	5.1
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	260	260	260	260	32	220	160
Redox Potential	mV	-141	-81	-134	-53	-64	-155	-166
Chloride	mg/L	<0.10	0.35	0.14	0.79	<0.10	0.51	0.17
Fluoride	mg/L	0.95	<1.0	0.95	0.89	<0.10	0.72	0.46
Sulfate	mg/L	120	79	100	95	5.2	84	150
Nitrate Nitrogen	mg/L	0.098	0.089	0.12	0.34	<0.010	0.23	0.17
Nitrite Nitrogen	mg/L	0.080	0.16	0.081	0.083	0.069	0.070	0.071
Total Kjeldahl Nitrogen	mg/L	0.45	0.54	0.68	0.81	0.10	1.8	0.70
Total Nitrogen	mg/L	0.63	0.78	0.88	1.2	0.17	2.1	0.94
Total Cyanide	mg/L	0.045	0.053	<0.010	<0.010	<0.010	0.097	0.033
Total Dissolved Solids (TDS)	mg/L	490	480	470	450	49	520	440
WAD Cyanide	mg/L	0.011	0.018	<0.010	<0.010	<0.010	<0.010	<0.010
Electrical Conductivity	µmhos/cm	700	650	660	680	75	590	680
Aluminum	mg/L	2.9	2.6	3.6	2.3	0.27	6.4	1.1
Barium	mg/L	0.034	0.032	0.048	0.031	0.0078	0.068	0.012
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.024	0.025	0.026	0.033	<0.020	0.038	0.020
Calcium	mg/L	7.4	7.1	8.8	6.9	3.1	13	4.5
Cobalt	mg/L	0.0025	<0.0020	0.0023	0.0020	<0.0020	0.010	<0.0020
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	1.6	1.5	2.0	1.4	0.16	4.6	0.62
Lithium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Magnesium	mg/L	0.36	0.38	0.54	0.34	<0.25	0.91	<0.25
Manganese	mg/L	0.043	0.043	0.048	0.041	0.0061	0.086	0.0089
Molybdenum	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0062	<0.0050
Phosphorus	mg/L	0.53	0.50	0.80	0.52	0.23	0.95	0.34
Potassium	mg/L	3.4	3.5	4.8	3.9	0.46	5.0	4.0
Scandium	mg/L	0.0012	<0.0010	<0.0010	<0.0010	<0.0010	0.0019	<0.0010
Silicon	mg/L	26	26	--	25	1.9	38	17
Sodium	mg/L	150	140	190	150	14	160	140
Strontium	mg/L	0.075	0.068	0.084	0.069	0.025	0.12	0.061
Tin	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.042	0.037	0.044	0.031	<0.0050	0.068	0.013
Vanadium	mg/L	0.031	0.034	0.034	0.026	<0.010	0.032	0.013
Zinc	mg/L	0.052	0.054	0.063	0.060	<0.010	0.076	<0.010
Antimony	mg/L	0.50	0.54	0.55	0.52	0.073	0.43	0.26
Arsenic	mg/L	2.3	2.5	2.1	1.7	0.15	2.5	1.1
Beryllium	mg/L	<0.0035	0.0004	0.00058	<0.00035	<0.00035	0.0009	<0.00035
Cadmium	mg/L	<0.0090	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090
Chromium	mg/L	<0.010	0.0019	0.0022	0.0017	<0.0010	0.0040	<0.0010
Copper	mg/L	<0.025	0.031	0.023	0.020	0.0037	0.087	0.015
Lead	mg/L	0.31	0.28	0.33	0.24	0.11	0.53	0.085
Nickel	mg/L	<0.010	0.0039	0.0038	0.0032	<0.0010	0.012	0.0022
Selenium	mg/L	<0.020	0.0098	0.0089	0.0094	<0.0020	0.049	0.0090
Silver	mg/L	<0.015	<0.0015	<0.0015	<0.0015	<0.0015	0.0015	<0.0015
Thallium	mg/L	<0.0040	<0.00040	<0.00040	<0.00040	<0.0010	<0.00040	<0.00040
Uranium	mg/L	0.030	0.028	0.029	0.031	0.0026	0.053	0.031
Mercury	mg/L	0.00011	0.00014	0.00010	<0.00010	<0.00010	0.00028	<0.00010
Anions	meq/L	7.78	6.75	7.36	7.29	0.75	6.08	6.45
Cations	meq/L	7.39	6.91	9.38	7.30	0.80	8.79	6.58
Error	%	2.5	1.1	12	<1.0	3.6	18	<1.0
Cyanate	mg/L	<0.10	0.06	0.07	<0.050	<0.10	0.16	0.10
Thiocyanate	mg/L	<0.10	0.27	0.35	0.21	<0.10	0.62	<0.10
Ammonia, as Nitrogen	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	0.27	0.069

Table 6-104.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63322

Constituent	Unit	63322 (19, Nov) Humidity Cell	63322 (26, Nov) Humidity Cell	63322 (10, Dec) Humidity Cell	63322 (17, Dec) Humidity Cell	63322 (24, Dec) Humidity Cell
	WET Lab No.:	1211340	1211413	1212169	1212310	1212518
	Report Date:	4-Dec-12	5-Dec-12	26-Dec-12	28-Dec-12	4-Jan-13
Constituent	Unit					
pH	pH Units	8.78	8.75	8.88	8.87	8.99
Acidity (Titrimetric)	mg/L as CaCO ₃	-124	-119	-183	-165	-115
Bicarbonate (HCO ₃)	mg/L	670	630	580	430	880
Carbonate (CO ₃)	mg/L	44	39	49	38	89
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	620	580	560	420	870
Redox Potential	mV	200	44	240	220	270
Total Kjeldahl Nitrogen	mg/L	7.5	1.8	0.89	1.3	4.3
Total Nitrogen	mg/L	23	4.2	1.2	1.6	11
Total Dissolved Solids (TDS)	mg/L	2600	2600	2400	1300	1400
Electrical Conductivity	µmhos/cm	4200	4000	3600	2100	2100
Chloride	mg/L	130	100	85	2.8	44
Fluoride	mg/L	1.3	1.2	1.2	1.4	2.0
Sulfate	mg/L	1100	1200	1100	390	150
Nitrate Nitrogen	mg/L	15	2.0	0.74	<1.0	1.3
Nitrite Nitrogen	mg/L	0.86	0.42	0.26	0.28	6.3
Aluminum	mg/L	0.54	0.46	0.95	1.4	8.2
Barium	mg/L	0.024	0.024	0.021	0.020	0.072
Beryllium	mg/L	<0.0004	0.0002	<0.0010	0.0005	0.0011
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.18	0.16	0.16	0.16	0.22
Cadmium	mg/L	<0.0020	<0.0020	0.0011	<0.0002	0.0004
Calcium	mg/L	10	8.9	11	6.9	19
Chromium	mg/L	<0.0010	0.0015	0.0015	0.0018	0.021
Cobalt	mg/L	0.024	0.010	0.01	0.008	0.024
Copper	mg/L	0.10	0.076	0.27	0.51	1.3
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	0.26	0.24	0.50	0.76	7.5
Lithium	mg/L	0.17	0.17	0.15	0.09	0.10
Magnesium	mg/L	3.1	3.0	2.6	1.1	2.7
Manganese	mg/L	0.0068	0.0051	0.013	0.021	0.13
Molybdenum	mg/L	0.014	<0.0050	0.007	0.005	0.015
Nickel	mg/L	<0.0020	<0.0020	0.0035	0.014	0.27
Phosphorus	mg/L	0.26	0.19	0.25	0.38	0.70
Potassium	mg/L	11	12	9.5	5.6	7.2
Scandium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.00
Silver	mg/L	0.0006	0.0011	0.0015	<0.0025	0.0071
Sodium	mg/L	1000	1100	810	470	500
Strontium	mg/L	0.33	0.33	0.29	0.12	0.32
Tin	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.01	0.01	0.02	0.03	0.08
Vanadium	mg/L	0.018	0.017	0.017	0.020	0.045
Zinc	mg/L	0.016	0.011	0.031	0.030	0.41
Mercury	mg/L	<0.0007	<0.0007	0.00034	0.0004	<0.00077
Antimony	mg/L	0.42	0.35	0.41	0.42	0.34
Arsenic	mg/L	2.7	2.5	2.7	3.5	6.2
Lead	mg/L	0.071	0.053	0.11	0.15	0.38
Selenium	mg/L	<0.020	<0.020	0.014	0.013	0.018
Thallium	mg/L	<0.0020	<0.0002	<0.0002	<0.0002	<0.0002
Anions	meq/L	--	--	--	--	--
Cations	meq/L	--	--	--	--	--
Error	%	--	--	--	--	--
Cyanate	mg/L	13	8.5	5.3	4.2	3.5
Thiocyanate	mg/L	5.3	2.5	1.2	1.7	9.9
Ammonia, as Nitrogen	mg/L	6.2	0.55	0.33	0.16	0.60
Total Cyanide	mg/L	0.14	0.17	0.33	0.48	1.2
Cyanide, WAD	mg/L	0.033	0.065	0.16	0.48	1.2
Silicon	mg/L	13	13	16	16	33
Uranium	mg/L	0.18	0.14	0.12	0.052	0.066
Total Organic Carbon	mg/L	--	--	7.6	--	--

Table 6-105.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63322 (continued)

Constituent	Unit	63322 (31, Dec) Humidity Cell	63322 (7, Jan) Humidity Cell	63322 (14, Jan) Humidity Cell	63322 (21, Jan) Humidity Cell	63322 (28, Jan) Humidity Cell
	WET Lab No.:	1301003	1301079	1301186	1301295	1301402
	Report Date:	10-Jan-13	15-Jan-13	22-Jan-13	28-Jan-13	2-Feb-13
Constituent	Unit					
pH	pH Units	8.82	8.92	8.90	8.85	8.76
Acidity (Titrimetric)	mg/L as CaCO ₃	-129	-133	-135	-101	-145
Bicarbonate (HCO ₃)	mg/L	690	670	630	650	640
Carbonate (CO ₃)	mg/L	49	62	61	35	29
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	650	660	620	590	570
Redox Potential	mV	300	250	290	330	370
Total Kjeldahl Nitrogen	mg/L	0.90	0.62	0.65	0.64	0.64
Total Nitrogen	mg/L	1.3	0.70	0.71	0.68	0.64
Total Dissolved Solids (TDS)	mg/L	780	790	730	720	700
Electrical Conductivity	µmhos/cm	1200	1200	1200	1100	1100
Chloride	mg/L	1.3	0.38	0.21	0.25	0.27
Fluoride	mg/L	1.4	1.1	1.1	1.1	1.1
Sulfate	mg/L	28	21	20	23	26
Nitrate Nitrogen	mg/L	0.39	<0.10	<0.10	0.034	<0.10
Nitrite Nitrogen	mg/L	0.36	0.078	0.061	0.046	<0.010
Aluminum	mg/L	3.1	2.3	2.2	2.1	2.0
Barium	mg/L	0.029	0.026	0.026	0.025	0.025
Beryllium	mg/L	0.0002	0.0006	0.0004	0.0005	<0.0002
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.13	0.14	0.12	0.11	0.11
Cadmium	mg/L	<0.0002	<0.0002	0.0006	0.0004	<0.0002
Calcium	mg/L	6.6	5.2	5.3	5.1	5.1
Chromium	mg/L	0.0034	0.0027	0.0026	0.0025	0.0028
Cobalt	mg/L	0.006	0.005	0.005	0.004	0.0039
Copper	mg/L	0.29	0.23	0.23	0.14	0.11
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	2.0	1.2	1.2	1.1	1.1
Lithium	mg/L	0.06	0.06	0.06	0.05	0.056
Magnesium	mg/L	0.82	0.66	0.65	0.60	0.65
Manganese	mg/L	0.046	0.036	0.033	0.033	0.032
Molybdenum	mg/L	0.005	0.005	<0.0050	<0.0050	<0.0050
Nickel	mg/L	0.0096	0.0035	0.0031	0.0028	0.0027
Phosphorus	mg/L	0.58	0.53	0.54	0.48	0.39
Potassium	mg/L	4.1	3.8	3.7	3.4	3.6
Scandium	mg/L	0.00	<0.0010	<0.0010	<0.0010	<0.0010
Silver	mg/L	0.0026	0.0006	<0.0005	<0.0005	0.00051
Sodium	mg/L	280	290	270	240	250
Strontium	mg/L	0.10	0.09	0.08	0.08	0.078
Tin	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.07	0.07	0.07	0.07	0.077
Vanadium	mg/L	0.021	0.023	0.026	0.024	0.021
Zinc	mg/L	0.084	0.054	0.045	0.041	0.038
Mercury	mg/L	<0.0007	<0.0007	<0.0004	<0.0007	0.00087
Antimony	mg/L	0.35	0.34	0.35	0.29	0.31
Arsenic	mg/L	4.3	4.0	3.8	3.2	3.2
Lead	mg/L	0.26	0.25	0.24	0.21	0.22
Selenium	mg/L	0.014	0.014	0.014	0.012	0.0089
Thallium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Anions	meq/L	13.6	13.6	12.8	12.4	12.1
Cations	meq/L	11.8	12.0	11.1	11.1	11.6
Error	%	7.0	6.1	7.3	5.3	2.1
Cyanate	mg/L	3.2	2.3	2.0	2.8	2.9
Thiocyanate	mg/L	1.9	1.9	1.2	1.0	1.3
Ammonia, as Nitrogen	mg/L	0.45	0.072	<0.050	<0.050	<0.050
Total Cyanide	mg/L	0.12	0.090	0.056	0.041	0.046
Cyanide, WAD	mg/L	0.082	0.066	0.029	0.015	0.017
Silicon	mg/L	20	19	19	18	18
Uranium	mg/L	0.063	0.069	0.071	0.053	0.053

Table 6-106.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63322 (continued)

		63322 (4, Feb)	63322 (11, Feb)	63322 (18, Feb)	63322 (25, Feb)	63322 (4, Mar)	63322 (11, Mar)	63322 (18, Mar)	63322 (25, Mar)
	WET Lab No.:	1302024	1302163	1302292	1302382	1303031	1303185	1303326	1303472
	Report Date:	15-Feb-13	15-Feb-13	4-Mar-13	1-Mar-13	11-Mar-13	27-Mar-13	25-Mar-13	1-Apr-13
Constituent	Unit								
pH	pH Units	8.68	8.84	8.60	8.77	8.63	9.11	8.71	8.76
Acidity (Titrimetric)	mg/L as CaCO ₃	-93	-74	-15	-102	-37	--	--	--
Bicarbonate (HCO ₃)	mg/L	650	620	630	600	580	750	570	480
Carbonate (CO ₃)	mg/L	23	40	17	29	19	94	25	26
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	570	580	540	540	500	770	510	430
Redox Potential	mV	320	290	180	440	24	-91	-60	-182
Total Kjeldahl Nitrogen	mg/L	0.88	1.1	0.96	0.58	0.47	2.3	0.43	0.46
Total Nitrogen	mg/L	0.88	1.1	0.96	0.64	0.49	11	0.52	0.47
Total Dissolved Solids (TDS)	mg/L	670	680	710	620	620	1100	660	570
Electrical Conductivity	µmhos/cm	1100	1100	1000	1000	960	1700	1000	860
Chloride	mg/L	0.20	0.20	1.1	<0.10	<0.10	17	<0.10	<0.10
Fluoride	mg/L	1.0	0.93	0.84	0.75	0.72	1.5	0.65	0.66
Sulfate	mg/L	25	25	24	23	24	73	38	44
Nitrate Nitrogen	mg/L	<0.010	<0.010	0.061	0.023	0.017	0.28	<0.010	<0.010
Nitrite Nitrogen	mg/L	<0.010	<0.010	<0.010	0.033	<0.010	8.0	0.084	0.012
Aluminum	mg/L	1.8	2.1	2.2	2.0	1.8	1.6	2.2	2.2
Barium	mg/L	0.025	0.027	0.029	0.027	0.023	0.030	0.036	0.030
Beryllium	mg/L	<0.0002	<0.0002	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.094	0.095	0.084	0.076	0.076	0.17	0.078	0.05
Cadmium	mg/L	<0.0002	<0.0002	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
Calcium	mg/L	5.3	5.1	5.5	5.8	5.0	5.8	6.5	5.2
Chromium	mg/L	0.0025	0.0028	0.0042	0.0026	0.0025	0.012	0.0054	0.0014
Cobalt	mg/L	0.004	0.004	0.003	0.0030	0.003	0.013	0.0029	0.002
Copper	mg/L	0.13	0.093	0.077	0.068	0.075	0.11	0.051	0.051
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	1.1	1.3	1.5	1.2	1.1	1.3	1.3	1.4
Lithium	mg/L	0.05	0.05	0.06	0.053	0.05	0.09	0.054	0.04
Magnesium	mg/L	0.65	0.69	0.71	0.68	0.60	2.6	0.76	0.60
Manganese	mg/L	0.033	0.036	0.040	0.035	0.032	0.035	0.037	0.036
Molybdenum	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.008	<0.0050	<0.0050
Nickel	mg/L	0.0029	0.0034	0.0036	0.0032	0.0032	0.15	0.0080	0.0050
Phosphorus	mg/L	0.35	0.40	0.43	0.42	0.42	0.70	0.43	0.43
Potassium	mg/L	3.6	3.7	3.7	3.6	3.1	5.7	3.6	3.3
Scandium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	<0.0010
Silicon	mg/L	18	19	18	18	18	19	19	18
Silver	mg/L	<0.0005	<0.0005	<0.0015	<0.0015	<0.0015	0.0023	<0.0015	<0.0015
Sodium	mg/L	250	240	240	230	210	370	230	200
Strontium	mg/L	0.08	0.08	0.08	0.081	0.07	0.08	0.090	0.07
Tin	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.07	0.08	0.08	0.076	0.07	0.07	0.072	0.07
Vanadium	mg/L	0.020	0.020	0.018	0.020	0.015	0.034	0.018	0.016
Zinc	mg/L	0.046	0.037	0.039	0.047	0.036	0.10	0.10	0.053
Mercury	mg/L	<0.0007	<0.0007	<0.0010	<0.0010	0.0010	<0.0010	<0.0010	<0.0010
Antimony	mg/L	0.29	0.30	0.28	0.25	0.26	0.37	0.24	0.18
Arsenic	mg/L	2.9	2.8	2.7	2.4	2.3	4.2	2.2	1.7
Lead	mg/L	0.22	0.23	0.23	0.23	0.21	0.22	0.22	0.22
Selenium	mg/L	<0.0020	0.0080	0.0071	0.0089	<0.0020	0.014	0.0053	0.0065
Thallium	mg/L	<0.0002	<0.0002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Uranium	mg/L	0.046	0.047	0.044	0.043	0.042	0.082	0.047	0.048
Anions	meq/L	12.0	12.1	11.5	11.3	10.7	17.5	11.0	9.68
Cations	meq/L	11.6	10.4	11.0	9.69	9.78	15.9	10.8	9.42
Error	%	1.9	7.4	1.9	7.8	4.4	4.9	<1.0	1.4
Cyanate	mg/L	3.1	3.2	4.9	3.2	2.7	<0.15	0.62	0.41
Thiocyanate	mg/L	1.3	1.1	0.96	1.1	0.81	1.7	0.13	0.41
Ammonia, as Nitrogen	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	0.18	<0.050	<0.050
Total Cyanide	mg/L	0.033	0.046	0.033	0.050	0.038	0.60	0.048	0.041
WAD Cyanide	mg/L	<0.010	0.024	<0.010	<0.050	0.030	0.48	0.019	0.014

Table 6-107.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63322 (continued)

		63322 (1, Apr)	63322 (8, Apr)	63322 (15, Apr)	63322 (22, Apr)	63322 (6, May)	63322 (20, May)	63322 (3, Jun)	63322 (17, Jun)
	WET Lab No.:	1304011	1304141	1304261	1304391	1305109	1305401	1306005	1306373
	Report Date:	8-Apr-13	15-Apr-13	22-Apr-13	29-Apr-13	14-May-13	29-May-13	17-Jun-13	27-Jun-13
Constituent	Unit								
pH	pH Units	8.75	8.78	8.68	8.61	8.68	8.65	8.57	9.04
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	460	470	440	450	420	420	410	550
Carbonate (CO ₃)	mg/L	25	24	19	15	19	16	12	60
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	420	420	390	390	380	370	360	550
Redox Potential	mV	-128	-150	-178	-48	-128	-186	-206	-218
Chloride	mg/L	<0.10	<0.10	<0.10	<0.10	0.11	0.12	0.10	7.3
Fluoride	mg/L	0.60	0.63	0.56	0.56	0.57	0.54	0.59	0.88
Sulfate	mg/L	48	58	62	76	80	38	33	53
Nitrate Nitrogen	mg/L	0.011	<0.010	<0.010	<0.010	<0.010	0.084	0.089	0.28
Nitrite Nitrogen	mg/L	0.042	0.015	0.028	0.040	0.062	0.14	0.14	6.5
Total Kjeldahl Nitrogen	mg/L	0.40	0.34	0.28	0.32	1.5	1.9	2.6	5.9
Total Nitrogen	mg/L	0.45	0.35	0.28	0.32	1.6	2.2	2.8	13
Total Cyanide	mg/L	0.041	0.068	0.041	0.067	2.3	2.3	3.9	6.0
Total Dissolved Solids (TDS)	mg/L	560	570	540	560	520	490	460	770
WAD Cyanide	mg/L	0.024	0.049	0.024	0.036	1.9	2.2	3.7	5.6
Electrical Conductivity	µmhos/cm	860	920	870	930	840	760	720	1200
Aluminum	mg/L	2.1	1.4	1.5	1.4	1.4	1.2	1.1	2.4
Barium	mg/L	0.029	0.022	0.023	0.022	0.021	0.019	0.018	0.055
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.060	0.067	0.060	0.052	0.048	0.044	0.039	0.12
Calcium	mg/L	5.8	4.9	5.0	4.2	4.7	4.7	4.5	15
Cobalt	mg/L	0.0023	0.0026	<0.0020	0.0021	0.0050	0.011	0.036	0.030
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	1.4	0.87	0.99	0.86	0.86	0.70	4.0	4.0
Lithium	mg/L	0.044	0.043	0.044	0.041	0.044	0.038	0.037	0.077
Magnesium	mg/L	0.61	0.56	0.59	0.54	0.56	0.50	0.47	2.8
Manganese	mg/L	0.035	0.026	0.025	0.023	0.024	0.025	0.022	0.071
Molybdenum	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Phosphorus	mg/L	0.39	0.42	<0.50	0.39	0.36	0.35	0.33	0.56
Potassium	mg/L	3.1	3.0	3.2	3.0	3.0	2.9	2.8	4.8
Scandium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010
Silicon	mg/L	18	16	17	16	16	15	15	19
Sodium	mg/L	200	210	230	200	210	170	160	270
Strontium	mg/L	0.071	0.069	0.070	0.059	0.070	0.063	0.058	0.21
Tin	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.074	0.047	0.051	0.046	0.042	0.039	0.035	0.046
Vanadium	mg/L	0.016	0.018	0.019	0.018	0.016	0.014	0.012	0.024
Zinc	mg/L	0.042	0.037	0.028	0.025	0.028	0.026	0.022	0.53
Antimony	mg/L	0.22	0.21	0.20	0.21	0.20	0.19	0.21	0.29
Arsenic	mg/L	1.8	1.7	1.6	1.5	1.4	1.4	1.5	2.5
Beryllium	mg/L	<0.00035	0.0004	<0.00035	0.0004	<0.00035	0.00093	<0.00035	<0.00035
Cadmium	mg/L	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090
Chromium	mg/L	0.0020	0.0029	0.0019	0.0021	0.0020	0.0020	0.0030	0.024
Copper	mg/L	0.049	0.043	0.032	0.026	1.1	1.7	3.1	3.4
Lead	mg/L	0.20	0.18	0.17	0.17	0.18	0.16	0.17	0.23
Nickel	mg/L	0.0041	0.0024	0.0026	0.0021	0.13	0.14	0.18	0.69
Selenium	mg/L	0.0067	0.0061	0.0062	0.0062	0.010	0.0086	0.0079	<0.020
Silver	mg/L	<0.0015	<0.0015	<0.0015	<0.0015	0.032	0.042	0.036	0.024
Thallium	mg/L	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Uranium	mg/L	0.045	0.046	0.048	0.049	0.050	0.045	0.043	0.071
Mercury	mg/L	<0.00010	0.00015	<0.00010	<0.0010	0.00037	0.00027	0.00029	0.00035
Anions	meq/L	9.40	9.74	--	9.49	9.29	8.33	7.99	12.6
Cations	meq/L	9.43	9.71	--	9.24	9.74	7.95	7.53	13.5
Error	%	<1.0	<1.0	--	1.3	2.4	2.3	2.9	3.4
Cyanate	mg/L	0.15	<0.20	0.09	0.09	0.09	<0.050	<0.050	2.4
Thiocyanate	mg/L	0.48	0.16	0.14	0.22	0.36	0.65	0.98	2.1
Ammonia, as Nitrogen	mg/L	<0.050	<0.050	<0.050	0.051	0.13	0.31	0.33	1.1

Table 6-108.
Eagle Gold Project
Humidity Cell Test Solution Analyses - KCA Test No. 63322 (continued)

		63322 (1, Jul) Humidity Cell	63322 (15, Jul) Humidity Cell	63322 (29, Jul) Humidity Cell	63322 (12, Aug) Humidity Cell	63322 (26, Aug) Humidity Cell	63322 (9, Sep) Humidity Cell
	WET Lab No.:	1307018	1307323	1307665	1308215	1308505	1309142
	Report Date:	15-Jul-13	22-Jul-13	5-Aug-13	27-Aug-13	6-Sep-13	17-Sep-13
Constituent	Unit						
pH	pH Units	8.49	8.48	8.40	8.42	8.32	8.30
Acidity (Titrimetric)	mg/L as CaCO ₃	--	--	--	--	--	--
Bicarbonate (HCO ₃)	mg/L	380	370	350	310	300	280
Carbonate (CO ₃)	mg/L	8.4	7.3	5.5	5.0	2.1	<1.0
Hydroxide (OH)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Alkalinity	mg/L as CaCO ₃	320	320	300	260	250	230
Redox Potential	mV	-260	-238	-67	-96	-138	-150
Chloride	mg/L	0.30	<0.10	<0.10	0.20	0.12	<0.10
Fluoride	mg/L	<1.0	0.43	0.40	0.38	0.37	0.32
Sulfate	mg/L	17	16	28	65	79	63
Nitrate Nitrogen	mg/L	0.086	0.086	0.080	<0.010	<0.010	0.081
Nitrite Nitrogen	mg/L	<0.010	0.13	0.099	<0.010	<0.010	0.10
Total Kjeldahl Nitrogen	mg/L	3.4	3.0	0.57	0.51	0.32	0.34
Total Nitrogen	mg/L	3.5	3.3	0.75	0.51	0.32	0.53
Total Cyanide	mg/L	2.2	3.6	<0.010	0.014	0.010	0.011
Total Dissolved Solids (TDS)	mg/L	420	370	380	420	400	360
WAD Cyanide	mg/L	1.3	3.2	<0.010	<0.010	<0.010	<0.010
Electrical Conductivity	µmhos/cm	630	630	620	630	630	600
Aluminum	mg/L	0.94	1.2	0.77	0.75	0.77	0.66
Barium	mg/L	0.016	0.024	0.015	0.014	0.012	0.0097
Bismuth	mg/L	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075
Boron	mg/L	0.029	0.042	0.038	0.032	0.033	0.024
Calcium	mg/L	5.1	5.9	4.7	4.6	5.0	4.3
Cobalt	mg/L	0.028	0.021	0.0038	0.0020	<0.0020	<0.0020
Gallium	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Iron	mg/L	0.52	0.72	0.53	0.44	0.44	0.35
Lithium	mg/L	0.034	0.044	0.039	0.042	0.045	0.041
Magnesium	mg/L	0.46	0.56	0.44	0.43	0.44	0.37
Manganese	mg/L	0.018	0.022	0.017	0.013	0.013	0.022
Molybdenum	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Phosphorus	mg/L	0.33	0.61	0.45	0.42	0.35	0.27
Potassium	mg/L	2.9	3.6	2.7	2.6	3.4	3.0
Scandium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon	mg/L	14	--	14	12	12	11
Sodium	mg/L	140	180	140	140	170	130
Strontium	mg/L	0.063	0.070	0.058	0.056	0.058	0.051
Tin	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Titanium	mg/L	0.027	0.028	0.021	0.019	0.018	0.012
Vanadium	mg/L	0.011	0.013	0.011	<0.010	<0.010	<0.010
Zinc	mg/L	0.025	0.032	0.024	0.018	0.016	0.035
Antimony	mg/L	0.18	0.19	0.20	0.18	0.19	0.19
Arsenic	mg/L	1.1	1.1	0.92	0.71	0.68	0.62
Beryllium	mg/L	<0.00035	0.00044	<0.00035	<0.00035	<0.00035	<0.00035
Cadmium	mg/L	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090
Chromium	mg/L	0.0014	0.0015	0.0012	0.0011	<0.0010	<0.0010
Copper	mg/L	3.4	2.4	0.032	0.024	0.023	0.012
Lead	mg/L	0.12	0.12	0.10	0.10	0.089	0.061
Nickel	mg/L	0.12	0.077	0.0052	0.0013	0.0011	0.0022
Selenium	mg/L	0.0075	0.0053	0.0043	0.0031	0.0069	0.0025
Silver	mg/L	0.012	0.0090	<0.0015	<0.0015	<0.0015	<0.0015
Thallium	mg/L	<0.00040	<0.00040	<0.00040	<0.0010	<0.00040	<0.00040
Uranium	mg/L	0.039	0.036	0.040	0.042	0.039	0.031
Mercury	mg/L	0.00014	0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Anions	meq/L	6.93	6.79	6.53	6.63	6.65	5.92
Cations	meq/L	6.67	8.53	6.51	6.49	7.84	6.04
Error	%	1.9	11	<1.0	1.0	8.2	<1.0
Cyanate	mg/L	0.22	0.39	<0.050	<0.10	<0.10	<0.10
Thiocyanate	mg/L	1.7	1.4	<0.10	<0.10	<0.10	<0.10
Ammonia, as Nitrogen	mg/L	0.16	0.35	<0.050	<0.050	<0.050	<0.050

6.6 Percent Slump and Final Apparent Bulk Density

The height of material in each column was measured before leaching, and after detoxification and humidity cell test work (if applicable). This height was utilized to calculate the “slump” during testing as well as to calculate the final apparent bulk density for the material in the column. The percent slump of a column gives an indication of potential permeability problems in production heaps. KCA typically classifies slumps larger than 10% as high.

The height, slump and final apparent bulk density from the column leach tests are presented in Table 6-109.

Table 6-109.
Eagle Gold Project
Percent Slump and Final Apparent Bulk Density

KCA Sample No.	KCA Test No.	Description	Target p80 Size, mm	Initial Ht., meters	Final Ht., meters	Slump, %	Final Apparent Bulk Density, MTdry/m ³
48158	63301	Environmental Composite	6.3	1.530	1.461	4.6%	1.474
48158	63304	Environmental Composite	6.3	1.543	1.495	3.1%	1.438
48158	63307	Environmental Composite	6.3	1.524	1.470	3.5%	1.465
48158	63310	Environmental Composite	6.3	1.556	1.489	4.3%	1.445
48158	63313	Environmental Composite	6.3	1.543	1.486	3.7%	1.446
48158	63316	Environmental Composite	6.3	1.518	1.422	6.3%	1.514
48158	63319	Environmental Composite	6.3	1.492	1.467	1.7%	1.472
48158	63322	Environmental Composite	6.3	1.562	1.486	4.9%	1.449

6.7 Tailings Preparation and Analyses

The tailings material from KCA Test Nos. 63304, 63307, 63310, 63313 and 63319 were dumped, coned three (3) times and quartered. Two (2) opposite quarters were combined and utilized for compacted permeability test work. The remaining two (2) opposite quarters were combined, weighed and oven dried for moisture content. The dried tailings were then utilized for a tail screen analysis with assays by size fraction.

The humidity cell tailings material from select tests (KCA Test No. 63301, 63316 and 63322) were sampled in 20 centimeter intervals, weighed and submitted to SGS Mineral Services in Burnaby, Canada.

A summary of the humidity cell tailings intervals submitted to SGS is presented in Table 6-110.

Table 6-110.
Eagle Gold Project
Humidity Cell Tailings - Interval Samples to SGS

KCA Sample	KCA Test No.	Description	Column Interval, m		Weight, kg
			From	To	
48158	63301	Environmental Composite	Top	0.20	5.52
			0.20	0.40	5.79
			0.40	0.60	5.83
			0.60	0.80	5.76
			0.80	1.00	6.14
			1.00	1.20	4.77
			1.20	Bottom	6.78
48158	63316	Environmental Composite	Top	0.20	5.49
			0.20	0.40	5.54
			0.40	0.60	5.78
			0.60	0.80	6.20
			0.80	1.00	5.98
			1.00	1.20	5.45
			1.20	Bottom	6.44
48158	63322	Environmental Composite	Top	0.20	5.57
			0.20	0.40	5.60
			0.40	0.60	5.62
			0.60	0.80	5.93
			0.80	1.00	5.68
			1.00	1.20	5.67
			1.20	Bottom	7.37

6.7.1 Compacted Permeability Test Work on Column Tailings

The purpose of the compacted permeability test work was to examine the permeability of the tailings material under compaction loading equivalent to heap heights of 25, 50, 75, 100 and 125 meters of overall heap height.

The test cell utilized for modeling the permeability of stacked material at various heap heights was a steel column or cell. Staged axial (vertical) loading of the test material was utilized to simulate the increased pressure obtained when loading the heap.

At the top and at the base of the column were drainage layers. The load was applied to the charge of material utilizing a perforated steel plate of a known diameter. The diameter of the plate was such that the plate moved freely within the walls of the column.

6.7.2 Compacted Permeability Test Procedure

Compacted permeability test work was conducted on the column tailings material from select tests (KCA Test Nos. 63304, 63307, 63310, 63313 and 63319). The material utilized for each test was previously agglomerated with cement (3.0 kilograms per metric tonne of dry ore) for the column leach phase of testing. Separate test samples were loaded into a column and subjected to loads equivalent to 25, 50, 75, 100 and 125 meters of overall heap height (assuming a heap density equivalent to 1.8 tonnes per cubic meter).

The procedure for the compacted permeability tests was as follows:

1. A 20 kilogram portion of previously agglomerated column tailings material was split out, blended and split into four (4) equal portions “lifts”.
2. A 5 kilogram portion “lift” was loaded into a 200 millimeter diameter column and the non-compacted height of the material was measured. The material was then compacted utilizing a hydraulic ram and the height of the material within the cell was measured. Additional lifts of equivalent weight were added and compacted until a total of 20 kilograms of material had been added to the column (four lifts).
3. Solution was allowed to flow into the base of the column by a constant head tank at a pressure equal to 31 kilopascals. The column was allowed to flood and the resulting solution in the column was allowed to build up until a solution head of 75 millimeters was obtained.
4. The solution was then allowed to drain from the column while the solution head on the test sample was maintained. The rate at which solution drained from the column was then measured multiple times and the color and clarity of this solution was noted. Overall slump of material in the column was measured.

The “load” applied to the compacted permeability tests was measured using both a pressure gauge located on the hydraulic jack as well as a load cell located underneath the test column. For this test program the “loads” that were utilized were as follows: for a 25 meter equivalent height a load of 1,459 kilograms was utilized, for a 50 meter equivalent height a load of 2,919 kilograms was utilized, for a 75 meter equivalent height a load of 4,378 kilograms was utilized, for a 100 meter equivalent height a load of 5,837 kilograms was utilized, and for a 125 meter equivalent height a load of 7,297 kilograms was utilized.

6.7.3 Discussion of the Compacted Permeability Test Results

These tests are intended to simulate the heap percolation rate at the very bottom of a heap under the compressive load of the respective total heap height.

The overall results of the tests are then examined to determine Pass or Failure. The flow rate, slump, pellet breakdown and solution color and clarity are all monitored to provide meaningful indications and to help judge what represents a “Pass” or “Fail”.

Guidelines that KCA utilizes when reviewing the results from this type of test are presented in the following:

1. In KCA’s compacted permeability tests, a slump of over 10% is generally an indication of failure. One item also examined is the consistency of results with regard to slump. For instance, if things worked perfectly, a lower slump with higher cement levels could be expected.
2. A typical heap leach solution application rate of 10 to 12 liters per hour per square meter is utilized when examining the agglomeration data. When examining results from this type of agglomeration test a measured flow of ten times (10X) the heap design rate is considered a “pass”. A measured flow less than 10X the heap design flow is not necessarily a failure. If there are enough tests with enough consistency between tests, and all other points indicate a “pass,” and then sometimes a test will pass with less than the 10X flow. However, a test will not likely pass at 1X and probably not at 5X.
3. In examining the Pellet Breakdown, about 15% is marginally acceptable and anything higher is a failure. In general, a higher range is allowable in Pellet Breakdown as this is a subjective value based on the visual observation of the pellets after the test by the technicians performing the test. When the samples tested are not agglomerated using cement, this test is not applicable.
4. Solution color and clarity typically is an indicator of agglomerate failure and fines migration. This information is utilized in coordination with both slump as well as Pellet Breakdown to determine if the test passes.

All compacted permeability tests passed the criteria put forth by KCA. A summary of the compacted permeability tests conducted on column tailings material is presented in Table 6-111. The results of the individual compacted permeability tests are presented in Tables 6-112 through 6-116.

Table 6-111.
Eagle Gold Project
Environmental Composite
Summary of Compacted Permeability Tests on Column Tailings

KCA Sample No.	KCA Test No.	Description	Cement ¹ Added, kg/MT	Effective Height, meters	Flow Rate, LpHr/m ²	Calc. p80 Size, mm	Pellet Breakdown, %	Slump, %	Pass/Fail
63304	67755 A	Environmental Composite	0	25	5,007	5.7	5%	1%	Pass
63307	67755 B	Environmental Composite	0	50	1,532	6.4	5%	1%	Pass
63310	67755 C	Environmental Composite	0	75	790	6.0	5%	0%	Pass
63313	67755 D	Environmental Composite	0	100	756	6.4	5%	1%	Pass
63319	67755 E	Environmental Composite	0	125	741	6.0	5%	0%	Pass

Note (1): Material utilized for compaction testing was previously agglomerated, and no additional cement was utilized.

Table 6-112.
Eagle Gold Project
Environmental Composite
KCA Sample No. 63304
KCA Test No. 67755 A
No Cement Agglomeration
Agglomerated Tailings Material, Calculated 80% passing 5.7 millimeters
Results of Compacted Permeability Test – Applied Load of 1,459 kilograms
Equivalent Load of 25 meters

KCA Sample No.	KCA Test No.	Dry Weight Added to Lift, kg	Column Inside Diameter, meters	Column Area, m ²	Cumulative Calculated Dry Weight, added to Lift, kg	Initial Height, cm	Dry Compacted Height, cm	Final Wet Compacted Height, cm	Dry to Wet Slump, %	Compacted Bulk Density, MT _{dry} /m ³	Visual Pellet Breakdown, %
63304	67755 A	4.91	0.20	0.032	4.91	10.80	8.26	--	--	1.83	--
		4.91	0.20	0.032	9.81	20.00	16.83	--	--	1.80	--
		4.91	0.20	0.032	14.72	28.58	26.04	--	--	1.74	--
		4.91	0.20	0.032	19.62	37.47	34.93	--	--	1.73	--
			0.20	0.032	19.62	--	--	34.61	1%	1.75	5%

KCA Test No.	Type	Load, meters	Out Flow Volume, Liters	Time, minutes	Time, hours	Flow Out, LpHr/m ²	Out Flow Solution, Color and Clarity	Cement Addition, kg/MT	Water Addition, milliliters
67755 A	Out flow	25	7.430	2.00	0.0333	6,873	Light Brown & Cloudy	0	0
	Out flow	25	6.680	2.00	0.0333	6,180	Light Brown & Cloudy		
	Out flow	25	5.960	2.00	0.0333	5,514	Light Brown & Cloudy		
	Out flow	25	5.260	2.00	0.0333	4,866	Light Brown & Cloudy		
	Out flow	25	4.660	2.00	0.0333	4,311	Light Brown & Cloudy		
	Out flow	25	4.500	2.00	0.0333	4,163	Light Brown & Cloudy		
Average -						5,007			

Table 6-113.
Eagle Gold Project
Environmental Composite
KCA Sample No. 63307
KCA Test No. 67755 B
No Cement Agglomeration
Agglomerated Tailings Material, Calculated 80% passing 6.4 millimeters
Results of Compacted Permeability Test – Applied Load of 2,919 kilograms
Equivalent Load of 50 meters

KCA Sample No.	KCA Test No.	Dry Weight Added to Lift, kg	Column Inside Diameter, meters	Column Area, m ²	Cumulative Calculated Dry Weight, added to Lift, kg	Initial Height, cm	Dry Compacted Height, cm	Final Wet Compacted Height, cm	Dry to Wet Slump, %	Compacted Bulk Density, MT _{dry} /m ³	Visual Pellet Breakdown, %
63307	67755 B	4.91	0.20	0.032	4.91	10.80	7.30	--	--	2.07	--
		4.91	0.20	0.032	9.82	18.73	15.56	--	--	1.95	--
		4.91	0.20	0.032	14.73	26.67	23.50	--	--	1.93	--
		4.91	0.20	0.032	19.64	35.56	32.07	--	--	1.89	--
			0.20	0.032	19.64	--	--	31.75	1%	1.91	5%

KCA Test No.	Type	Load, meters	Out Flow Volume, Liters	Time, minutes	Time, hours	Flow Out, LpHr/m ²	Out Flow Solution, Color and Clarity	Cement Addition, kg/MT	Water Addition, milliliters
67755 B	Out flow	50	3.700	2.00	0.0333	3,423	Light Brown & Cloudy	0	0
	Out flow	50	2.570	2.00	0.0333	2,377	Light Brown & Cloudy		
	Out flow	50	1.820	2.00	0.0333	1,684	Light Brown & Cloudy		
	Out flow	50	1.400	2.00	0.0333	1,295	Light Brown & Cloudy		
	Out flow	50	1.340	2.00	0.0333	1,240	Light Brown & Cloudy		
	Out flow	50	1.150	2.00	0.0333	1,064	Light Brown & Cloudy		
Average -						1,532			

Table 6-114.
Eagle Gold Project
Environmental Composite
KCA Sample No. 63310
KCA Test No. 67755 C
No Cement Agglomeration
Agglomerated Tailings Material, Calculated 80% passing 6.0 millimeters
Results of Compacted Permeability Test – Applied Load of 4,378 kilograms
Equivalent Load of 75 meters

KCA Sample No.	KCA Test No.	Dry Weight Added to Lift, kg	Column Inside Diameter, meters	Column Area, m ²	Cumulative Calculated Dry Weight, added to Lift, kg	Initial Height, cm	Dry Compacted Height, cm	Final Wet Compacted Height, cm	Dry to Wet Slump, %	Compacted Bulk Density, MT _{dry} /m ³	Visual Pellet Breakdown, %
63310	67755 C	4.91	0.20	0.032	4.91	10.80	6.99	--	--	2.17	--
		4.91	0.20	0.032	9.81	18.10	14.61	--	--	2.07	--
		4.91	0.20	0.032	14.72	26.35	22.86	--	--	1.98	--
		4.91	0.20	0.032	19.62	34.61	31.12	--	--	1.94	--
			0.20	0.032	19.62	--	--	31.12	0%	1.94	5%

KCA Test No.	Type	Load, meters	Out Flow Volume, Liters	Time, minutes	Time, hours	Flow Out, LpHr/m ²	Out Flow Solution, Color and Clarity	Cement Addition, kg/MT	Water Addition, milliliters
67755 C	Out flow	75	1.650	2.00	0.0333	1,526	Light Brown & Cloudy	0	0
	Out flow	75	1.260	2.00	0.0333	1,166	Light Brown & Cloudy		
	Out flow	75	0.960	2.00	0.0333	888	Light Brown & Cloudy		
	Out flow	75	0.770	2.00	0.0333	712	Light Brown & Cloudy		
	Out flow	75	0.660	2.00	0.0333	611	Light Brown & Cloudy		
	Out flow	75	0.620	2.00	0.0333	574	Light Brown & Cloudy		
Average -						790			

Table 6-115.
Eagle Gold Project
Environmental Composite
KCA Sample No. 63313
KCA Test No. 67755 D
No Cement Agglomeration
Agglomerated Tailings Material, Calculated 80% passing 6.4 millimeters
Results of Compacted Permeability Test – Applied Load of 5,837 kilograms
Equivalent Load of 100 meters

KCA Sample No.	KCA Test No.	Dry Weight Added to Lift, kg	Column Inside Diameter, meters	Column Area, m ²	Cumulative Calculated Dry Weight, added to Lift, kg	Initial Height, cm	Dry Compacted Height, cm	Final Wet Compacted Height, cm	Dry to Wet Slump, %	Compacted Bulk Density, MT _{dry} /m ³	Visual Pellet Breakdown, %
63313	67755 D	4.90	0.20	0.032	4.90	10.48	6.03	--	--	2.50	--
		4.90	0.20	0.032	9.80	17.15	13.97	--	--	2.16	--
		4.90	0.20	0.032	14.70	25.08	21.91	--	--	2.07	--
		4.90	0.20	0.032	19.60	34.93	30.80	--	--	1.96	--
			0.20	0.032	19.60	--	--	30.48	1%	1.98	5%

KCA Test No.	Type	Load, meters	Out Flow Volume, Liters	Time, minutes	Time, hours	Flow Out, LpHr/m ²	Out Flow Solution, Color and Clarity	Cement Addition, kg/MT	Water Addition, milliliters
67755 D	Out flow	100	2.092	2.00	0.0333	1,935	Brown & Cloudy	0	0
	Out flow	100	1.359	2.00	0.0333	1,257	Brown & Cloudy		
	Out flow	100	0.921	2.00	0.0333	852	Brown & Cloudy		
	Out flow	100	0.679	2.00	0.0333	628	Brown & Cloudy		
	Out flow	100	0.582	2.00	0.0333	538	Light Brown & Cloudy		
	Out flow	100	0.544	2.00	0.0333	503	Light Brown & Cloudy		
Average -						756			

Table 6-116.
Eagle Gold Project
Environmental Composite
KCA Sample No. 63319
KCA Test No. 67755 E
No Cement Agglomeration
Agglomerated Tailings Material, Calculated 80% passing 6.0 millimeters
Results of Compacted Permeability Test – Applied Load of 7,297 kilograms
Equivalent Load of 125 meters

KCA Sample No.	KCA Test No.	Dry Weight Added to Lift, kg	Column Inside Diameter, meters	Column Area, m ²	Cumulative Calculated Dry Weight, added to Lift, kg	Initial Height, cm	Dry Compacted Height, cm	Final Wet Compacted Height, cm	Dry to Wet Slump, %	Compacted Bulk Density, MT _{dry} /m ³	Visual Pellet Breakdown, %
63319	67755 E	4.92	0.20	0.032	4.92	10.48	6.03	--	--	2.52	--
		4.92	0.20	0.032	9.84	18.10	13.65	--	--	2.22	--
		4.92	0.20	0.032	14.76	25.40	21.59	--	--	2.11	--
		4.92	0.20	0.032	19.68	33.34	29.21	--	--	2.08	--
			0.20	0.032	19.68	--	--	29.21	0%	2.08	5%

KCA Test No.	Type	Load, meters	Out Flow Volume, Liters	Time, minutes	Time, hours	Flow Out, LpHr/m ²	Out Flow Solution, Color and Clarity	Cement Addition, kg/MT	Water Addition, milliliters
67755 E	Out flow	125	2.014	2.00	0.0333	1,863	Light Brown & Cloudy	0	0
	Out flow	125	1.669	2.00	0.0333	1,544	Brown & Cloudy		
	Out flow	125	0.936	2.00	0.0333	865	Brown & Cloudy		
	Out flow	125	0.599	2.00	0.0333	554	Light Brown & Cloudy		
	Out flow	125	0.516	2.00	0.0333	477	Light Brown & Cloudy		
	Out flow	125	0.287	2.00	0.0333	265	Light Brown & Cloudy		
Average -						741			

6.7.4 Tail Screen Analyses

For KCA Test Nos. 63304, 63307, 63310, 63313 and 63319, the material apportioned for tail screen analysis was weighed and oven dried for moisture content. The dry tails were then dry screened at 12.5, 9.5, 6.3, 3.35, 1.70, 0.600, 0.212 and 0.075 millimeters.

Each separate size fraction was weighed and crushed to a nominal size of 1.70 millimeters, as necessary. From each size fraction two (2) portions were split out and individually ring and puck pulverized to a target size of 80% passing 0.075 millimeters. The pulverized portions were then assayed using standard fire assaying methods for gold with FAAS finish and wet chemistry methods for silver.

The calculated retained moistures are presented in Table 6-117. The weighted average tailings assays are summarized in Table 6-118. The results are presented graphically in Figure 6-3 and the individual tail screen results are presented in Tables 6-119 through 6-123.

Table 6-117
Eagle Gold Project
Summary of Retained Moisture

KCA Sample No.	KCA Test No.	Description	Days Leached	Target p80 Size, mm	Retained Solution, L/MT _{dryore}
48158	63301	Environmental Composite	143	6.3	63.6
48158	63304	Environmental Composite	143	6.3	68.3
48158	63307	Environmental Composite	143	6.3	62.6
48158	63310	Environmental Composite	143	6.3	50.5
48158	63313	Environmental Composite	143	6.3	58.7
48158	63316	Environmental Composite	143	6.3	63.6
48158	63319	Environmental Composite	143	6.3	80.2
48158	63322	Environmental Composite	143	6.3	63.6

Table 6-118
Eagle Gold Project
Summary of Tailings Screen Analyses

KCA Sample No.	KCA Test No.	Description	Calc. p80 Size, mm	Weighted Avg. Tail Assay, gms Au/MT	Weighted Avg. Tail Assay, gms Ag/MT
48158	63304	Environmental Composite	5.7	0.156	0.20
48158	63307	Environmental Composite	6.4	0.166	0.17
48158	63310	Environmental Composite	6.0	0.164	0.18
48158	63313	Environmental Composite	6.4	0.172	0.21
48158	63319	Environmental Composite	6.0	0.167	0.20
Average Value:			6.1	0.165	0.19

Figure 6-3.
Eagle Gold Project
Tail Screen Analysis

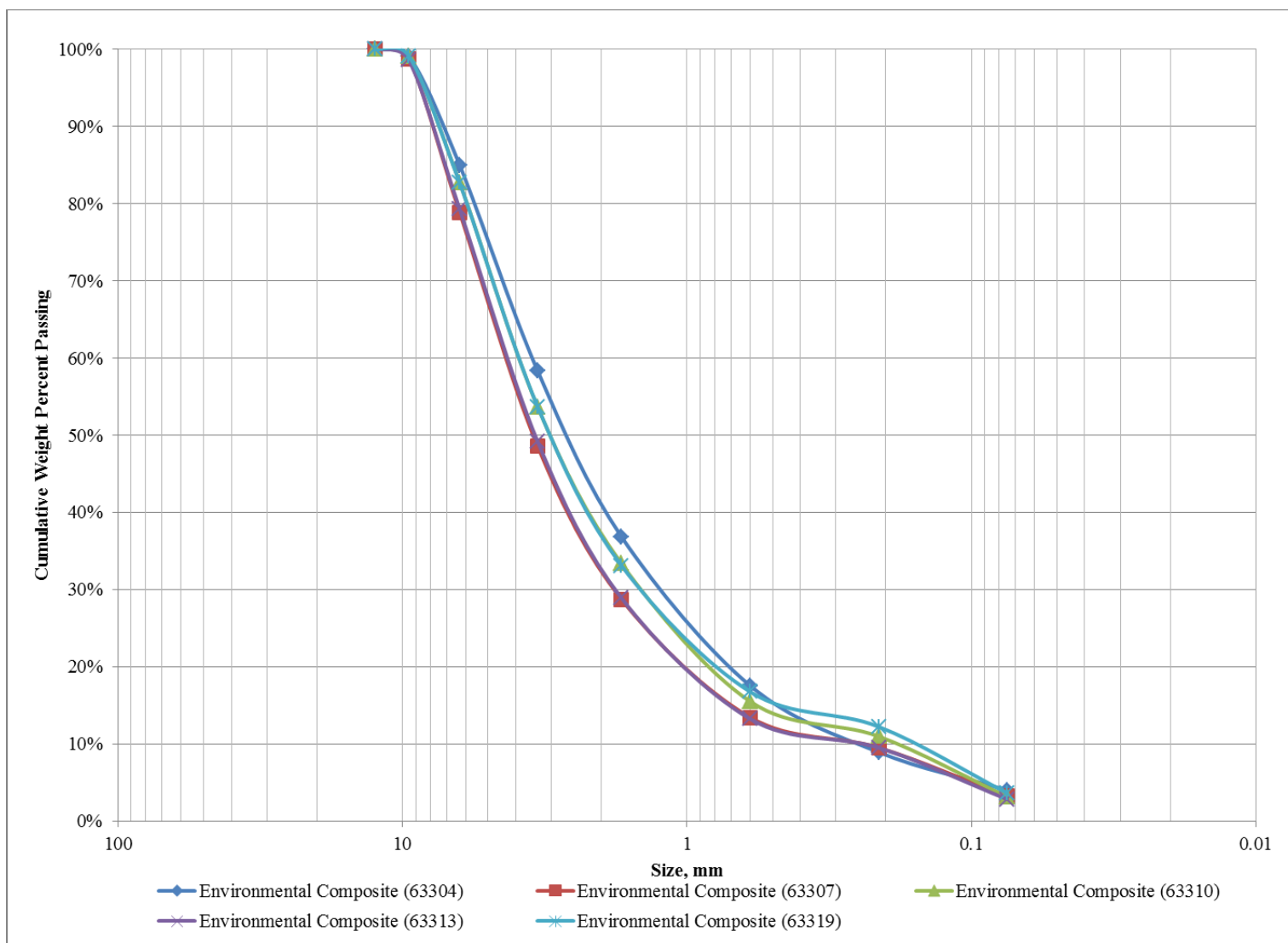


Table 6-119.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63304
Crushed Material, Calculated 80% passing 5.7 millimeters
Tailings Screen Analysis with Assays by Size Fraction

KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Dry Screen Analysis				Analysis of Gold Content			
				Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Assay 1, gms Au/MT	Assay 2, gms Au/MT	Average Assay, gms Au/MT	Weight Au, %
48158	63304		12.5	0.00				---	---	---	---
		12.5	9.5	0.18	0.9%	0.9%	100.0%	0.177	0.168	0.172	1.0%
		9.5	6.3	2.75	14.1%	15.0%	99.1%	0.161	0.161	0.161	14.6%
		6.3	3.35	5.20	26.7%	41.7%	85.0%	0.144	0.151	0.147	25.3%
		3.35	1.70	4.19	21.5%	63.2%	58.3%	0.202	0.206	0.204	28.2%
		1.70	0.600	3.76	19.3%	82.4%	36.8%	0.147	0.151	0.149	18.5%
		0.600	0.212	1.68	8.6%	91.1%	17.6%	0.113	0.113	0.113	6.3%
		0.212	0.075	0.96	4.9%	96.0%	8.9%	0.117	0.120	0.118	3.7%
		0.075	Pan	0.79	4.0%	100.0%	4.0%	0.096	0.099	0.098	2.5%
Total -				19.50	100.0%			0.154	0.157	0.156	100.0%
Detection -								0.010	0.010		

KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Dry Screen Analysis				Analysis of Silver Content			
				Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Assay 1, gms Ag/MT	Assay 2, gms Ag/MT	Average Assay, gms Ag/MT	Weight Ag, %
48158	63304		12.5	0.00				---	---	---	---
		12.5	9.5	0.18	0.9%	0.9%	100.0%	0.21	0.21	0.21	0.9%
		9.5	6.3	2.75	14.1%	15.0%	99.1%	0.21	0.21	0.21	14.4%
		6.3	3.35	5.20	26.7%	41.7%	85.0%	0.21	0.41	0.31	41.0%
		3.35	1.70	4.19	21.5%	63.2%	58.3%	0.10	0.21	0.15	16.5%
		1.70	0.600	3.76	19.3%	82.4%	36.8%	0.21	0.10	0.15	14.8%
		0.600	0.212	1.68	8.6%	91.1%	17.6%	0.10	0.10	0.10	4.4%
		0.212	0.075	0.96	4.9%	96.0%	8.9%	0.21	0.10	0.15	3.8%
		0.075	Pan	0.79	4.0%	100.0%	4.0%	0.21	0.21	0.21	4.1%
Total -				19.50	100.0%			0.17	0.23	0.20	100.0%
Detection -								0.21	0.21		

Table 6-120.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63307
Crushed Material, Calculated 80% passing 6.4 millimeters
Tailings Screen Analysis with Assays by Size Fraction

KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Dry Screen Analysis				Analysis of Gold Content			
				Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Assay 1, gms Au/MT	Assay 2, gms Au/MT	Average Assay, gms Au/MT	Weight Au, %
48158	63307		12.5	0.00				---	---	---	---
		12.5	9.5	0.25	1.3%	1.3%	100.0%	0.103	0.106	0.105	0.8%
		9.5	6.3	3.87	19.9%	21.2%	98.7%	0.182	0.178	0.180	21.6%
		6.3	3.35	5.90	30.3%	51.4%	78.8%	0.192	0.183	0.188	34.3%
		3.35	1.70	3.86	19.8%	71.2%	48.6%	0.163	0.161	0.162	19.4%
		1.70	0.600	2.98	15.3%	86.5%	28.8%	0.158	0.158	0.158	14.6%
		0.600	0.212	0.76	3.9%	90.5%	13.5%	0.113	0.106	0.110	2.6%
		0.212	0.075	1.23	6.3%	96.8%	9.5%	0.127	0.127	0.127	4.8%
		0.075	Pan	0.63	3.2%	100.0%	3.2%	0.103	0.099	0.101	2.0%
Total -				19.48	100.0%			0.168	0.164	0.166	100.0%
Detection -								0.010	0.010		

KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Dry Screen Analysis				Analysis of Silver Content			
				Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Assay 1, gms Ag/MT	Assay 2, gms Ag/MT	Average Assay, gms Ag/MT	Weight Ag, %
48158	63307		12.5	0.00				---	---	---	---
		12.5	9.5	0.25	1.3%	1.3%	100.0%	0.21	0.21	0.21	1.5%
		9.5	6.3	3.87	19.9%	21.2%	98.7%	0.21	0.10	0.15	17.5%
		6.3	3.35	5.90	30.3%	51.4%	78.8%	0.10	0.21	0.15	26.7%
		3.35	1.70	3.86	19.8%	71.2%	48.6%	0.21	0.21	0.21	23.3%
		1.70	0.600	2.98	15.3%	86.5%	28.8%	0.21	0.21	0.21	18.0%
		0.600	0.212	0.76	3.9%	90.5%	13.5%	0.10	0.21	0.15	3.5%
		0.212	0.075	1.23	6.3%	96.8%	9.5%	0.21	0.10	0.15	5.6%
		0.075	Pan	0.63	3.2%	100.0%	3.2%	0.21	0.21	0.21	3.8%
Total -				19.48	100.0%			0.17	0.18	0.17	100.0%
Detection -								0.21	0.21		

Table 6-121.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63310
Crushed Material, Calculated 80% passing 6.0 millimeters
Tailings Screen Analysis with Assays by Size Fraction

KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Dry Screen Analysis				Analysis of Gold Content			
				Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Assay 1, gms Au/MT	Assay 2, gms Au/MT	Average Assay, gms Au/MT	Weight Au, %
48158	63310		12.5	0.00				---	---	---	---
		12.5	9.5	0.19	0.9%	0.9%	100.0%	0.134	0.137	0.135	0.8%
		9.5	6.3	3.20	16.3%	17.3%	99.1%	0.175	0.182	0.178	17.8%
		6.3	3.35	5.70	29.1%	46.3%	82.7%	0.182	0.185	0.183	32.5%
		3.35	1.70	3.98	20.3%	66.6%	53.7%	0.185	0.182	0.183	22.7%
		1.70	0.600	3.50	17.8%	84.5%	33.4%	0.137	0.141	0.139	15.1%
		0.600	0.212	0.89	4.5%	89.0%	15.5%	0.127	0.122	0.124	3.4%
		0.212	0.075	1.53	7.8%	96.8%	11.0%	0.120	0.117	0.118	5.6%
		0.075	Pan	0.63	3.2%	100.0%	3.2%	0.101	0.103	0.102	2.0%
Total -				19.61	100.0%			0.163	0.165	0.164	100.0%
Detection -								0.010	0.010		

KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Dry Screen Analysis				Analysis of Silver Content			
				Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Assay 1, gms Ag/MT	Assay 2, gms Ag/MT	Average Assay, gms Ag/MT	Weight Ag, %
48158	63310		12.5	0.00				---	---	---	---
		12.5	9.5	0.19	0.9%	0.9%	100.0%	0.21	0.21	0.21	1.1%
		9.5	6.3	3.20	16.3%	17.3%	99.1%	0.10	0.21	0.15	13.9%
		6.3	3.35	5.70	29.1%	46.3%	82.7%	0.21	0.21	0.21	33.1%
		3.35	1.70	3.98	20.3%	66.6%	53.7%	0.21	0.10	0.15	17.3%
		1.70	0.600	3.50	17.8%	84.5%	33.4%	0.21	0.21	0.21	20.3%
		0.600	0.212	0.89	4.5%	89.0%	15.5%	0.21	0.10	0.15	3.9%
		0.212	0.075	1.53	7.8%	96.8%	11.0%	0.10	0.21	0.15	6.7%
		0.075	Pan	0.63	3.2%	100.0%	3.2%	0.21	0.21	0.21	3.6%
Total -				19.61	100.0%			0.18	0.18	0.18	100.0%
Detection -								0.21	0.21		

Table 6-122.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63313
Crushed Material, Calculated 80% passing 6.4 millimeters
Tailings Screen Analysis with Assays by Size Fraction

KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Dry Screen Analysis				Analysis of Gold Content			
				Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Assay 1, gms Au/MT	Assay 2, gms Au/MT	Average Assay, gms Au/MT	Weight Au, %
48158	63313		12.5	0.00				---	---	---	---
		12.5	9.5	0.28	1.4%	1.4%	100.0%	0.142	0.137	0.140	1.2%
		9.5	6.3	3.76	19.3%	20.7%	98.6%	0.185	0.182	0.183	20.6%
		6.3	3.35	5.87	30.1%	50.8%	79.3%	0.202	0.195	0.199	34.8%
		3.35	1.70	3.95	20.3%	71.1%	49.2%	0.175	0.168	0.171	20.2%
		1.70	0.600	3.05	15.6%	86.7%	28.9%	0.154	0.154	0.154	14.0%
		0.600	0.212	0.73	3.7%	90.5%	13.3%	0.130	0.127	0.129	2.8%
		0.212	0.075	1.30	6.7%	97.1%	9.5%	0.127	0.130	0.129	5.0%
		0.075	Pan	0.56	2.9%	100.0%	2.9%	0.086	0.089	0.087	1.5%
Total -				19.49	100.0%			0.174	0.170	0.172	100.0%
Detection -								0.010	0.010		

KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Dry Screen Analysis				Analysis of Silver Content			
				Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Assay 1, gms Ag/MT	Assay 2, gms Ag/MT	Average Assay, gms Ag/MT	Weight Ag, %
48158	63313		12.5	0.00				---	---	---	---
		12.5	9.5	0.28	1.4%	1.4%	100.0%	0.21	0.21	0.21	1.4%
		9.5	6.3	3.76	19.3%	20.7%	98.6%	0.21	0.21	0.21	18.9%
		6.3	3.35	5.87	30.1%	50.8%	79.3%	0.41	0.21	0.31	44.4%
		3.35	1.70	3.95	20.3%	71.1%	49.2%	0.21	0.10	0.15	14.9%
		1.70	0.600	3.05	15.6%	86.7%	28.9%	0.10	0.21	0.15	11.5%
		0.600	0.212	0.73	3.7%	90.5%	13.3%	0.10	0.10	0.10	1.8%
		0.212	0.075	1.30	6.7%	97.1%	9.5%	0.21	0.10	0.15	4.9%
		0.075	Pan	0.56	2.9%	100.0%	2.9%	0.10	0.21	0.15	2.1%
Total -				19.49	100.0%			0.24	0.17	0.21	100.0%
Detection -								0.21	0.21		

Table 6-123.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63319
Crushed Material, Calculated 80% passing 6.0 millimeters
Tailings Screen Analysis with Assays by Size Fraction

KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Dry Screen Analysis				Analysis of Gold Content			
				Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Assay 1, gms Au/MT	Assay 2, gms Au/MT	Average Assay, gms Au/MT	Weight Au, %
48158	63319		12.5	0.00				---	---	---	---
		12.5	9.5	0.17	0.9%	0.9%	100.0%	0.134	0.137	0.135	0.7%
		9.5	6.3	3.25	16.4%	17.3%	99.1%	0.199	0.192	0.195	19.2%
		6.3	3.35	5.73	29.0%	46.3%	82.7%	0.195	0.195	0.195	33.8%
		3.35	1.70	4.07	20.6%	66.9%	53.7%	0.163	0.171	0.167	20.6%
		1.70	0.600	3.23	16.3%	83.2%	33.1%	0.144	0.147	0.146	14.2%
		0.600	0.212	0.89	4.5%	87.7%	16.8%	0.127	0.127	0.127	3.4%
		0.212	0.075	1.70	8.6%	96.3%	12.3%	0.120	0.123	0.122	6.3%
		0.075	Pan	0.72	3.7%	100.0%	3.7%	0.079	0.084	0.081	1.8%
Total -				19.77	100.0%			0.166	0.168	0.167	100.0%
Detection -								0.010	0.010		

KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Dry Screen Analysis				Analysis of Silver Content			
				Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Assay 1, gms Ag/MT	Assay 2, gms Ag/MT	Average Assay, gms Ag/MT	Weight Ag, %
48158	63319		12.5	0.00				---	---	---	---
		12.5	9.5	0.17	0.9%	0.9%	100.0%	0.21	0.21	0.21	0.9%
		9.5	6.3	3.25	16.4%	17.3%	99.1%	0.10	0.21	0.15	12.7%
		6.3	3.35	5.73	29.0%	46.3%	82.7%	0.21	0.21	0.21	29.8%
		3.35	1.70	4.07	20.6%	66.9%	53.7%	0.21	0.41	0.31	31.7%
		1.70	0.600	3.23	16.3%	83.2%	33.1%	0.21	0.10	0.15	12.6%
		0.600	0.212	0.89	4.5%	87.7%	16.8%	0.21	0.21	0.21	4.6%
		0.212	0.075	1.70	8.6%	96.3%	12.3%	0.10	0.10	0.10	4.4%
		0.075	Pan	0.72	3.7%	100.0%	3.7%	0.21	0.15	0.18	3.3%
Total -				19.77	100.0%			0.18	0.22	0.20	100.0%
Detection -								0.21	0.21		

6.7.5 Head Screens versus Tail Screens Analyses

An analysis of gold extraction versus crush size can be utilized to determine the approximate extractions that may be generated by crushing the material finer than the size actually tested in the program. The analysis, however, cannot be utilized to generate information for extractions at crush sizes larger than what was tested in the program.

The cumulative percent gold extraction reported was determined as follows:

1. The percent gold extraction for each size fraction was calculated. This value was calculated as a percent difference between the head assay and the tail assay for each size fraction considered.
2. The total gold content of the head material prior to leaching was determined as the head assay multiplied by the weight of material retained in the tail screen analysis for each size fraction. The extracted gold content was determined by multiplying the percent gold extracted for each size fraction by the total gold content of that size fraction.
3. The values determined in step (2) were summed for the size fractions equal to and less than the specific fraction considered.
4. The theoretical cumulative percent gold extracted value was then determined by dividing the sum of the extracted gold content by the sum of the total gold content for each size fraction equal to or less than the fraction considered.

In order to clarify these calculations, a sample calculation is outlined in Table 6-124.

The value contained in cell J1 was obtained by dividing the sum of I1 through I9 by the sum of G1 through G9.

The value contained in cell J5 was obtained by dividing the sum of I5 through I9 by the sum of G5 through G9.

Table 6-124.
Head Screen versus Tail Screen (Sample Calculation)

	A	B	C	D	E	F	G	H	I	J
	Size Fraction	Weight Retained	Tail Wt., %	Cum. Pass Wt., %	Head, gms Au/MT	Tail, gms Au/MT	Product of B x E	Percent Gold Extracted	Product of G x H	Theoretical Cumulative Extracted, %
1	+16.00	7.31	7.31%	100.00%	0.874	0.257	6.389	70.6%	4.510	72.5%
2	-16.00 +12.50	19.45	19.45%	92.69%	0.874	0.223	16.999	74.5%	12.662	72.6%
3	-12.50 +9.50	9.79	9.79%	73.24%	0.823	0.240	8.057	70.8%	5.708	72.2%
4	-9.50 +8.00	8.83	8.83%	63.45%	0.994	0.240	8.777	75.9%	6.658	72.3%
5	-8.00 +6.30	20.83	20.83%	54.62%	0.874	0.223	18.205	74.5%	13.560	71.8%
6	-6.00 +3.35	13.1	13.10%	33.79%	0.823	0.223	10.781	72.9%	7.860	70.5%
7	-3.35 +1.70	10.76	10.76%	20.69%	0.891	0.291	9.587	67.3%	6.456	69.5%
8	-1.70 +0.60	5.52	5.52%	9.93%	1.200	0.360	6.624	70.0%	4.637	70.6%
9	-0.60 +0.212	4.41	4.41%	4.41%	2.486	0.720	10.963	71.0%	7.788	71.0%

Extractions by size fraction are calculated from the tail screen assays and the head screen assays for each size fraction, and the theoretical extractions for crush sizes smaller than that of the test material are based on these calculated extractions by size fraction. Column leach test extractions are calculated from the extracted gold based on granulated carbon assays and the tail assays. Since these methods of calculation are different, the column extractions observed in test work may not equal the theoretical extractions calculated in this section.

General extraction trends may be observed from these theoretical values; however, the theoretical values are sensitive to variations in the gold distributions and assays. Therefore, the theoretical values are intended only for estimation purposes and are not intended to replace actual test work.

The theoretical extractions are presented in Tables 6-125 through 6-129, and are presented graphically in Figures 6-4 through 6-13.

Table 6-125.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63304
Crushed Material, Calculated 80% passing 5.7 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction

Tail Screen Analysis								Analysis of Gold Content			
KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Head Screen Assays, gms Au/MT	Tail Screen Assays, gms Au/MT	Extraction by Fraction, %	Theoretical Extraction, %
48158	63304		12.5	0.00	--	--	--	--	--	--	--
		12.5	9.5	0.18	0.9%	0.9%	100.0%	--	--	--	--
		9.5	6.3	2.75	14.1%	15.0%	99.1%	0.965	0.161	83%	85%
		6.3	3.35	5.20	26.7%	41.7%	85.0%	1.258	0.147	88%	86%
		3.35	1.70	4.19	21.5%	63.2%	58.3%	0.715	0.204	71%	84%
		1.70	0.600	3.76	19.3%	82.4%	36.8%	0.845	0.149	82%	89%
		0.600	0.212	1.68	8.6%	91.1%	17.6%	1.191	0.113	91%	93%
		0.212	0.075	0.96	4.9%	96.0%	8.9%	2.004	0.118	94%	94%
		0.075	Pan	0.79	4.0%	100.0%	4.0%	1.594	0.098	94%	94%
Total -				19.50	100.0%	--	--	--	--	--	--

Tail Screen Analysis								Analysis of Silver Content			
KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Head Screen Assays, gms Ag/MT	Tail Screen Assays, gms Ag/MT	Extraction by Fraction, %	Theoretical Extraction, %
48158	63304		12.5	0.00	--	--	--	--	--	--	--
		12.5	9.5	0.18	0.9%	0.9%	100.0%	--	--	--	--
		9.5	6.3	2.75	14.1%	15.0%	99.1%	0.41	0.21	50%	64%
		6.3	3.35	5.20	26.7%	41.7%	85.0%	0.41	0.31	25%	65%
		3.35	1.70	4.19	21.5%	63.2%	58.3%	0.62	0.15	75%	77%
		1.70	0.600	3.76	19.3%	82.4%	36.8%	0.62	0.15	75%	78%
		0.600	0.212	1.68	8.6%	91.1%	17.6%	0.62	0.10	83%	81%
		0.212	0.075	0.96	4.9%	96.0%	8.9%	0.79	0.15	80%	79%
		0.075	Pan	0.79	4.0%	100.0%	4.0%	0.89	0.21	77%	77%
Total -				19.50	100.0%	--	--	--	--	--	--

Figure 6-4.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63304
Crushed Material, Calculated 80% passing 5.7 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction - Gold

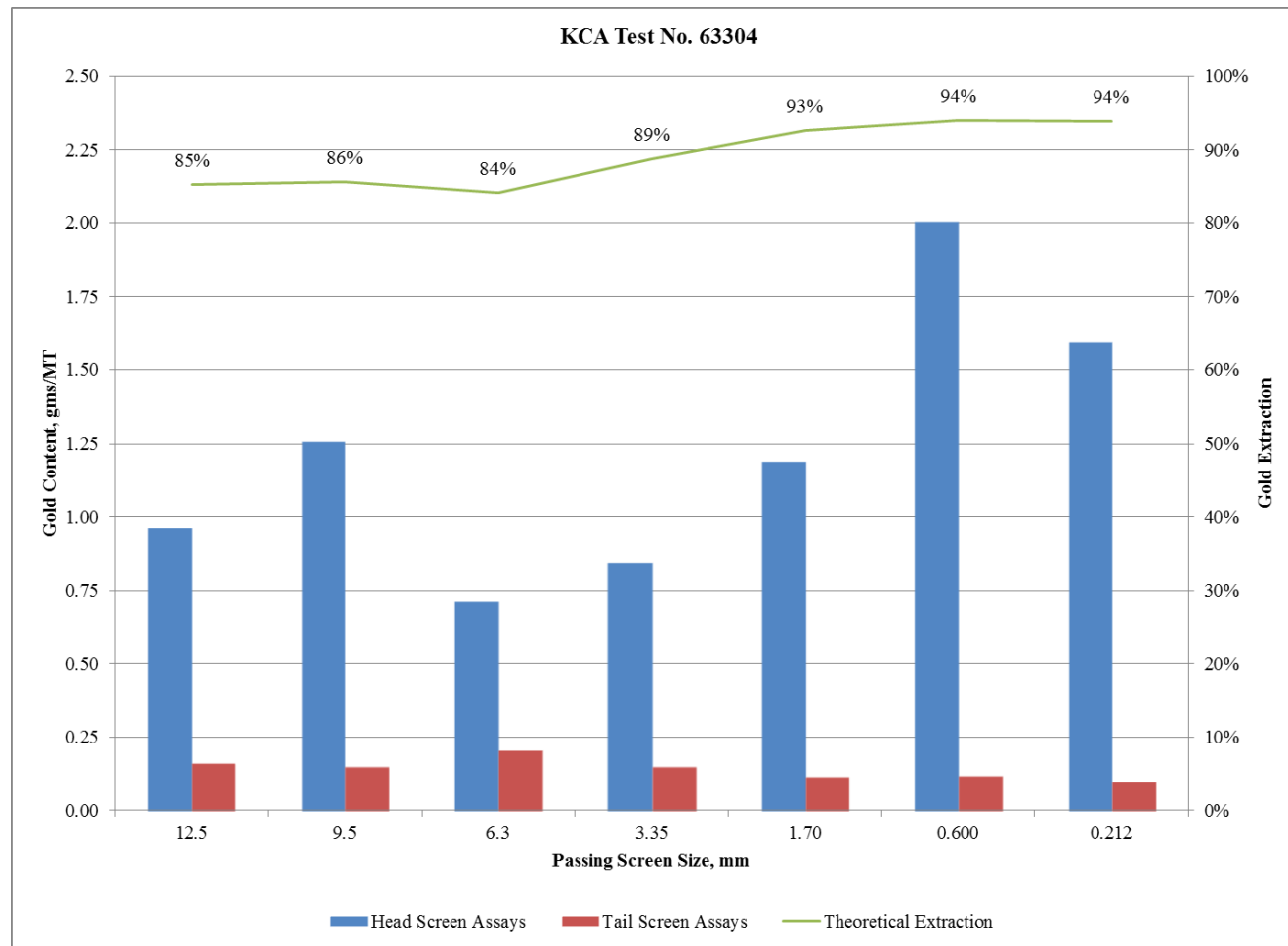


Figure 6-5.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63304
Crushed Material, Calculated 80% passing 5.7 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction - Silver

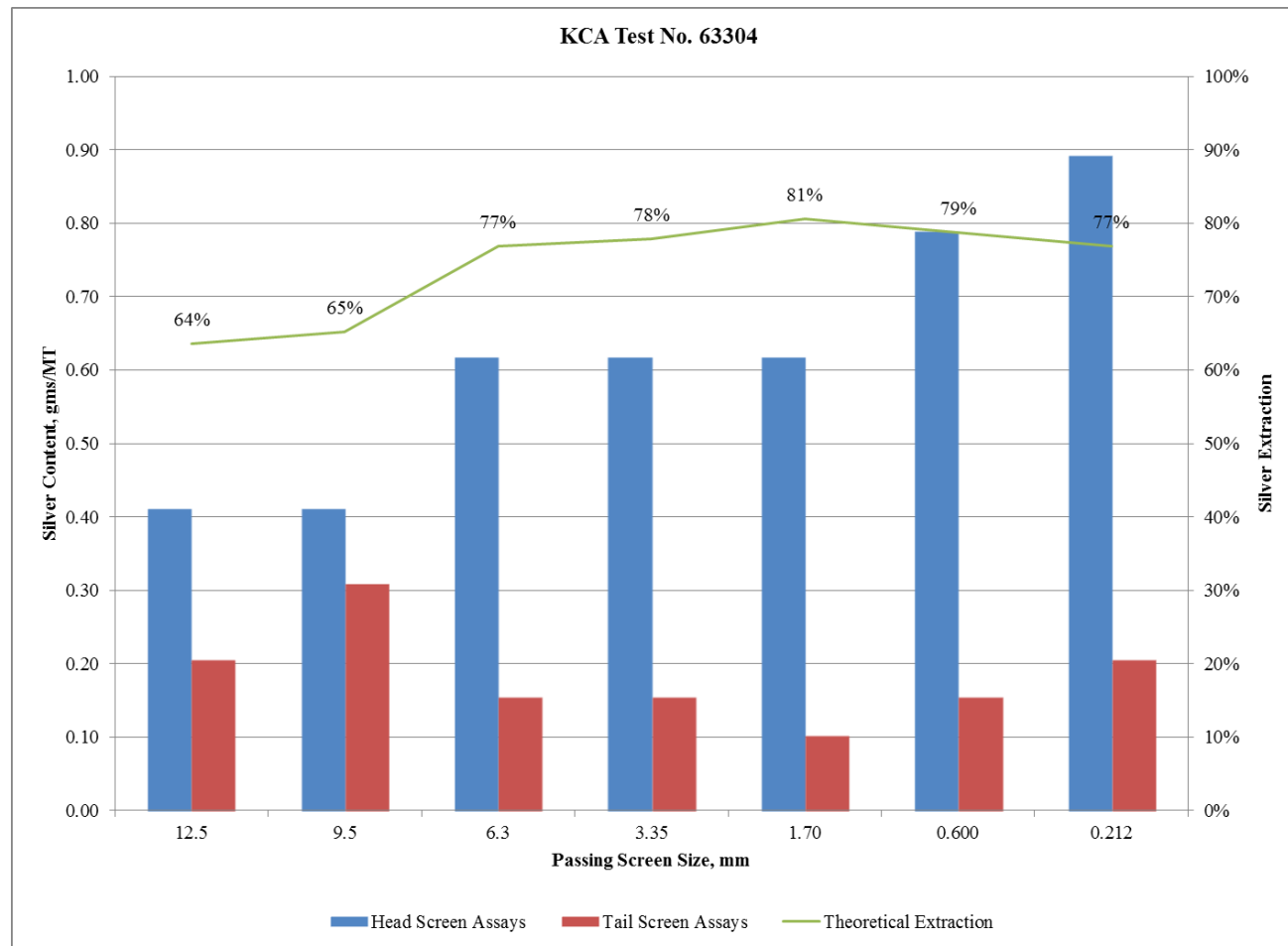


Table 6-126.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63307
Crushed Material, Calculated 80% passing 6.4 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction

Tail Screen Analysis								Analysis of Gold Content			
KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Head Screen Assays, gms Au/MT	Tail Screen Assays, gms Au/MT	Extraction by Fraction, %	Theoretical Extraction, %
48158	63307		12.5	0.00	--	--	--	--	--	--	--
		12.5	9.5	0.25	1.3%	1.3%	100.0%	--	--	--	--
		9.5	6.3	3.87	19.9%	21.2%	98.7%	0.965	0.180	81%	85%
		6.3	3.35	5.90	30.3%	51.4%	78.8%	1.258	0.188	85%	85%
		3.35	1.70	3.86	19.8%	71.2%	48.6%	0.715	0.162	77%	86%
		1.70	0.600	2.98	15.3%	86.5%	28.8%	0.845	0.158	81%	89%
		0.600	0.212	0.76	3.9%	90.5%	13.5%	1.191	0.110	91%	93%
		0.212	0.075	1.23	6.3%	96.8%	9.5%	2.004	0.127	94%	94%
		0.075	Pan	0.63	3.2%	100.0%	3.2%	1.594	0.101	94%	94%
Total -				19.48	100.0%	--	--	--	--	--	--

Tail Screen Analysis								Analysis of Silver Content			
KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Head Screen Assays, gms Ag/MT	Tail Screen Assays, gms Ag/MT	Extraction by Fraction, %	Theoretical Extraction, %
48158	63307		12.5	0.00	--	--	--	--	--	--	--
		12.5	9.5	0.25	1.3%	1.3%	100.0%	--	--	--	--
		9.5	6.3	3.87	19.9%	21.2%	98.7%	0.41	0.15	63%	67%
		6.3	3.35	5.90	30.3%	51.4%	78.8%	0.41	0.15	63%	68%
		3.35	1.70	3.86	19.8%	71.2%	48.6%	0.62	0.21	67%	70%
		1.70	0.600	2.98	15.3%	86.5%	28.8%	0.62	0.21	67%	73%
		0.600	0.212	0.76	3.9%	90.5%	13.5%	0.62	0.15	75%	78%
		0.212	0.075	1.23	6.3%	96.8%	9.5%	0.79	0.15	80%	79%
		0.075	Pan	0.63	3.2%	100.0%	3.2%	0.89	0.21	77%	77%
Total -				19.48	100.0%	--	--	--	--	--	--

Figure 6-6.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63307
Crushed Material, Calculated 80% passing 6.4 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction - Gold

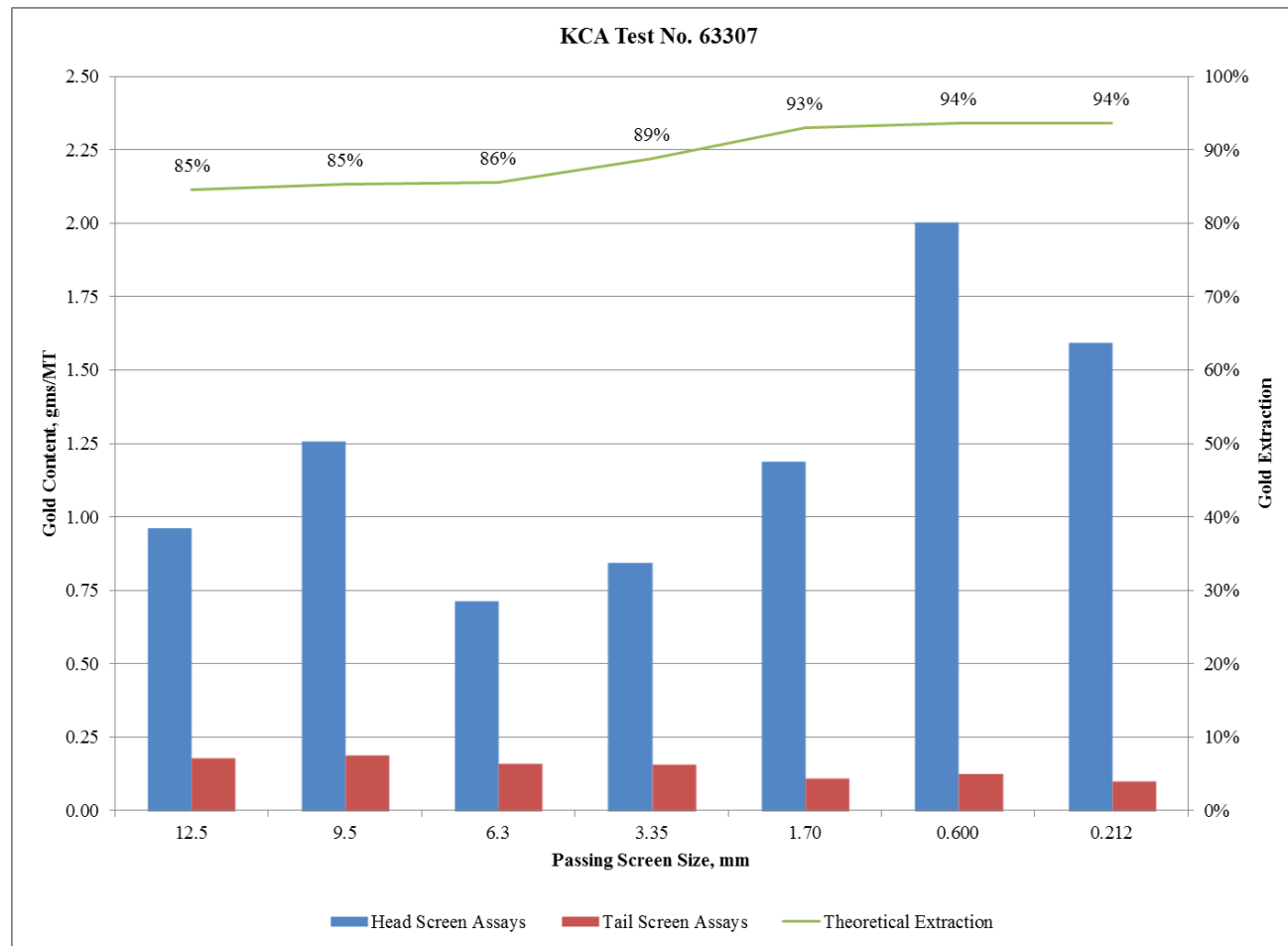


Figure 6-7.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63307
Crushed Material, Calculated 80% passing 6.4 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction - Silver

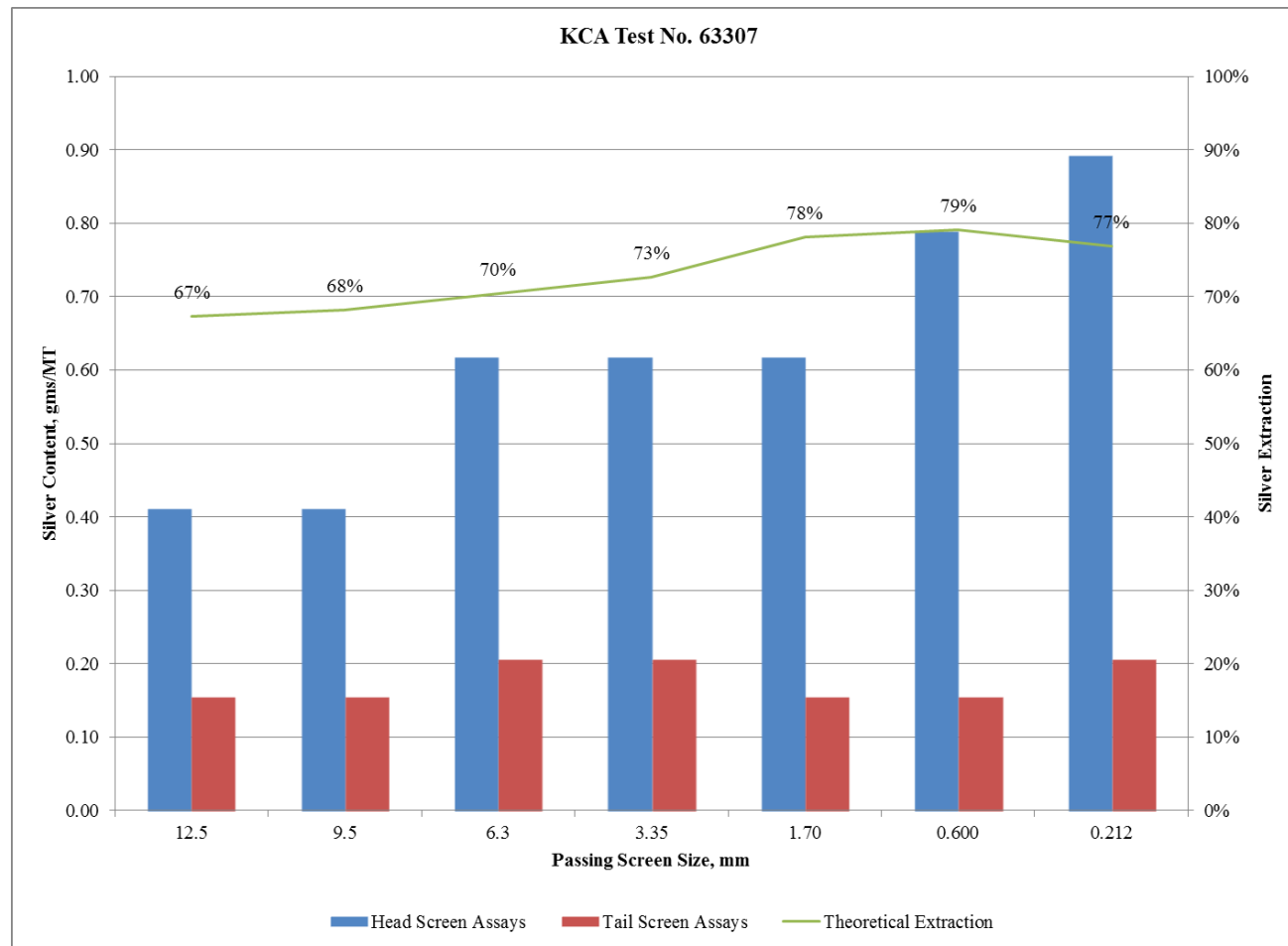


Table 6-127.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63310
Crushed Material, Calculated 80% passing 6.0 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction

Tail Screen Analysis								Analysis of Gold Content			
KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Head Screen Assays, gms Au/MT	Tail Screen Assays, gms Au/MT	Extraction by Fraction, %	Theoretical Extraction, %
48158	63310		12.5	0.00	--	--	--	--	--	--	--
		12.5	9.5	0.19	0.9%	0.9%	100.0%	--	--	--	--
		9.5	6.3	3.20	16.3%	17.3%	99.1%	0.965	0.178	82%	85%
		6.3	3.35	5.70	29.1%	46.3%	82.7%	1.258	0.183	85%	86%
		3.35	1.70	3.98	20.3%	66.6%	53.7%	0.715	0.183	74%	86%
		1.70	0.600	3.50	17.8%	84.5%	33.4%	0.845	0.139	84%	90%
		0.600	0.212	0.89	4.5%	89.0%	15.5%	1.191	0.124	90%	93%
		0.212	0.075	1.53	7.8%	96.8%	11.0%	2.004	0.118	94%	94%
		0.075	Pan	0.63	3.2%	100.0%	3.2%	1.594	0.102	94%	94%
Total -				19.61	100.0%	--	--	--	--	--	--

Tail Screen Analysis								Analysis of Silver Content			
KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Head Screen Assays, gms Ag/MT	Tail Screen Assays, gms Ag/MT	Extraction by Fraction, %	Theoretical Extraction, %
48158	63310		12.5	0.00	--	--	--	--	--	--	--
		12.5	9.5	0.19	0.9%	0.9%	100.0%	--	--	--	--
		9.5	6.3	3.20	16.3%	17.3%	99.1%	0.41	0.15	63%	67%
		6.3	3.35	5.70	29.1%	46.3%	82.7%	0.41	0.21	50%	68%
		3.35	1.70	3.98	20.3%	66.6%	53.7%	0.62	0.15	75%	74%
		1.70	0.600	3.50	17.8%	84.5%	33.4%	0.62	0.21	67%	73%
		0.600	0.212	0.89	4.5%	89.0%	15.5%	0.62	0.15	75%	78%
		0.212	0.075	1.53	7.8%	96.8%	11.0%	0.79	0.15	80%	79%
		0.075	Pan	0.63	3.2%	100.0%	3.2%	0.89	0.21	77%	77%
Total -				19.61	100.0%	--	--	--	--	--	--

Figure 6-8.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63310
Crushed Material, Calculated 80% passing 6.0 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction - Gold

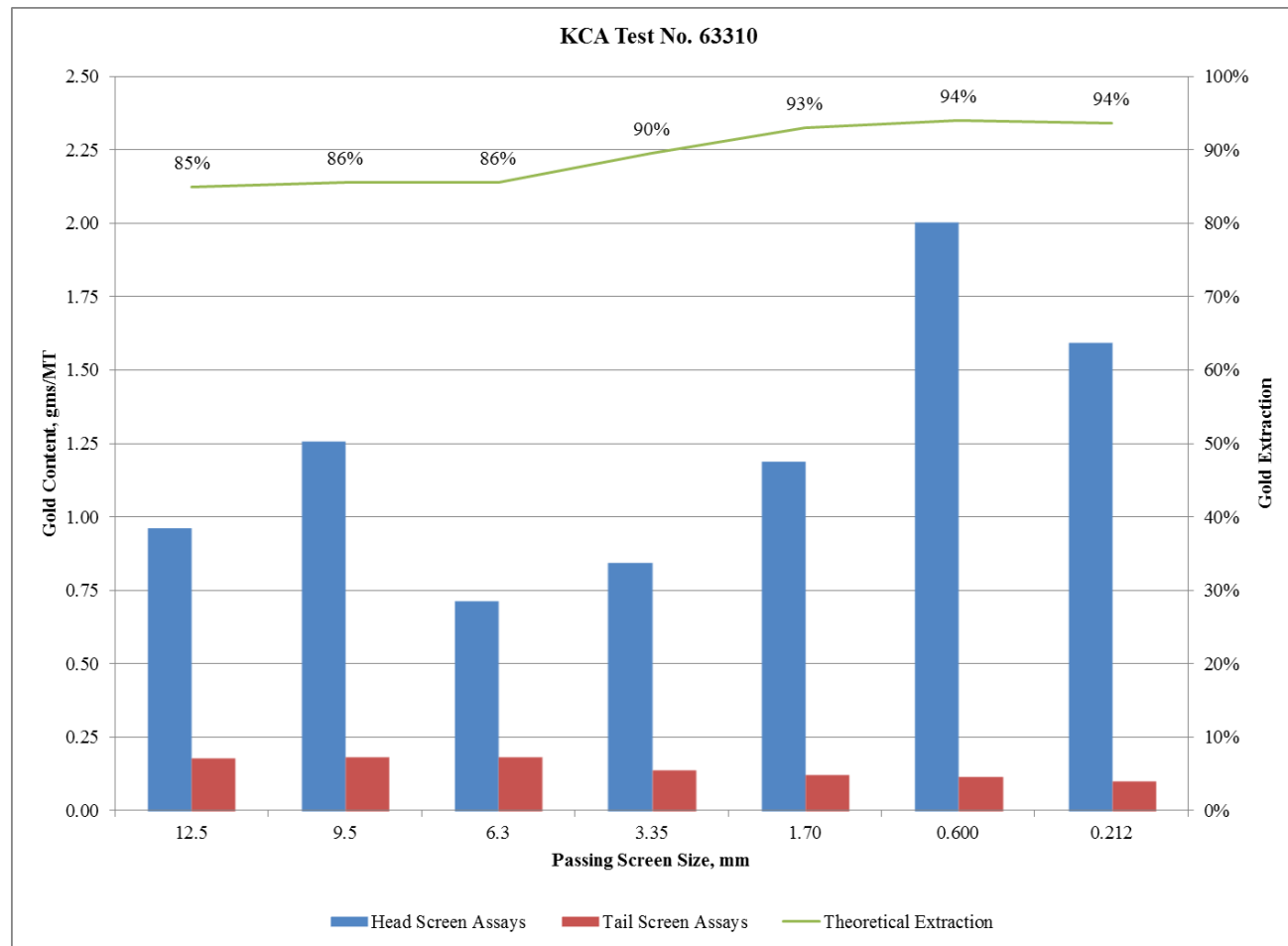


Figure 6-9.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63310
Crushed Material, Calculated 80% passing 6.0 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction - Silver

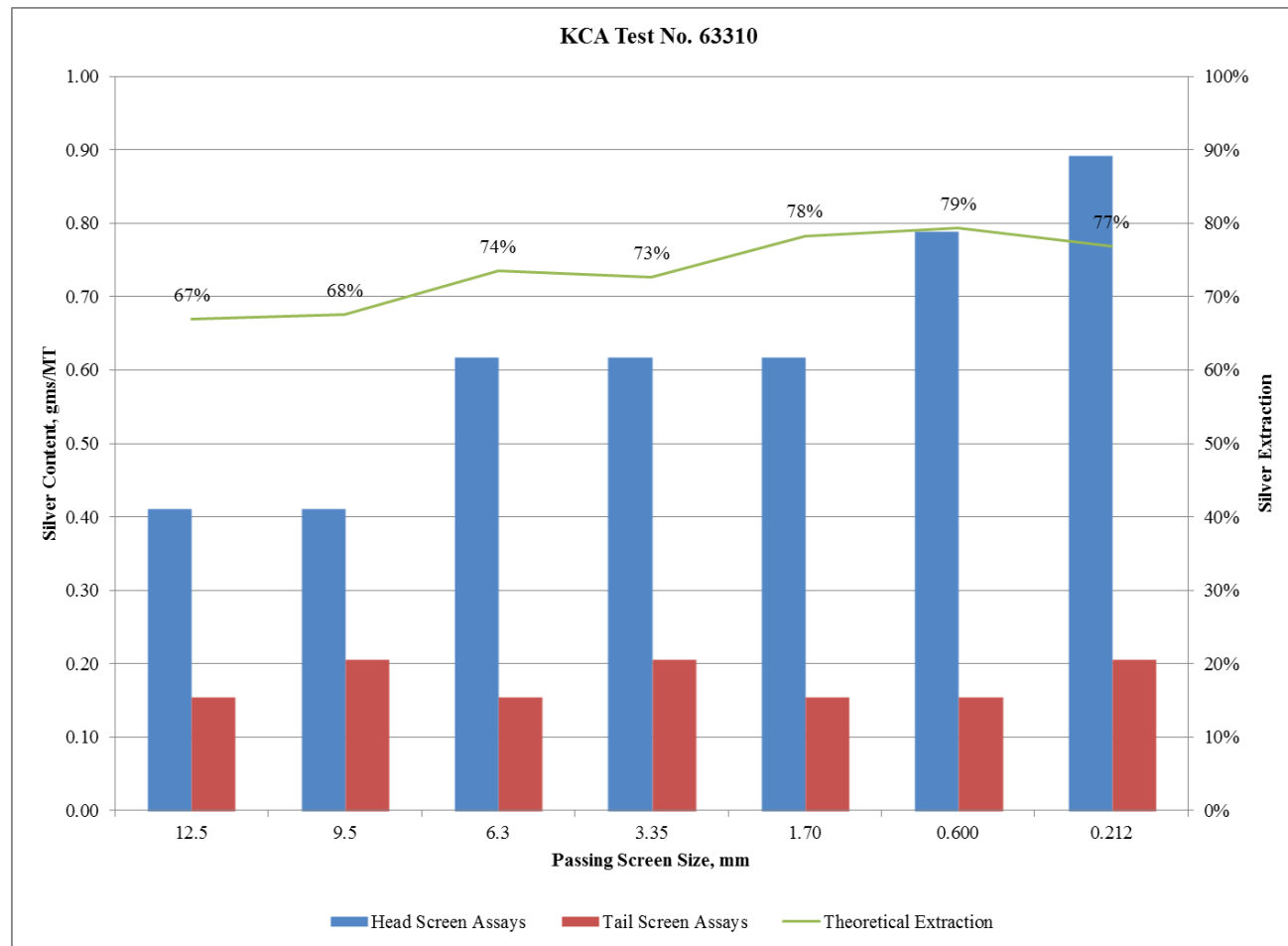


Table 6-128.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63313
Crushed Material, Calculated 80% passing 6.4 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction

Tail Screen Analysis								Analysis of Gold Content			
KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Head Screen Assays, gms Au/MT	Tail Screen Assays, gms Au/MT	Extraction by Fraction, %	Theoretical Extraction, %
48158	63313		12.5	0.00	--	--	--	--	--	--	--
		12.5	9.5	0.28	1.4%	1.4%	100.0%	--	--	--	--
		9.5	6.3	3.76	19.3%	20.7%	98.6%	0.965	0.183	81%	84%
		6.3	3.35	5.87	30.1%	50.8%	79.3%	1.258	0.199	84%	85%
		3.35	1.70	3.95	20.3%	71.1%	49.2%	0.715	0.171	76%	85%
		1.70	0.600	3.05	15.6%	86.7%	28.9%	0.845	0.154	82%	89%
		0.600	0.212	0.73	3.7%	90.5%	13.3%	1.191	0.129	89%	93%
		0.212	0.075	1.30	6.7%	97.1%	9.5%	2.004	0.129	94%	94%
		0.075	Pan	0.56	2.9%	100.0%	2.9%	1.594	0.087	95%	95%
Total -				19.49	100.0%	--	--	--	--	--	--

Tail Screen Analysis								Analysis of Silver Content			
KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Head Screen Assays, gms Ag/MT	Tail Screen Assays, gms Ag/MT	Extraction by Fraction, %	Theoretical Extraction, %
48158	63313		12.5	0.00	--	--	--	--	--	--	--
		12.5	9.5	0.28	1.4%	1.4%	100.0%	--	--	--	--
		9.5	6.3	3.76	19.3%	20.7%	98.6%	0.41	0.21	50%	61%
		6.3	3.35	5.87	30.1%	50.8%	79.3%	0.41	0.31	25%	63%
		3.35	1.70	3.95	20.3%	71.1%	49.2%	0.62	0.15	75%	77%
		1.70	0.600	3.05	15.6%	86.7%	28.9%	0.62	0.15	75%	78%
		0.600	0.212	0.73	3.7%	90.5%	13.3%	0.62	0.10	83%	82%
		0.212	0.075	1.30	6.7%	97.1%	9.5%	0.79	0.15	80%	81%
		0.075	Pan	0.56	2.9%	100.0%	2.9%	0.89	0.15	83%	83%
Total -				19.49	100.0%	--	--	--	--	--	--

Figure 6-10.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63313
Crushed Material, Calculated 80% passing 6.4 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction - Gold

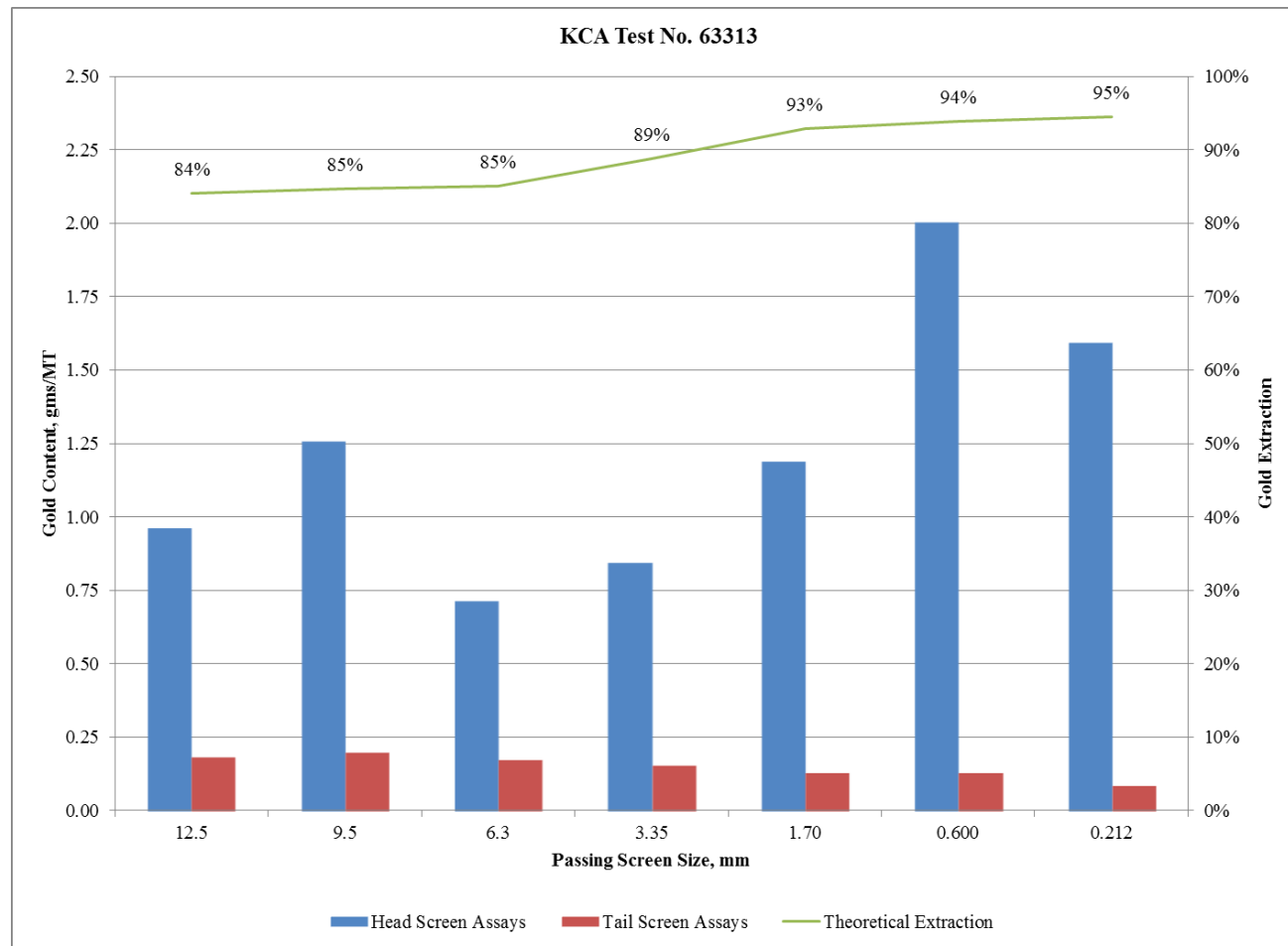


Figure 6-11.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63313
Crushed Material, Calculated 80% passing 6.4 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction - Silver

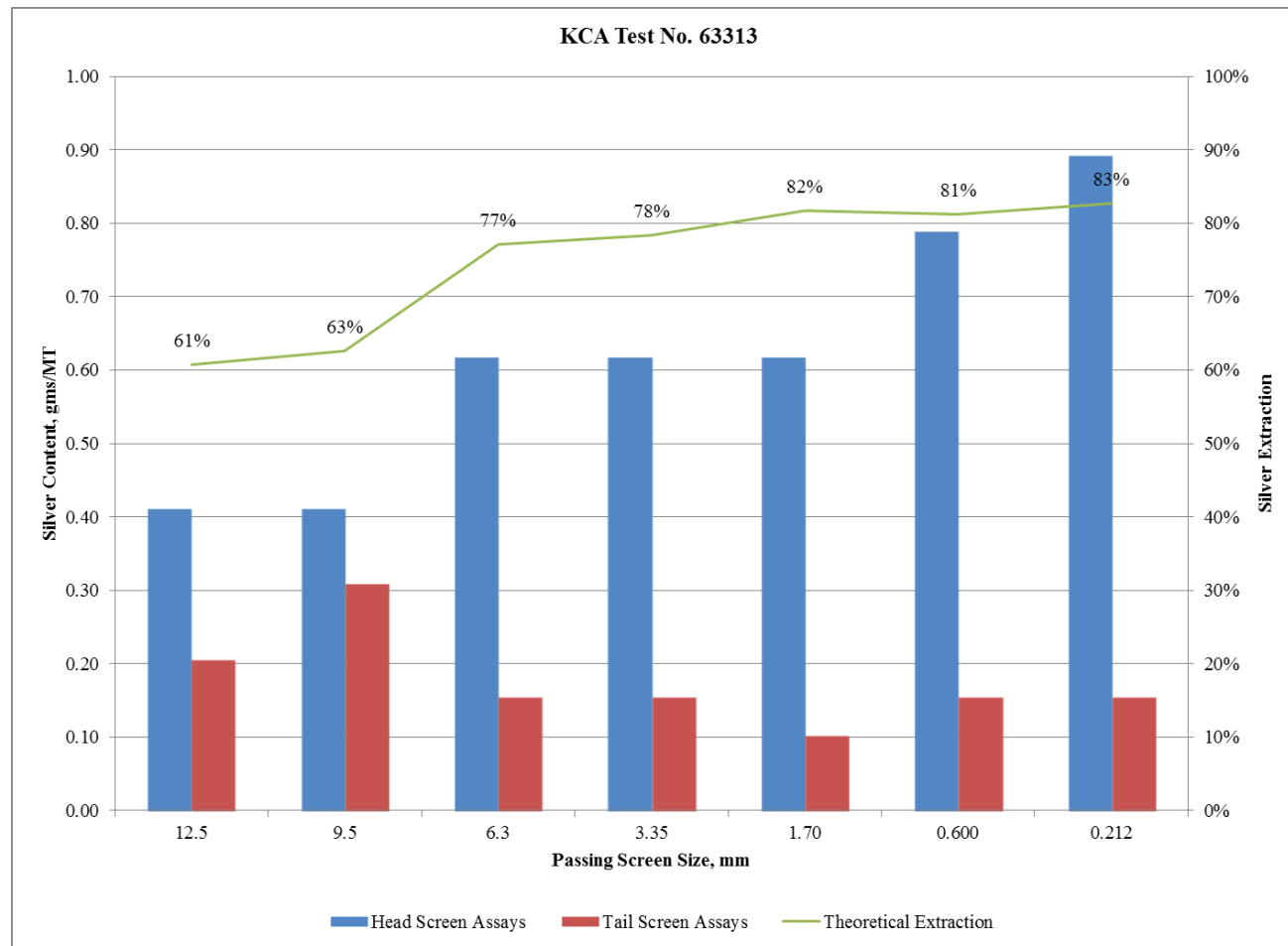


Table 6-129.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63319
Crushed Material, Calculated 80% passing 6.0 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction

Tail Screen Analysis								Analysis of Gold Content			
KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Head Screen Assays, gms Au/MT	Tail Screen Assays, gms Au/MT	Extraction by Fraction, %	Theoretical Extraction, %
48158	63319		12.5	0.00	--	--	--	--	--	--	--
		12.5	9.5	0.17	0.9%	0.9%	100.0%	--	--	--	--
		9.5	6.3	3.25	16.4%	17.3%	99.1%	0.965	0.195	80%	85%
		6.3	3.35	5.73	29.0%	46.3%	82.7%	1.258	0.195	84%	86%
		3.35	1.70	4.07	20.6%	66.9%	53.7%	0.715	0.167	77%	86%
		1.70	0.600	3.23	16.3%	83.2%	33.1%	0.845	0.146	83%	90%
		0.600	0.212	0.89	4.5%	87.7%	16.8%	1.191	0.127	89%	93%
		0.212	0.075	1.70	8.6%	96.3%	12.3%	2.004	0.122	94%	94%
		0.075	Pan	0.72	3.7%	100.0%	3.7%	1.594	0.081	95%	95%
Total -				19.77	100.0%	--	--	--	--	--	--

Tail Screen Analysis								Analysis of Silver Content			
KCA Sample No.	KCA Test No.	Passing, mm	Retained, mm	Sample Weight, kg	Weight Distribution, %	Cumulative Weight Retained, %	Cumulative Weight Passing, %	Head Screen Assays, gms Ag/MT	Tail Screen Assays, gms Ag/MT	Extraction by Fraction, %	Theoretical Extraction, %
48158	63319		12.5	0.00	--	--	--	--	--	--	--
		12.5	9.5	0.17	0.9%	0.9%	100.0%	--	--	--	--
		9.5	6.3	3.25	16.4%	17.3%	99.1%	0.41	0.15	63%	63%
		6.3	3.35	5.73	29.0%	46.3%	82.7%	0.41	0.21	50%	64%
		3.35	1.70	4.07	20.6%	66.9%	53.7%	0.62	0.31	50%	68%
		1.70	0.600	3.23	16.3%	83.2%	33.1%	0.62	0.15	75%	78%
		0.600	0.212	0.89	4.5%	87.7%	16.8%	0.62	0.21	67%	81%
		0.212	0.075	1.70	8.6%	96.3%	12.3%	0.79	0.10	87%	85%
		0.075	Pan	0.72	3.7%	100.0%	3.7%	0.89	0.18	80%	80%
Total -				19.77	100.0%	--	--	--	--	--	--

Figure 6-12.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63319
Crushed Material, Calculated 80% passing 6.0 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction - Gold

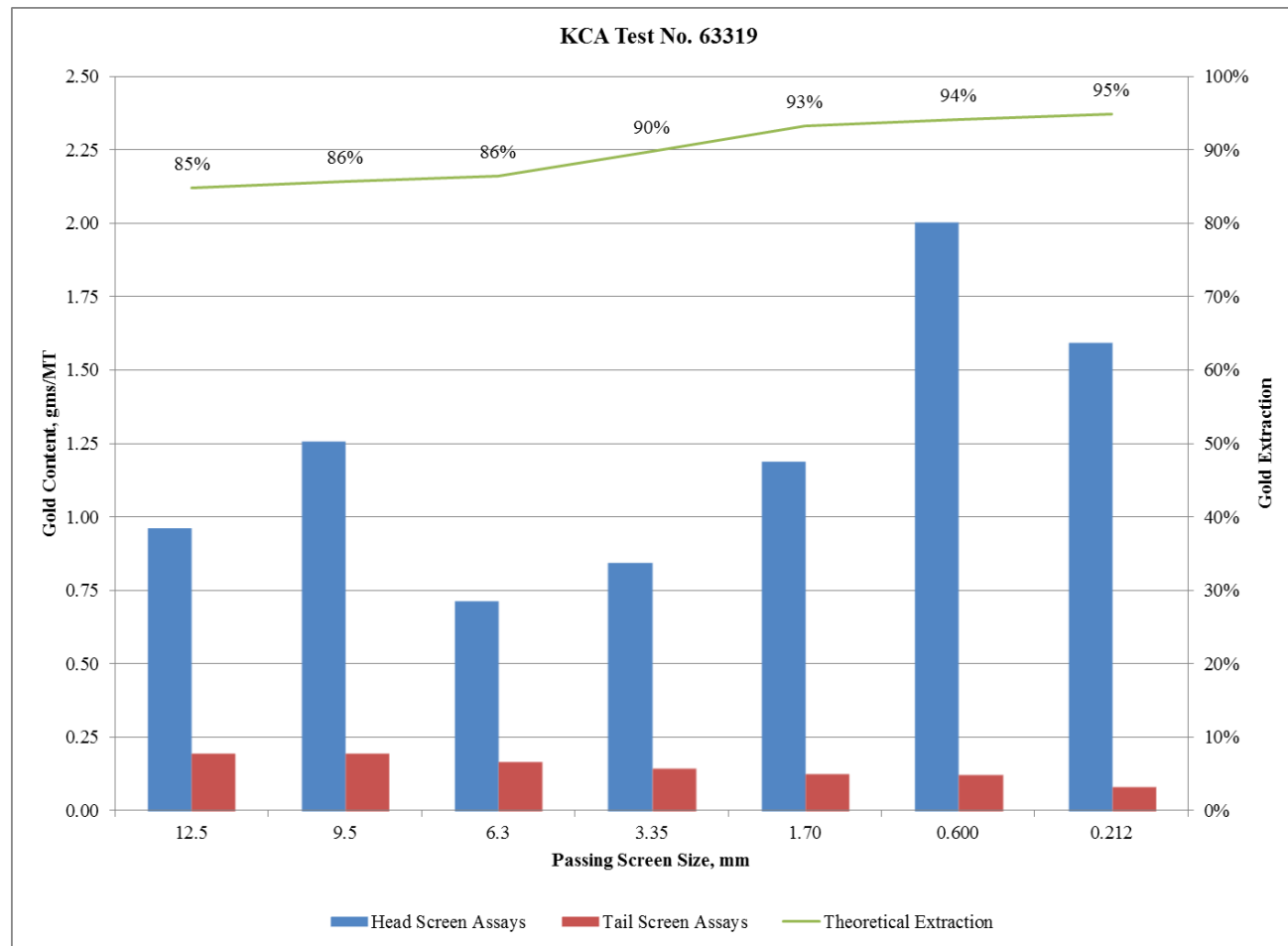
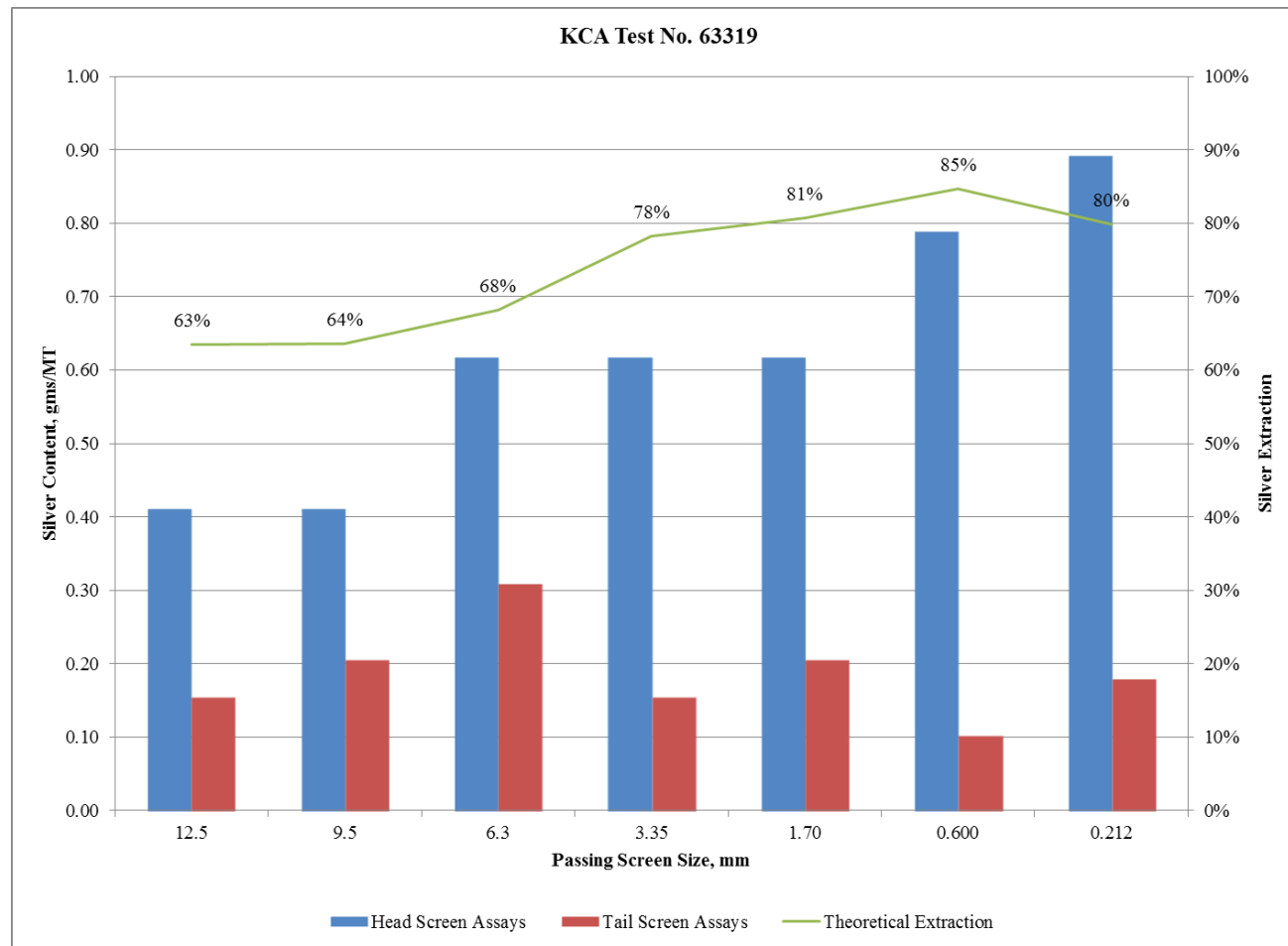


Figure 6-13.
Eagle Gold Project
Environmental Composite
KCA Sample No. 48158
KCA Test No. 63319
Crushed Material, Calculated 80% passing 6.0 millimeters
Head Screen versus Tail Screen Analyses by Size Fraction - Silver



7.0 Assaying Procedures

7.1 Heads and Tails

Head and tail assays for gold were run as one assay ton (1AT) fire assays by standard fire assay methods with flame atomic absorption spectrophotometric (FAAS) finish. Head and tail assays for silver were run through a four (4) acid digestion of a 0.2 gram sample with FAAS finish.

7.2 Carbon Assays

The loaded granular activated carbon was dried and weighed. Carbon was split out for assay, roasted to convert it to ash and then conventionally fire assayed (ASTM method: Standard Test Method for Determination of Gold in Activated Carbon by Fire Assay Gravimetry, designation: E 1568-03, modified for silver analysis).

7.3 Solution Assays

Solution assays were made by FAAS methods using certified gold and silver standards. For column leach test work, the solution assays were used merely to check on the progress of the column tests, since actual extractions were based on fire assays of the activated carbon.

7.4 Cyanide Assays

Sodium cyanide concentrations in leach solutions were determined using a colorimetric titration using a silver nitrate titrant and 5-[p-(Dimethylamino)-benzylidene]-rhodanine as the indicator. Free cyanide was determined by titrating 25 mL of the leach solution to the colorimetric end point. A few drops of 1N sodium hydroxide solution were then added to break up any base metal cyanide complexes and the titration continued until the end point was reached again to determine the “total” cyanide in solution.

7.5 Multi-Element and Whole Rock Assays

Material for a multi-element analysis was digested using a four (4) acid digestion. This digestion provided a total digestion. The resulting solution was then assayed semi-quantitatively by means of a Perkin-Elmer 2000 DV ICAP-OES. Whole rock analysis was conducted using a lithium metaborate fusion followed by ICAP-OES analysis. Certified standards were utilized for both types of analyses.

7.6 Carbon and Sulfur Assays

Carbon and sulfur analyses are conducted utilizing a LECO® CS 230 carbon/sulfur with an induction furnace (approximately 1,350°C) and infrared (IR) detectors. The LECO® method consists of burning the carbon and sulfur to SO₂ and CO₂, respectively, and analyzing the off-gas in a sequential IR detector system.

The method employed by Kappes, Cassiday & Associates (KCA) to determine organic carbon is to roast a sample of the material at 510°C followed by an analysis of the roasted residue in the LECO® to determine carbon present as inorganic carbon (organic carbon having been burned off). The difference between the total carbon and the carbon present as inorganic carbon is then calculated as the organic carbon.

The method employed by Kappes, Cassiday & Associates (KCA) to determine sulfate sulfur is to roast a sample of the material at 650°C followed by an analysis of the roasted residue in the LECO® to determine sulfur present as sulfate sulfur (sulfides have been burned off). The difference between the total sulfur and the sulfur present as sulfate sulfur is then calculated as the sulfide sulfur.

7.7 Available Lime Index

The available lime index for the reagent grade hydrated lime ($\text{Ca}(\text{OH})_2$) or lime (CaO) utilized by Kappes, Cassiday & Associates (KCA) for this test program was determined using a modified procedure developed from ASTM C25-99, Standard Test Methods for Chemical Analysis of Limestone, Quicklime and Hydrated Lime. This test is otherwise known as the “rapid sugar test method”.

For the Available Lime Index test method, a sample of the reagent grade lime material is slaked and dispersed with water. The lime is solubilized by reaction with sugar to form calcium sucate which is then determined by titration against a standard acid (hydrochloric acid) using phenolphthalein as the indicator.

Analysis of the reagent grade hydrated lime ($\text{Ca}(\text{OH})_2$) or lime (CaO) utilized by KCA is conducted periodically and the average results are reported below:

Reagent Grade Product	Available Lime Index, % CaO
Lime, CaO	95.4%
Hydrated Lime, $\text{Ca}(\text{OH})_2$	73.1%

Appendix A
Column Leach Test Logs

Key to Column Leach Test Logs

Daily log sheets for the leach tests are included in this appendix. The extractions are based on solution assays determined by atomic absorption spectrophotometry. The extractions in the body of the report are based on carbon fire assays completed on the granular activated carbon used during the test program.

The data given in the tables alternate daily between pregnant and barren solutions. The gold and silver values not recovered by the carbon are recorded as negative extractions. Each log sheet contains the following daily information:

Column	Description of Data
1	Activity Date
2	pH levels, units
3	Free NaCN Concentration, gms/L
4	Total NaCN Concentration, gms/L
5	Lime Addition, grams
6	Cumulative Lime Added, kg/MT
7	NaCN Addition, grams
8	Cumulative NaCN Consumed, kg/MT
9	Days Run - Days of Leach
10	Water Added to the System, grams or mLs
11	Carbon Bottle Identification (C - placement, XC - removal)
12	Gold Solution Assay (FAAS), mg/L
13	Silver Solution Assay (FAAS), mg/L
14	Copper Solution Assay (FAAS), mg/L
15	Cycling Solution Volume, mLs
16	Flow Rate Pregnant Leach Solution, L/Hour/Square Meter of Column Surface
17	Cumulative Tonnes of Pregnant Leach Solution per Tonne of Ore Under Leach
18	Daily Gold Extraction Based upon Solution Assays, gms Au/MT
19	Cumulative Gold Extraction Based Upon Solution Assays, gms Au/MT
20	Daily Percent Gold Extracted
21	Cumulative Percent Gold Extracted
22	Percent of Total Gold Extracted
23	Daily Silver Extraction Based upon Solution Assays, gms Ag/MT
24	Cumulative Silver Extraction Based Upon Solution Assays, gms Ag/MT
25	Daily Percent Silver Extracted
26	Cumulative Percent Silver Extracted

Eagle Gold Project
Summary of Column Leach Test Logs with Extractions Based on Solution Assays

KCA Sample No.	KCA Test No.	Description	Column Temp. °C	Target p80 Size, mm	Calculated Head, gms Au/MT	Extracted, gms Au/MT	Weighted ¹ Avg. Tails, gms Au/MT	Extracted, % Au	Calculated ¹ Tail p80 Size, mm	Days of Leach	Consumption NaCN, kg/MT	Addition Cement, kg/MT
48158	63301	Environmental Composite	22	6.3	0.955	0.790	0.165	83%	6.1	143	1.24	3.03
48158	63304	Environmental Composite	22	6.3	0.957	0.802	0.156	84%	5.7	143	1.22	3.03
48158	63307	Environmental Composite	22	6.3	0.916	0.751	0.166	82%	6.4	143	1.27	3.03
48158	63310	Environmental Composite	22	6.3	1.069	0.905	0.164	85%	6.0	143	1.06	3.03
48158	63313	Environmental Composite	22	6.3	0.985	0.813	0.172	83%	6.4	143	1.40	3.03
48158	63316	Environmental Composite	22	6.3	0.896	0.731	0.165	82%	6.1	143	1.28	3.03
48158	63319	Environmental Composite	3	6.3	0.984	0.816	0.167	83%	6.0	143	1.27	3.02
48158	63322	Environmental Composite	3	6.3	1.006	0.841	0.165	84%	6.1	143	1.48	3.03

Note (1): For KCA Test Nos. 63301, 16 and 22, the Weighted Average Tails and Calculated Tail p80 values are the average of five (5) tests.

KCA Sample No.	KCA Test No.	Description	Column Temp. °C	Target p80 Size, mm	Calculated Head, gms Ag/MT	Extracted, gms Ag/MT	Weighted ¹ Avg. Tails, gms Ag/MT	Extracted, % Ag	Calculated ¹ Tail p80 Size, mm	Days of Leach	Consumption NaCN, kg/MT	Addition Cement, kg/MT
48158	63301	Environmental Composite	22	6.3	0.48	0.29	0.19	60%	6.1	143	1.24	3.03
48158	63304	Environmental Composite	22	6.3	0.54	0.34	0.20	63%	5.7	143	1.22	3.03
48158	63307	Environmental Composite	22	6.3	0.49	0.31	0.17	64%	6.4	143	1.27	3.03
48158	63310	Environmental Composite	22	6.3	0.61	0.43	0.18	70%	6.0	143	1.06	3.03
48158	63313	Environmental Composite	22	6.3	0.53	0.32	0.21	60%	6.4	143	1.40	3.03
48158	63316	Environmental Composite	22	6.3	0.49	0.30	0.19	60%	6.1	143	1.28	3.03
48158	63319	Environmental Composite	3	6.3	0.52	0.32	0.20	62%	6.0	143	1.27	3.02
48158	63322	Environmental Composite	3	6.3	0.52	0.33	0.19	63%	6.1	143	1.48	3.03

Note (1): For KCA Test Nos. 63301, 16 and 22, the Weighted Average Tails and Calculated Tail p80 values are the average of five (5) tests.

Project:	Eagle Gold															Head Screen, gms Au/MT:	1.077			gms Ag/MT:	0.56				
Sample Description:	Environmental Composite															Head Assay, gms Au/MT:	1.041			gms Ag/MT:	0.62				
Test No.:	63301															Extracted, gms Au/MT:	0.790			gms Ag/MT:	0.29				
Sample I.D.:	48158															Tail Assay, gms Au/MT:	0.165			gms Ag/MT:	0.19				
Initial Ht., meters:	1.53															Calculated Head, gms Au/MT:	0.955			gms Ag/MT:	0.48				
Crush Size, mm:	9.5															Est. Weight of Sample, kg:	39.28								
Column I.D., meters:	0.152															Column Surface Area, square meters:	0.018								
																Cement Addition, grams:	118.86			kg/MT:	3.03				
																Hydrated Lime Addition, grams:	0.00			kg/MT:	0.00				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mLs	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
30-Jan	---	---	---	0.00	0.00	6.86	0.00	0	6,863	---	---	---	---	---	---	0.00	0.000	0.000	0.0%	0%	0%	0.00	0.00	0.0%	0%
30-Jan	---	---	---	---	---	---	---	1	5,300	---	---	---	---	---	---	0.00	0.000	0.000	0.0%	0%	0%	0.00	0.00	0.0%	0%
31-Jan	---	---	---	0.00	0.00	5.30	0.17	---	---	---	---	---	---	---	---	0.00	0.000	0.000	0.0%	0%	0%	0.00	0.00	0.0%	0%
31-Jan	11.8	0.94	0.94	---	---	---	---	1	---	C-1	1.91	1.14	15.00	4,800	10.96	0.12	0.233	0.233	24.4%	24%	30%	0.14	0.14	28.9%	29%
1-Feb	11.2	0.73	0.73	0.00	0.00	0.00	0.19	---	---	---	<-0.01	<-0.01	---	4,800	---	---	0.000	0.233	0.0%	0%	---	0.00	0.14	0.0%	---
1-Feb	11.9	0.54	0.54	---	---	---	---	2	---	---	0.66	0.31	9.40	5,240	11.97	0.26	0.088	0.321	9.2%	34%	41%	0.04	0.18	8.6%	37%
2-Feb	11.7	0.40	0.40	0.00	0.00	0.00	0.12	---	---	---	<-0.01	<-0.01	---	5,240	---	---	0.000	0.321	0.0%	0%	---	0.00	0.18	0.0%	---
2-Feb	11.6	0.97	0.97	---	---	---	---	3	---	---	0.50	0.18	7.18	4,500	10.28	0.37	0.057	0.379	6.0%	40%	48%	0.02	0.20	4.3%	42%
3-Feb	11.6	0.96	0.96	0.00	0.00	0.80	0.10	---	800	---	<-0.01	0.01	---	4,500	---	---	0.000	0.379	0.0%	0%	---	0.00	0.20	-0.2%	---
3-Feb	11.9	0.84	0.84	---	---	---	---	4	---	---	0.26	0.09	---	4,920	11.24	0.50	0.033	0.411	3.4%	43%	52%	0.01	0.21	2.3%	44%
4-Feb	11.6	0.72	0.72	0.00	0.00	0.00	0.06	---	---	---	<-0.01	0.01	---	4,920	---	---	0.000	0.411	0.0%	0%	---	0.00	0.21	-0.3%	---
4-Feb	11.8	0.93	0.93	---	---	---	---	5	---	---	0.27	0.08	---	4,960	11.33	0.62	0.034	0.445	3.6%	47%	56%	0.01	0.22	2.1%	46%
5-Feb	11.6	0.61	0.61	0.00	0.00	0.00	0.06	---	---	---	0.01	0.02	---	4,960	---	---	<-0.01	0.444	-0.1%	---	---	0.00	0.22	-0.5%	---
5-Feb	11.7	0.79	0.79	---	---	---	---	6	---	---	0.11	0.04	---	4,940	11.28	0.75	0.014	0.458	1.4%	48%	58%	0.01	0.22	1.0%	46%
6-Feb	11.6	0.72	0.72	0.00	0.00	0.00	0.05	---	---	---	<-0.01	<-0.01	---	4,940	---	---	0.000	0.458	0.0%	0%	---	0.00	0.22	0.0%	---
6-Feb	11.7	0.70	0.70	---	---	---	---	7	---	---	0.14	0.04	---	4,600	10.51	0.86	0.016	0.474	1.7%	50%	60%	0.00	0.23	1.0%	47%
7-Feb	11.3	0.61	0.61	0.00	0.00	0.00	0.04	---	---	XC-1	<-0.01	<-0.01	---	4,600	---	---	0.000	0.474	0.0%	0%	---	0.00	0.23	0.0%	---
7-Feb	11.6	0.66	0.66	---	---	---	---	8	---	C-2	0.11	0.02	---	4,820	11.01	0.99	0.013	0.488	1.4%	51%	62%	0.00	0.23	0.5%	48%
8-Feb	10.9	0.51	0.51	0.00	0.00	0.00	0.05	---	---	---	<-0.01	0.01	---	4,820	---	---	0.000	0.488	0.0%	0%	---	0.00	0.23	-0.3%	---
8-Feb	11.6	0.67	0.67	---	---	---	---	9	---	---	0.09	0.03	12.50	4,420	10.10	1.10	0.010	0.498	1.1%	52%	63%	0.00	0.23	0.7%	48%
9-Feb	11.0	0.57	0.57	0.00	0.00	0.90	0.04	---	900	---	<-0.01	0.01	---	4,420	---	---	0.000	0.498	0.0%	0%	---	0.00	0.23	-0.2%	---
9-Feb	11.4	0.59	0.59	---	---	---	---	10	---	---	0.08	0.03	---	4,460	10.19	1.21	0.009	0.507	1.0%	53%	64%	0.00	0.23	0.7%	49%
10-Feb	11.1	0.52	0.52	0.00	0.00	0.00	0.06	---	---	---	<-0.01	<-0.01	---	4,460	---	---	0.000	0.507	0.0%	0%	---	0.00	0.23	0.0%	---
10-Feb	11.5	0.57	0.57	---	---	---	---	11	---	---	0.07	0.01	---	5,260	12.01	1.35	0.009	0.516	1.0%	54%	65%	0.00	0.24	0.3%	49%
13-Feb	10.7	0.40	0.40	0.00	0.00	0.00	0.05	---	---	---	<-0.01	<-0.01	---	5,260	---	---	0.000	0.516	0.0%	0%	---	0.00	0.24	0.0%	---
13-Feb	11.4	0.60	0.60	---	---	---	---	14	---	---	0.07	0.01	---	4,460	10.19	1.46	0.008	0.524	0.8%	55%	66%	0.00	0.24	0.2%	49%
14-Feb	10.7	0.55	0.55	0.00	0.00	0.80	0.04	---	800	---	<-0.01	<-0.01	---	4,460	---	---	0.000	0.524	0.0%	0%	---	0.00	0.24	0.0%	---
14-Feb	11.4	0.48	0.48	---	---	---	---	15	---	---	0.23	0.04	---	4,310	9.84	1.57	0.025	0.550	2.6%	58%	70%	0.00	0.24	0.9%	50%
15-Feb	11.2	0.45	0.45	0.00	0.00	1.00	0.06	---	1,000	---	<-0.01	<-0.01	---	4,310	---	---	0.000	0.550	0.0%	0%	---	0.00	0.24	0.0%	---
15-Feb	11.6	0.56	0.56	---	---	---	---	16	---	---	0.05	0.01	10.40	5,430	12.40	1.71	0.007	0.557	0.7%	58%	70%	0.00	0.24	0.3%	50%
16-Feb	11.0	0.42	0.42	0.00	0.00	0.00	0.07	---	---	---	<-0.01	<-0.01	---	5,430	---	---	0.000	0.557	0.0%	0%	---	0.00	0.24	0.0%	---
16-Feb	11.3	0.47	0.47	---	---	---	---	17	---	---	0.04	0.01	---	5,380	12.29	1.85	0.005	0.562	0.6%	59%	71%	0.00	0.24	0.3%	51%
17-Feb	11.2	0.40	0.40	0.00	0.00	0.00	0.05	---	---	---	<-0.01	<-0.01	---	5,380	---	---	0.000	0.562	0.0%	0%	---	0.00	0.24	0.0%	---
17-Feb	11.4	0.55	0.55	---	---	---	---	18	---	---	0.04	0.01	---	5,420	12.38	1.98	0.006	0.568	0.6%	59%	72%	0.00	0.25	0.3%	51%
21-Feb	10.3	0.35	0.35	0.00	0.00	1.40	0.03	---	---	XC-2	0.01	<-0.01	---	5,420	---	---	<-0.01	0.566	-0.1%	---	---	0.00	0.25	0.0%	---
21-Feb	10.4	0.38	0.38	---	---	---	---	22	---	C-3	0.06	<-0.01	---	5,420	12.38	2.12	0.008	0.574	0.9%	60%	73%	0.00	0.25	0.0%	51%
22-Feb	10.3	0.28	0.28	0.00	0.00	1.70	0.07	---	---	---	<-0.01	<-0.01	---	5,240	---	---	0.000	0.574	0.0%	0%	---	0.00	0.25	0.0%	---
22-Feb	11.2	0.37	0.37	---	---	---	---	23	---	---	0.10	0.02	11.10	4,750	10.85	2.24	0.012	0.587	1.3%	61%	74%	0.00	0.25	0.5%	51%
23-Feb	10.6	0.27	0.27	0.00	0.00	1.60	0.12	---	---	---	<-0.01	<-0.01	---	4,750	---	---	0.000	0.587	0.0%	0%	---	0.00	0.25	0.0%	---
23-Feb	11.2	0.58	0.58	---	---	---	---	24	---	---	0.05	<-0.01	---	5,190	11.85	2.37	0.007	0.593	0.7%	62%	75%	0.00	0.25	0.0%	51%
24-Feb	10.6	0.57	0.57	0.00	0.00	0.00	0.12	---	---	---	<-0.01	<-0.01	---	5,190	---	---	0.000	0.593	0.0%	0%	---	0.00	0.25	0.0%	---
24-Feb	10.9	0.55	0.55	---	---	---	---	25	---	---	0.04	<-0.01	---	4,160	9.50	2.48	0.004	0.597	0.4%	63%	76%	0.00	0.25	0.0%	51%
27-Feb	10.6	0.40	0.40	0.00	0.00	1.10	0.09	---	1,100	---	<-0.01	<-0.01	---	4,160	---	---	0.000	0.597	0.0%	0%	---	0.00	0.25	0.0%	---
27-Feb	10.8	0.56	0.56	---	---	---	---	28	---	---	0.03	<-0.01	---	5,080	11.60	2.61	0.004	0.601	0.4%	63%	76%	0.00	0.25	0.0%	51%
28-Feb	10.3	0.40	0.40	0.00	0.00	0.00	0.12	---	---	---	<-0.01	<-0.01	---	5,080	---	---	0.000	0.601	0.0%	0%	---	0.00	0.25	0.0%	---
28-Feb	10.9	0.34	0.34	---	---	---	---	29	---	---	0.07	<-0.01	---	4,200	9.59	2.72	0.007	0.609	0.8%	64%	77%	0.00	0.25	0.0%	51%
29-Feb	10.6	0.32	0.32	0.00	0.00	2.30	0.13	---	1,100	---	<-0.01	<-0.01	---	4,200	---	---	0.000	0.609	0.0%	0%	---	0.00	0.25	0.0%	---
29-Feb	10.8	0.45	0.45	---	---	---	---	30	---	---	0.30	<-0.01	10.20	5,750	13.13	2.86	0.044	0.653	4.6%	68%	83%	0.00	0.25	0.0%	51%
1-Mar	10.8	0.40	0.40	0.00	0.00	0.00	0.17	---	---	---	0.01	<-0.01	---	5,750	---	---	<-0.01	0.651	-0.2%	---	---	0.00	0.25	0.0%	---
1-Mar	11.1	0.46	0.46	---	---	---	---	31	---	---	0.04	0.01	---	4,830	11.03	2.99	0.005	0.656	0.5%	69%	83%	0.00	0.25	0.3%	52%
2-Mar	10.8	0.40	0.40	0																					

Project:	Eagle Gold	Head Screen, gms Au/MT:	1.077	gms Ag/MT:	0.56
Sample Description:	Environmental Composite	Head Assay, gms Au/MT:	1.041	gms Ag/MT:	0.62
Test No.:	63301	Extracted, gms Au/MT:	0.790	gms Ag/MT:	0.29
Sample I.D.:	48158	Tail Assay, gms Au/MT:	0.165	gms Ag/MT:	0.19
Initial Ht., meters:	1.53	Calculated Head, gms Au/MT:	0.955	gms Ag/MT:	0.48
Crush Size, mm:	9.5	Est. Weight of Sample, kg:	39.28		
Column I.D., meters:	0.152	Column Surface Area, square meters:	0.018		
		Cement Addition, grams:	118.86	kg/MT:	3.03
		Hydrated Lime Addition, grams:	0.00	kg/MT:	0.00

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mL	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
20-Mar	10.7	0.52	0.52	—	—	1.00	0.28	50	1,000	—	0.07	0.01	—	4,310	9.84	4.51	0.008	0.682	0.8%	71%	86%	0.00	0.26	0.0%	55%
21-Mar	10.5	0.40	0.40	0.00	0.00	1.00	—	51	1,000	—	<0.01	<0.01	—	4,310	—	—	0.000	0.682	0.0%	—	0.00	0.26	0.0%	—	
21-Mar	10.8	0.54	0.54	—	—	1.00	0.30	51	1,000	—	0.02	0.01	8.59	4,260	9.73	4.62	0.002	0.684	0.2%	72%	87%	0.00	0.26	0.2%	55%
22-Mar	10.6	0.40	0.40	0.00	0.00	1.00	—	52	—	—	<0.01	<0.01	—	4,260	—	—	0.000	0.684	0.0%	—	0.00	0.26	0.0%	—	
22-Mar	10.9	0.42	0.42	—	—	—	—	52	—	—	0.02	<0.01	—	5,160	11.79	4.75	0.003	0.687	0.3%	72%	87%	0.00	0.26	0.0%	55%
23-Mar	10.7	0.32	0.32	0.00	0.00	1.40	0.31	53	—	—	<0.01	<0.01	—	5,160	—	—	0.000	0.687	0.0%	—	0.00	0.26	0.0%	—	
23-Mar	10.9	0.43	0.43	—	—	—	—	53	—	—	0.02	<0.01	—	5,080	11.60	4.88	0.003	0.689	0.3%	72%	87%	0.00	0.26	0.0%	55%
26-Mar	10.3	0.28	0.28	0.00	0.00	1.60	0.33	56	—	—	<0.01	<0.01	—	5,080	—	—	0.000	0.689	0.0%	—	0.00	0.26	0.0%	—	
26-Mar	10.4	0.44	0.44	—	—	—	—	56	—	—	0.02	<0.01	—	5,010	11.44	5.01	0.003	0.692	0.3%	72%	88%	0.00	0.26	0.0%	55%
27-Mar	10.3	0.34	0.34	0.00	0.00	1.30	0.36	57	—	—	<0.01	<0.01	—	5,010	—	—	0.000	0.692	0.0%	—	0.00	0.26	0.0%	—	
27-Mar	10.6	0.44	0.44	—	—	—	—	57	—	—	0.07	0.02	—	4,260	9.73	5.12	0.000	0.722	0.8%	73%	88%	0.00	0.27	0.4%	55%
28-Mar	10.5	0.40	0.40	0.00	0.00	1.00	0.38	58	1,000	—	<0.01	<0.01	—	4,260	—	—	0.000	0.699	0.0%	—	0.00	0.27	0.0%	—	
28-Mar	10.7	0.55	0.55	—	—	—	—	58	—	—	0.01	0.01	7.88	4,880	11.15	5.24	0.001	0.701	0.1%	73%	89%	0.00	0.27	0.3%	56%
29-Mar	10.6	0.46	0.46	0.00	0.00	0.00	0.38	59	—	—	<0.01	<0.01	—	4,880	—	—	0.000	0.701	0.0%	—	0.00	0.27	0.0%	—	
29-Mar	10.8	0.49	0.49	—	—	—	—	59	—	—	0.01	0.01	—	4,730	10.80	5.36	0.001	0.702	0.1%	73%	89%	0.00	0.27	0.2%	56%
30-Mar	10.6	0.44	0.44	0.00	0.00	0.00	0.36	60	—	—	<0.01	<0.01	—	4,730	—	—	0.000	0.702	0.0%	—	0.00	0.27	0.0%	—	
30-Mar	10.7	0.52	0.52	—	—	—	—	60	—	—	0.03	<0.01	—	4,770	10.90	5.48	0.004	0.705	0.4%	74%	89%	0.00	0.27	0.0%	56%
2-Apr	10.4	0.37	0.37	0.00	0.00	1.10	0.36	63	—	—	<0.01	<0.01	—	4,770	—	—	0.000	0.705	0.0%	—	0.00	0.27	0.0%	—	
2-Apr	10.4	0.47	0.47	—	—	—	—	63	—	—	<0.01	0.01	—	4,640	10.60	5.60	0.000	0.705	0.0%	74%	89%	0.00	0.27	0.2%	56%
3-Apr	10.4	0.32	0.32	0.00	0.00	1.30	0.38	64	—	—	<0.01	<0.01	—	4,640	—	—	0.000	0.705	0.0%	—	0.00	0.27	0.0%	—	
3-Apr	10.5	0.38	0.38	—	—	—	—	64	—	—	0.04	0.01	—	3,520	8.04	5.69	0.004	0.709	0.4%	74%	90%	0.00	0.27	0.2%	56%
4-Apr	10.5	0.26	0.26	0.00	0.00	3.00	0.42	65	1,800	—	<0.01	<0.01	—	3,520	—	—	0.000	0.709	0.0%	—	0.00	0.27	0.0%	—	
4-Apr	10.7	0.43	0.43	—	—	—	—	65	—	—	0.02	<0.01	8.50	4,580	10.46	5.81	0.002	0.711	0.2%	74%	90%	0.00	0.27	0.0%	56%
5-Apr	10.5	0.35	0.35	0.00	0.00	1.20	0.49	66	—	—	<0.01	<0.01	—	4,580	—	—	0.000	0.711	0.0%	—	0.00	0.27	0.0%	—	
5-Apr	10.7	0.59	0.59	—	—	—	—	66	—	—	0.02	<0.01	—	5,030	11.49	5.93	0.003	0.714	0.3%	75%	90%	0.00	0.27	0.0%	56%
6-Apr	10.6	0.47	0.47	0.00	0.00	0.00	0.47	67	—	—	<0.01	<0.01	—	5,030	—	—	0.000	0.714	0.0%	—	0.00	0.27	0.0%	—	
6-Apr	10.7	0.61	0.61	—	—	—	—	67	—	—	0.02	<0.01	—	4,270	9.75	6.04	0.002	0.716	0.2%	75%	91%	0.00	0.27	0.0%	56%
9-Apr	10.4	0.48	0.48	0.00	0.00	1.00	0.44	70	1,000	—	<0.01	<0.01	—	4,270	—	—	0.000	0.716	0.0%	—	0.00	0.27	0.0%	—	
9-Apr	10.0	0.40	0.40	—	—	—	—	70	—	—	0.04	<0.01	—	930	2.12	6.07	0.001	0.717	0.1%	75%	91%	0.00	0.27	0.0%	56%
10-Apr	10.2	0.20	0.20	0.00	0.00	4.80	0.51	71	4,400	—	<0.01	<0.01	—	930	—	—	0.000	0.717	0.0%	—	0.00	0.27	0.0%	—	
10-Apr	10.5	0.45	0.45	—	—	—	—	71	—	—	0.04	0.01	—	4,430	10.12	6.18	0.005	0.722	0.5%	76%	91%	0.00	0.27	0.2%	57%
11-Apr	10.5	0.40	0.40	0.00	0.00	0.90	0.64	72	900	—	<0.01	<0.01	—	4,430	—	—	0.000	0.722	0.0%	—	0.00	0.27	0.0%	—	
11-Apr	10.7	0.34	0.34	—	—	—	—	72	—	—	<0.01	<0.01	3.49	5,360	12.24	6.32	0.000	0.722	0.0%	76%	91%	0.00	0.27	0.0%	57%
12-Apr	10.7	0.30	0.30	0.00	0.00	1.60	0.62	73	—	—	<0.01	<0.01	—	5,360	—	—	0.000	0.722	0.0%	—	0.00	0.27	0.0%	—	
12-Apr	10.7	0.28	0.28	—	—	—	—	73	—	—	0.01	<0.01	—	5,090	11.63	6.45	0.001	0.723	0.1%	76%	91%	0.00	0.27	0.0%	57%
13-Apr	10.7	0.62	0.62	0.00	0.00	0.00	0.67	74	—	—	<0.01	<0.01	—	5,090	—	—	0.000	0.723	0.0%	—	0.00	0.27	0.0%	—	
13-Apr	10.6	0.52	0.52	—	—	—	—	74	—	—	0.01	<0.01	—	4,960	11.33	6.57	0.001	0.724	0.1%	76%	92%	0.00	0.27	0.0%	57%
16-Apr	10.3	0.40	0.40	0.00	0.00	0.00	0.64	77	—	—	<0.01	<0.01	—	4,960	—	—	0.000	0.724	0.0%	—	0.00	0.27	0.0%	—	
16-Apr	10.4	0.52	0.52	—	—	—	—	77	—	—	0.01	<0.01	—	5,200	11.88	6.70	0.001	0.725	0.1%	76%	92%	0.00	0.27	0.0%	57%
17-Apr	10.4	0.42	0.42	0.00	0.00	0.00	0.65	78	—	—	<0.01	<0.01	—	5,200	—	—	0.000	0.725	0.0%	—	0.00	0.27	0.0%	—	
17-Apr	10.5	0.49	0.49	—	—	—	—	78	—	—	0.04	0.01	—	4,170	9.53	6.81	0.004	0.730	0.4%	76%	92%	0.00	0.27	0.2%	57%
18-Apr	10.5	0.40	0.40	0.00	0.00	1.10	0.65	79	1,100	—	<0.01	<0.01	—	4,170	—	—	0.000	0.730	0.0%	—	0.00	0.27	0.0%	—	
18-Apr	10.6	0.41	0.41	—	—	—	—	79	—	—	<0.01	<0.01	3.64	4,710	10.76	6.93	0.000	0.730	0.0%	76%	92%	0.00	0.27	0.0%	57%
19-Apr	10.5	0.34	0.34	0.00	0.00	1.20	0.68	80	—	—	<0.01	<0.01	—	4,710	—	—	0.000	0.730	0.0%	—	0.00	0.27	0.0%	—	
19-Apr	10.6	0.49	0.49	—	—	—	—	80	—	—	0.02	<0.01	—	5,090	11.63	7.06	0.003	0.732	0.3%	77%	93%	0.00	0.27	0.0%	57%
20-Apr	10.6	0.40	0.40	0.00	0.00	0.00	0.69	81	—	—	<0.01	<0.01	—	5,090	—	—	0.000	0.732	0.0%	—	0.00	0.27	0.0%	—	
20-Apr	10.7	0.40	0.40	—	—	—	—	81	—	—	<0.01	<0.01	—	4,430	10.12	7.17	0.000	0.732	0.0%	77%	93%	0.00	0.27	0.0%	57%
23-Apr	10.3	0.20	0.20	0.00	0.00	2.70	0.69	84	900	—	<0.01	<0.01	—	4,430	—	—	0.000	0.732	0.0%	—	0.00	0.27	0.0%	—	
23-Apr	10.4	0.45	0.45	—	—	—	—	84	—	—	<0.01	<0.01	—	5,070	11.58	7.30	0.000	0.732	0.0%	77%	93%	0.00	0.27	0.0%	57%
24-Apr	10.3	0.32	0.32	0.00	0.00	1.40	0.75	85	—	—	<0.01	<0.01	—	5,070	—	—	0.000	0.732	0.0%	—	0.00	0.27	0.0%	—	
24-Apr	10.5	0.62	0.62	—	—	—	—	85	—	—	0.01	0.01	—	4,170	9.53	7.41	0.001	0.733	0.1%	77%	93%	0.00	0.27	0.2%	57%
25-Apr	10.5	0.48	0.48	0.00	0.00	1.10	0.74	86	1,100	—	<0.01	<0.01	—	4,170	—	—	0.000	0.733	0.0%	—	0.00	0.27	0.0%	—	
25-Apr	10.5	0.42	0.42	—	—	—	—	86	—	—	0.01	<0.01	6.22	5,070	11.58	7.54	0.001	0.735	0.1%	77%	93%	0.00	0.27	0.0%	57%
26-Apr	10.5	0.40	0.40	0.00	0.00	0.00	0.76																		

Project:	Eagle Gold	Head Screen, gms Au/MT:	1.077	gms Ag/MT:	0.56																				
Sample Description:	Environmental Composite	Head Assay, gms Au/MT:	1.041	gms Ag/MT:	0.62																				
Test No.:	63301	Extracted, gms Au/MT:	0.790	gms Ag/MT:	0.29																				
Sample I.D.:	48158	Tail Assay, gms Au/MT:	0.165	gms Ag/MT:	0.19																				
Initial Ht., meters:	1.53	Calculated Head, gms Au/MT:	0.955	gms Ag/MT:	0.48																				
Crush Size, mm:	9.5	Est. Weight of Sample, kg:	39.28																						
Column I.D., meters:	0.152	Column Surface Area, square meters:	0.018																						
		Cement Addition, grams:	118.86	kg/MT:	3.03																				
		Hydrated Lime Addition, grams:	0.00	kg/MT:	0.00																				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mL	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
14-May	10.3	0.23	0.23	0.00	0.00	1.70	0.89	105	---	---	<0.01	<0.01	---	4,680	---	---	0.000	0.743	0.0%	0.00	0.28	0.0%	0.00	0.28	58%
14-May	10.2	0.34	0.34	---	---	---	---	---	---	---	0.01	<0.01	---	4,580	10.46	9.00	0.001	0.744	0.1%	78%	94%	0.00	0.28	0.0%	---
15-May	10.3	0.27	0.27	0.00	0.00	1.50	0.94	---	---	---	<0.01	<0.01	---	4,580	---	---	0.000	0.744	0.0%	78%	94%	0.00	0.28	0.0%	58%
15-May	10.3	0.31	0.31	---	---	---	---	106	---	---	0.02	<0.01	---	3,900	8.91	9.10	0.002	0.746	0.2%	78%	94%	0.00	0.28	0.0%	58%
16-May	10.2	0.24	0.24	0.00	0.00	2.80	0.97	---	1,400	---	<0.01	0.01	---	3,900	---	---	0.000	0.746	0.0%	---	---	0.00	0.28	-0.2%	---
16-May	10.3	0.50	0.50	---	---	---	---	107	---	---	0.02	0.01	7.17	4,410	10.07	9.21	0.002	0.749	0.2%	78%	95%	0.00	0.28	0.2%	58%
17-May	10.3	0.33	0.33	0.00	0.00	2.10	1.02	---	900	---	<0.01	0.01	---	4,410	---	---	0.000	0.749	0.0%	---	---	0.00	0.28	-0.2%	---
17-May	10.4	0.34	0.34	---	---	---	---	108	---	---	0.01	0.01	---	4,750	10.85	9.34	0.001	0.750	0.1%	78%	95%	0.00	0.28	0.3%	58%
18-May	10.3	0.29	0.29	0.00	0.00	1.50	1.05	---	---	---	<0.01	0.01	---	4,750	---	---	0.000	0.750	0.0%	---	---	0.00	0.28	-0.3%	---
18-May	10.3	0.56	0.56	---	---	---	---	109	---	---	0.01	0.01	---	5,070	11.58	9.46	0.001	0.751	0.1%	79%	95%	0.00	0.28	0.3%	58%
21-May	10.4	0.34	0.34	0.00	0.00	1.30	1.06	---	---	---	<0.01	<0.01	---	5,070	---	---	0.000	0.751	0.0%	---	---	0.00	0.28	0.0%	---
21-May	10.3	0.54	0.54	---	---	---	---	112	---	---	0.04	0.01	---	4,830	11.03	9.59	0.005	0.756	0.5%	79%	96%	0.00	0.28	0.3%	58%
22-May	10.3	0.40	0.40	0.00	0.00	0.00	1.06	---	---	---	<0.01	<0.01	---	4,830	---	---	0.000	0.756	0.0%	---	---	0.00	0.28	0.0%	---
22-May	10.3	0.51	0.51	---	---	---	---	113	---	---	0.04	0.01	---	4,060	9.27	9.69	0.004	0.760	0.4%	80%	96%	0.00	0.28	0.2%	58%
23-May	10.3	0.37	0.37	0.00	0.00	2.10	1.05	---	1,200	---	<0.01	<0.01	---	4,060	---	---	0.000	0.760	0.0%	---	---	0.00	0.28	0.0%	---
23-May	10.3	0.50	0.50	---	---	---	---	114	---	---	<0.01	0.01	7.44	4,760	10.87	9.81	0.000	0.760	0.0%	80%	96%	0.00	0.28	0.3%	58%
24-May	10.4	0.40	0.40	0.00	0.00	0.00	1.09	---	---	---	<0.01	<0.01	---	4,760	---	---	0.000	0.760	0.0%	---	---	0.00	0.28	0.0%	---
24-May	10.3	0.34	0.34	---	---	---	---	115	---	---	0.03	<0.01	---	4,970	11.35	9.94	0.004	0.764	0.4%	80%	97%	0.00	0.28	0.0%	58%
25-May	10.3	0.25	0.25	0.00	0.00	1.70	1.08	---	---	---	<0.01	<0.01	---	4,970	---	---	0.000	0.764	0.0%	---	---	0.00	0.28	0.0%	---
25-May	10.2	0.59	0.59	---	---	---	---	116	---	---	<0.01	0.01	---	4,610	10.53	10.06	0.000	0.764	0.0%	80%	97%	0.00	0.28	0.2%	59%
29-May	10.2	0.36	0.36	0.00	0.00	1.10	1.10	---	---	---	<0.01	<0.01	---	4,610	---	---	0.000	0.764	0.0%	---	---	0.00	0.28	0.0%	---
29-May	10.2	0.36	0.36	---	---	---	---	120	---	---	<0.01	<0.01	---	4,960	11.33	10.18	0.000	0.764	0.0%	80%	97%	0.00	0.28	0.0%	59%
30-May	10.1	0.27	0.27	0.00	0.00	1.60	1.12	---	---	---	<0.01	<0.01	---	4,960	---	---	0.000	0.764	0.0%	---	---	0.00	0.28	0.0%	---
30-May	10.2	0.48	0.48	---	---	---	---	121	---	---	<0.01	<0.01	8.02	3,790	8.66	10.28	0.000	0.764	0.0%	80%	97%	0.00	0.28	0.0%	59%
31-May	10.3	0.33	0.33	0.00	0.00	2.50	1.15	---	1,500	---	<0.01	<0.01	---	3,790	---	---	0.000	0.764	0.0%	---	---	0.00	0.28	0.0%	---
31-May	10.3	0.61	0.61	---	---	---	---	122	---	---	0.02	0.01	---	4,000	9.14	10.38	0.002	0.766	0.2%	80%	97%	0.00	0.28	0.2%	59%
1-Jun	10.3	0.49	0.49	0.00	0.00	0.00	1.19	---	---	---	<0.01	<0.01	---	4,000	---	---	0.000	0.766	0.0%	---	---	0.00	0.28	0.0%	---
1-Jun	10.2	0.69	0.69	---	---	---	---	123	---	---	0.03	<0.01	---	5,030	11.49	10.51	0.004	0.770	0.4%	81%	97%	0.00	0.28	0.0%	59%
4-Jun	10.4	0.40	0.40	0.00	0.00	0.00	1.13	---	---	---	<0.01	<0.01	---	5,030	---	---	0.000	0.770	0.0%	---	---	0.00	0.28	0.0%	---
4-Jun	10.2	0.41	0.41	---	---	---	---	126	---	---	<0.01	0.01	---	4,770	10.90	10.63	0.000	0.770	0.0%	81%	97%	0.00	0.29	0.3%	59%
5-Jun	10.2	0.31	0.31	0.00	0.00	1.40	1.13	---	---	---	<0.01	<0.01	---	4,770	---	---	0.000	0.770	0.0%	---	---	0.00	0.29	0.0%	---
5-Jun	10.2	0.35	0.35	---	---	---	---	127	---	---	0.02	0.01	---	4,690	10.71	10.75	0.002	0.772	0.2%	81%	98%	0.00	0.29	0.2%	59%
6-Jun	10.2	0.27	0.27	0.00	0.00	2.20	1.18	---	600	---	<0.01	<0.01	---	4,690	---	---	0.000	0.772	0.0%	---	---	0.00	0.29	0.0%	---
6-Jun	10.2	0.49	0.49	---	---	---	---	128	---	---	0.02	<0.01	8.03	4,390	10.03	10.86	0.002	0.774	0.2%	81%	98%	0.00	0.29	0.0%	59%
7-Jun	10.3	0.39	0.39	0.00	0.00	1.80	1.21	---	900	---	<0.01	<0.01	---	4,390	---	---	0.000	0.774	0.0%	---	---	0.00	0.29	0.0%	---
7-Jun	10.2	0.57	0.57	---	---	---	---	129	---	---	0.01	0.01	---	4,780	10.92	10.98	0.001	0.776	0.1%	81%	98%	0.00	0.29	0.3%	60%
8-Jun	10.4	0.46	0.46	0.00	0.00	0.00	1.22	---	---	---	<0.01	0.02	---	4,780	---	---	0.000	0.776	0.0%	---	---	0.00	0.29	-0.5%	---
8-Jun	10.2	0.37	0.37	---	---	---	---	130	---	---	0.03	0.02	7.05	5,010	11.44	11.11	0.004	0.779	0.4%	82%	99%	0.00	0.29	0.5%	60%
11-Jun	10.3	0.27	0.27	0.00	0.00	0.00	1.22	---	---	---	<0.01	<0.01	---	5,010	---	---	0.000	0.779	0.0%	---	---	0.00	0.29	0.0%	---
11-Jun	10.2	0.47	0.51	---	---	---	---	133	---	---	0.01	<0.01	---	4,110	9.39	11.21	0.001	0.781	0.1%	82%	99%	0.00	0.29	0.0%	60%
12-Jun	10.3	0.36	0.36	0.00	0.00	0.00	1.22	---	1,200	---	0.01	0.01	---	4,110	---	---	<0.01	0.779	-0.1%	---	---	0.00	0.29	-0.2%	---
12-Jun	10.2	0.29	0.29	---	---	---	---	134	---	---	0.05	0.01	---	4,820	11.01	11.34	0.006	0.786	0.6%	82%	99%	0.00	0.29	0.3%	60%
13-Jun	10.3	0.24	0.24	0.00	0.00	0.00	1.22	---	---	---	0.01	0.01	---	4,820	---	---	<0.01	0.784	-0.1%	---	---	0.00	0.29	-0.3%	---
13-Jun	10.2	0.25	0.25	---	---	---	---	135	---	---	0.01	0.01	7.09	4,790	10.94	11.46	0.001	0.786	0.1%	82%	99%	0.00	0.29	0.3%	60%
14-Jun	10.1	0.22	0.22	0.00	0.00	0.00	1.23	---	---	---	<0.01	<0.01	---	4,790	---	---	0.000	0.786	0.0%	---	---	0.00	0.29	0.0%	---
14-Jun	10.1	0.22	0.22	---	---	---	---	136	---	---	0.01	<0.01	---	4,710	10.76	11.58	0.001	0.787	0.1%	82%	100%	0.00	0.29	0.0%	60%
15-Jun	10.0	0.17	0.17	0.00	0.00	0.00	1.23	---	---	---	<0.01	0.01	---	4,710	---	---	0.000	0.787	0.0%	---	---	0.00	0.29	-0.2%	---
15-Jun	10.0	0.20	0.20	---	---	---	---	137	---	---	0.01	<0.01	---	4,620	10.55	11.70	0.001	0.788	0.1%	82%	100%	0.00	0.29	0.0%	59%
18-Jun	9.9	0.11	0.11	0.00	0.00	0.00	1.23	---	700	---	<0.01	0.01	---	4,620	---	---	0.000	0.788	0.0%	---	---	0.00	0.29	-0.7%	---
18-Jun	9.9	0.14	0.14	---	---	---	---	140	---	---	<0.01	0.01	---	4,610	10.53	11.81	0.000	0.788	0.0%	82%	100%	0.00	0.29	0.2%	59%
19-Jun	9.9	0.08	0.08	0.00	0.00	0.00	1.24	---	700	---	<0.01	0.01	---	4,610	---	---	0.000	0.788	0.0%	---	---	0.00	0.29	-0.2%	---
19-Jun	10.1	0.09	0.09	---	---	---	---	141	---	---	0.01	0.02	---	4,600	10.51	11.93	0.001	0.789	0.1%	83%	100%	0.00	0.29	0.5%	60%
20-Jun	9.9	0.03	0.03	0.00	0.00	0.00	1.24	---	700	---	<0.01	0.01	---	4,600	---	---	0.000	0.789	0.0%	---	---	0.00	0.29	-0.2%	---
20-Jun	10.0	0.04	0.04	---	---	---	---	142	---	---	<0.01	0.02	6.73	4,530	10.35	12.05	0.000	0.789	0.0%	83%	100%	0.00	0.29	0.5%	60%
21-Jun	9.9	0.04	0.04	0.00	0.00	0.00	1.25	---	---	---	<0.01	0.01	---	4,530	---										

date: 12/16/2013

Project:	Eagle Gold															Head Screen, gms Au/MT: 1.077				gms Ag/MT: 0.56					
Sample Description:	Environmental Composite															Head Assay, gms Au/MT: 1.041				gms Ag/MT: 0.62					
Test No.:	63304															Extracted, gms Au/MT: 0.802				gms Ag/MT: 0.34					
Sample I.D.:	48158															Tail Assay, gms Au/MT: 0.156				gms Ag/MT: 0.20					
Initial Ht., meters:	1.54															Calculated Head, gms Au/MT: 0.957				gms Ag/MT: 0.54					
Crush Size, mm:	9.5															Weight of Sample, kg: 39.24									
Column I.D., meters:	0.152															Column Surface Area, square meters: 0.018									
																		Cement Addition, grams: 118.86				kg/MT: 3.03			
																		Hydrated Lime Addition, grams: 0.00				kg/MT: 0.00			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mL	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
20-Mar	10.4	0.52	0.52	—	—	—	—	50	—	—	0.02	0.02	—	4,430	10.12	4.54	0.002	0.727	0.2%	76%	91%	0.00	0.30	0.4%	57%
21-Mar	10.6	0.37	0.37	0.00	0.00	1.90	0.35	51	900	—	<0.01	<0.01	—	4,430	—	—	0.000	0.727	0.0%	—	—	0.00	0.30	0.0%	—
21-Mar	10.8	0.34	0.34	—	—	—	—	51	—	—	0.02	<0.01	9.33	4,360	9.96	4.65	0.002	0.729	0.2%	76%	91%	0.00	0.30	0.0%	57%
22-Mar	10.5	0.25	0.25	0.00	0.00	2.40	0.40	—	900	—	<0.01	<0.01	—	4,360	—	—	0.000	0.729	0.0%	—	—	0.00	0.30	0.0%	—
22-Mar	10.9	0.64	0.64	—	—	—	—	52	—	—	0.02	<0.01	—	4,970	11.35	4.78	0.003	0.732	0.3%	76%	91%	0.00	0.30	0.0%	57%
23-Mar	10.7	0.52	0.52	0.00	0.00	0.00	0.42	—	—	—	<0.01	<0.01	—	4,970	—	—	0.000	0.732	0.0%	—	—	0.00	0.30	0.0%	—
23-Mar	11.0	0.46	0.46	—	—	—	—	53	—	—	0.02	0.01	—	4,850	11.08	4.90	0.002	0.734	0.3%	77%	92%	0.00	0.31	0.2%	57%
26-Mar	10.4	0.35	0.35	0.00	0.00	1.20	0.39	—	—	—	<0.01	<0.01	—	4,850	—	—	0.000	0.734	0.0%	—	—	0.00	0.31	0.0%	—
26-Mar	10.5	0.64	0.64	—	—	—	—	56	—	—	0.03	<0.01	—	4,910	11.22	5.03	0.004	0.738	0.4%	77%	92%	0.00	0.31	0.0%	57%
27-Mar	10.4	0.45	0.45	0.00	0.00	0.00	0.40	—	—	—	<0.01	<0.01	—	4,910	—	—	0.000	0.738	0.0%	—	—	0.00	0.31	0.0%	—
27-Mar	10.6	0.45	0.45	—	—	—	—	57	—	—	0.04	0.01	—	4,090	9.34	5.13	0.004	0.742	0.4%	78%	93%	0.00	0.31	0.2%	57%
28-Mar	10.5	0.35	0.35	0.00	0.00	2.20	0.40	—	1,200	—	<0.01	<0.01	—	4,090	—	—	0.000	0.742	0.0%	—	—	0.00	0.31	0.0%	—
28-Mar	10.7	0.54	0.54	—	—	—	—	58	—	—	0.02	0.01	9.49	4,670	10.67	5.25	0.002	0.745	0.2%	78%	93%	0.00	0.31	0.2%	57%
29-Mar	10.6	0.40	0.40	0.00	0.00	0.00	0.45	—	—	—	<0.01	<0.01	—	4,670	—	—	0.000	0.745	0.0%	—	—	0.00	0.31	0.0%	—
29-Mar	10.8	0.70	0.70	—	—	—	—	59	—	—	0.01	0.01	—	4,940	11.28	5.37	0.001	0.746	0.1%	78%	93%	0.00	0.31	0.2%	58%
30-Mar	10.6	0.55	0.55	0.00	0.00	0.00	0.39	—	—	—	<0.01	<0.01	—	4,940	—	—	0.000	0.746	0.0%	—	—	0.00	0.31	0.0%	—
30-Mar	10.7	0.44	0.44	—	—	—	—	60	—	—	0.02	<0.01	—	4,060	9.27	5.48	0.002	0.748	0.2%	78%	93%	0.00	0.31	0.0%	58%
2-Apr	10.4	0.34	0.34	0.00	0.00	2.30	0.39	—	1,200	—	<0.01	<0.01	—	4,060	—	—	0.000	0.748	0.0%	—	—	0.00	0.31	0.0%	—
2-Apr	10.4	0.48	0.48	—	—	—	—	63	—	—	0.01	<0.01	—	5,200	11.88	5.61	0.001	0.749	0.1%	78%	93%	0.00	0.31	0.0%	58%
3-Apr	10.4	0.40	0.40	0.00	0.00	0.00	0.46	—	—	—	<0.01	<0.01	—	5,200	—	—	0.000	0.749	0.0%	—	—	0.00	0.31	0.0%	—
3-Apr	10.6	0.51	0.51	—	—	—	—	64	—	—	0.04	0.01	—	4,060	9.27	5.71	0.004	0.753	0.4%	79%	94%	0.00	0.31	0.2%	58%
4-Apr	10.6	0.37	0.37	0.00	0.00	2.10	0.44	—	1,200	—	<0.01	<0.01	—	4,060	—	—	0.000	0.753	0.0%	—	—	0.00	0.31	0.0%	—
4-Apr	10.8	0.51	0.51	—	—	—	—	65	—	—	<0.01	<0.01	8.25	4,870	11.12	5.84	0.000	0.753	0.0%	79%	94%	0.00	0.31	0.0%	58%
5-Apr	10.6	0.41	0.41	0.00	0.00	0.00	0.48	—	—	—	<0.01	<0.01	—	4,870	—	—	0.000	0.753	0.0%	—	—	0.00	0.31	0.0%	—
5-Apr	10.8	0.51	0.51	—	—	—	—	66	—	—	<0.01	<0.01	—	5,230	11.95	5.97	0.000	0.753	0.0%	79%	94%	0.00	0.31	0.0%	58%
6-Apr	10.7	0.43	0.43	0.00	0.00	0.00	0.45	—	—	—	<0.01	<0.01	—	5,230	—	—	0.000	0.753	0.0%	—	—	0.00	0.31	0.0%	—
6-Apr	10.8	0.48	0.48	—	—	—	—	67	—	—	0.01	<0.01	—	4,540	10.37	6.09	0.001	0.755	0.1%	79%	94%	0.00	0.31	0.0%	58%
9-Apr	10.4	0.38	0.38	0.00	0.00	1.80	0.45	—	800	—	<0.01	<0.01	—	4,540	—	—	0.000	0.755	0.0%	—	—	0.00	0.31	0.0%	—
9-Apr	10.5	0.46	0.46	—	—	—	—	70	—	—	0.03	<0.01	—	5,090	11.63	6.22	0.004	0.758	0.4%	79%	95%	0.00	0.31	0.0%	58%
10-Apr	10.4	0.27	0.27	0.00	0.00	1.70	0.49	—	—	—	<0.01	<0.01	—	5,090	—	—	0.000	0.758	0.0%	—	—	0.00	0.31	0.0%	—
10-Apr	10.6	0.35	0.35	—	—	—	—	71	—	—	0.01	0.01	—	4,920	11.24	6.34	0.001	0.760	0.1%	79%	95%	0.00	0.31	0.2%	58%
11-Apr	10.5	0.31	0.31	0.00	0.00	1.40	0.53	—	—	—	<0.01	<0.01	—	4,920	—	—	0.000	0.760	0.0%	—	—	0.00	0.31	0.0%	—
11-Apr	10.6	0.51	0.51	—	—	—	—	72	—	—	0.01	<0.01	8.27	4,770	10.90	6.46	0.001	0.761	0.1%	79%	95%	0.00	0.31	0.0%	58%
12-Apr	10.6	0.40	0.40	0.00	0.00	0.00	0.54	—	—	—	<0.01	<0.01	—	4,770	—	—	0.000	0.761	0.0%	—	—	0.00	0.31	0.0%	—
12-Apr	10.7	0.59	0.59	—	—	—	—	73	—	—	0.01	<0.01	—	4,670	10.67	6.58	0.001	0.762	0.1%	80%	95%	0.00	0.31	0.0%	58%
13-Apr	10.5	0.46	0.46	0.00	0.00	0.00	0.51	—	—	—	<0.01	<0.01	—	4,670	—	—	0.000	0.762	0.0%	—	—	0.00	0.31	0.0%	—
13-Apr	10.6	0.36	0.36	—	—	—	—	74	—	—	0.01	<0.01	—	4,300	9.82	6.69	0.001	0.763	0.1%	80%	95%	0.00	0.31	0.0%	58%
16-Apr	10.2	0.26	0.26	0.00	0.00	2.50	0.52	—	1,000	—	<0.01	<0.01	—	4,300	—	—	0.000	0.763	0.0%	—	—	0.00	0.31	0.0%	—
16-Apr	10.2	0.39	0.39	—	—	—	—	77	—	—	0.01	<0.01	—	3,970	9.07	6.79	0.001	0.764	0.1%	80%	95%	0.00	0.31	0.0%	58%
17-Apr	10.2	0.27	0.27	0.00	0.00	2.60	0.60	—	1,300	—	<0.01	<0.01	—	3,970	—	—	0.000	0.764	0.0%	—	—	0.00	0.31	0.0%	—
17-Apr	10.5	0.30	0.30	—	—	—	—	78	—	—	0.02	0.01	—	5,160	11.79	6.93	0.003	0.767	0.3%	80%	96%	0.00	0.31	0.2%	58%
18-Apr	10.4	0.25	0.25	0.00	0.00	1.80	0.65	—	—	—	<0.01	<0.01	—	5,160	—	—	0.000	0.767	0.0%	—	—	0.00	0.31	0.0%	—
18-Apr	10.6	0.46	0.46	—	—	—	—	79	—	—	0.01	<0.01	7.97	5,610	12.81	7.07	0.001	0.768	0.1%	80%	96%	0.00	0.31	0.0%	58%
19-Apr	10.5	0.40	0.40	0.00	0.00	0.00	0.66	—	—	—	<0.01	<0.01	—	5,610	—	—	0.000	0.768	0.0%	—	—	0.00	0.31	0.0%	—
19-Apr	10.7	0.56	0.56	—	—	—	—	80	—	—	<0.01	<0.01	—	4,910	11.22	7.19	0.000	0.768	0.0%	80%	96%	0.00	0.31	0.0%	58%
20-Apr	10.6	0.44	0.44	0.00	0.00	0.00	0.62	—	—	—	<0.01	<0.01	—	4,910	—	—	0.000	0.768	0.0%	—	—	0.00	0.31	0.0%	—
20-Apr	10.7	0.57	0.57	—	—	—	—	81	—	—	0.01	<0.01	—	5,230	11.95	7.33	0.001	0.770	0.1%	80%	96%	0.00	0.31	0.0%	58%
23-Apr	10.4	0.40	0.40	0.00	0.00	0.00	0.60	—	—	—	<0.01	<0.01	—	5,230	—	—	0.000	0.770	0.0%	—	—	0.00	0.31	0.0%	—
23-Apr	10.3	0.40	0.40	—	—	—	—	84	—	—	<0.01	<0.01	—	4,990	11.40	7.45	0.000	0.770	0.0%	80%	96%	0.00	0.31	0.0%	

Project:	Eagle Gold															Head Screen, gms Au/MT:	1.077		gms Ag/MT:	0.56					
Sample Description:	Environmental Composite															Head Assay, gms Au/MT:	1.041		gms Ag/MT:	0.62					
Test No.:	63304															Extracted, gms Au/MT:	0.802		gms Ag/MT:	0.34					
Sample I.D.:	48158															Tail Assay, gms Au/MT:	0.156		gms Ag/MT:	0.20					
Initial Ht., meters:	1.54															Calculated Head, gms Au/MT:	0.957		gms Ag/MT:	0.54					
Crush Size, mm:	9.5															Weight of Sample, kg:	39.24								
Column I.D., meters:	0.152															Column Surface Area, square meters:	0.018								
																Cement Addition, grams:	118.86		kg/MT:	3.03					
																Hydrated Lime Addition, grams:	0.00		kg/MT:	0.00					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mL/s	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
11-May	10.3	0.42	0.42	0.00	0.00	0.00	0.84	102	900	---	<0.01	<0.01	---	5,110	10.12	9.07	0.000	0.777	0.0%	81%	97%	0.00	0.32	0.0%	59%
11-May	10.4	0.66	0.66	---	---	---	---	---	---	---	<0.01	0.01	---	4,430	---	---	0.000	0.777	0.0%	81%	97%	0.00	0.32	0.2%	59%
14-May	10.4	0.40	0.40	0.00	0.00	0.90	0.80	105	---	---	<0.01	<0.01	---	4,430	---	---	0.000	0.777	0.0%	81%	97%	0.00	0.32	0.0%	59%
14-May	10.2	0.50	0.05	---	---	---	---	105	---	---	<0.01	<0.01	---	5,180	11.83	9.21	0.000	0.777	0.0%	81%	97%	0.00	0.32	0.0%	59%
15-May	10.4	0.42	0.42	0.00	0.00	0.00	0.81	---	---	---	<0.01	<0.01	---	5,180	---	---	0.000	0.777	0.0%	81%	97%	0.00	0.32	0.0%	60%
15-May	10.4	0.48	0.48	---	---	---	---	106	---	---	0.02	0.01	---	4,370	9.98	9.32	0.002	0.780	0.2%	81%	97%	0.00	0.32	0.2%	60%
16-May	10.3	0.35	0.35	0.00	0.00	2.00	0.80	---	900	---	<0.01	0.01	---	4,370	---	---	0.000	0.780	0.0%	82%	98%	0.00	0.32	-0.2%	60%
16-May	10.3	0.33	0.33	---	---	---	---	107	---	---	0.02	0.02	9.07	4,670	10.67	9.44	0.002	0.782	0.2%	82%	98%	0.00	0.32	0.4%	60%
17-May	10.3	0.29	0.29	0.00	0.00	1.50	0.87	---	---	---	<0.01	<0.01	---	4,670	---	---	0.000	0.782	0.0%	82%	98%	0.00	0.32	0.0%	60%
17-May	10.2	0.26	0.26	---	---	---	---	108	---	---	<0.01	0.01	---	5,040	11.51	9.56	0.000	0.782	0.0%	82%	98%	0.00	0.32	0.2%	60%
18-May	10.2	0.26	0.26	0.00	0.00	1.70	0.91	---	---	---	<0.01	0.01	---	5,040	---	---	0.000	0.782	0.0%	82%	98%	0.00	0.32	-0.2%	60%
18-May	10.3	0.47	0.47	---	---	---	---	109	---	---	0.02	0.01	---	4,600	10.51	9.68	0.002	0.784	0.2%	82%	98%	0.00	0.32	0.2%	60%
21-May	10.3	0.30	0.30	0.00	0.00	1.40	0.93	---	---	---	<0.01	<0.01	---	4,600	---	---	0.000	0.784	0.0%	82%	98%	0.00	0.32	0.0%	60%
21-May	10.3	0.61	0.61	---	---	---	---	112	---	---	<0.01	<0.01	---	5,060	11.56	9.81	0.000	0.784	0.0%	82%	98%	0.00	0.32	0.0%	60%
22-May	10.3	0.45	0.45	0.00	0.00	0.00	0.92	---	---	---	<0.01	<0.01	---	5,060	---	---	0.000	0.784	0.0%	82%	98%	0.00	0.32	0.0%	60%
22-May	10.3	0.33	0.33	---	---	---	---	113	---	---	0.01	<0.01	---	3,750	8.57	9.91	0.001	0.785	0.1%	82%	98%	0.00	0.32	0.0%	60%
23-May	10.2	0.26	0.26	0.00	0.00	2.80	0.93	---	1,500	---	<0.01	<0.01	---	3,750	---	---	0.000	0.785	0.0%	82%	98%	0.00	0.32	0.0%	60%
23-May	10.3	0.46	0.46	---	---	---	---	114	---	---	<0.01	0.01	9.81	4,800	10.96	10.03	0.000	0.785	0.0%	82%	98%	0.00	0.32	0.2%	60%
24-May	10.3	0.33	0.33	0.00	0.00	1.30	1.00	---	---	---	<0.01	<0.01	---	4,800	---	---	0.000	0.785	0.0%	82%	98%	0.00	0.32	0.0%	60%
24-May	10.3	0.45	0.45	---	---	---	---	115	---	---	0.02	<0.01	---	5,030	11.49	10.16	0.003	0.788	0.3%	82%	98%	0.00	0.32	0.0%	60%
25-May	10.3	0.42	0.42	0.00	0.00	0.00	1.00	---	---	---	<0.01	<0.01	---	5,030	---	---	0.000	0.788	0.0%	82%	98%	0.00	0.32	0.0%	60%
25-May	10.3	0.59	0.59	---	---	---	---	116	---	---	0.01	<0.01	---	4,550	10.39	10.27	0.001	0.789	0.1%	82%	98%	0.00	0.32	0.0%	60%
29-May	10.3	0.36	0.36	0.00	0.00	1.10	0.97	---	---	---	0.01	<0.01	---	4,550	---	---	-0.001	0.788	-0.1%	82%	98%	0.00	0.32	0.0%	60%
29-May	10.3	0.40	0.40	---	---	---	---	120	---	---	0.01	<0.01	---	5,090	11.63	10.40	0.001	0.789	0.1%	82%	98%	0.00	0.32	0.0%	60%
30-May	10.1	0.28	0.28	0.00	0.00	1.60	1.00	---	---	---	<0.01	<0.01	---	5,090	---	---	0.000	0.789	0.0%	83%	99%	0.00	0.32	0.0%	60%
30-May	10.1	0.34	0.34	---	---	---	---	121	---	---	0.02	<0.01	9.88	3,710	8.47	10.50	0.002	0.791	0.2%	83%	99%	0.00	0.32	0.0%	60%
31-May	10.1	0.23	0.23	0.00	0.00	3.00	1.05	---	1,600	---	<0.01	<0.01	---	3,710	---	---	0.000	0.791	0.0%	83%	99%	0.00	0.32	0.0%	60%
31-May	10.2	0.35	0.35	---	---	---	---	122	---	---	<0.01	0.01	---	3,880	8.86	10.60	0.000	0.791	0.0%	83%	99%	0.00	0.32	0.2%	60%
1-Jun	10.1	0.29	0.29	0.00	0.00	1.20	1.13	---	---	---	<0.01	<0.01	---	3,880	---	---	0.000	0.791	0.0%	83%	99%	0.00	0.32	0.0%	60%
1-Jun	10.2	0.42	0.42	---	---	---	---	123	---	---	0.03	<0.01	---	4,810	10.99	10.72	0.004	0.795	0.4%	83%	99%	0.00	0.32	0.0%	60%
4-Jun	10.1	0.20	0.20	0.00	0.00	1.90	1.13	---	---	---	<0.01	<0.01	---	4,810	---	---	0.000	0.795	0.0%	83%	99%	0.00	0.32	0.0%	60%
4-Jun	10.2	0.57	0.57	---	---	---	---	126	---	---	<0.01	0.01	---	4,160	9.50	10.82	0.000	0.795	0.0%	83%	99%	0.00	0.33	0.2%	61%
5-Jun	10.3	0.44	0.44	0.00	0.00	1.10	1.14	---	1,100	---	<0.01	<0.01	---	4,160	---	---	0.000	0.795	0.0%	83%	99%	0.00	0.33	0.0%	61%
5-Jun	10.3	0.40	0.40	---	---	---	---	127	---	---	<0.01	0.01	---	4,490	10.26	10.94	0.000	0.795	0.0%	83%	99%	0.00	0.33	0.2%	61%
6-Jun	10.2	0.27	0.27	0.00	0.00	2.20	1.15	---	700	---	<0.01	<0.01	---	4,490	---	---	0.000	0.795	0.0%	83%	99%	0.00	0.33	0.0%	61%
6-Jun	10.2	0.53	0.53	---	---	---	---	128	---	---	<0.01	<0.01	9.19	4,560	10.42	11.05	0.000	0.795	0.0%	83%	99%	0.00	0.33	0.0%	61%
7-Jun	10.3	0.46	0.46	0.00	0.00	0.70	1.19	---	700	---	<0.01	<0.01	---	4,560	---	---	0.000	0.795	0.0%	83%	99%	0.00	0.33	0.0%	61%
7-Jun	10.2	0.51	0.51	---	---	---	---	129	---	---	0.02	0.01	---	3,490	7.97	11.14	0.002	0.797	0.2%	83%	99%	0.00	0.33	0.2%	61%
8-Jun	10.3	0.42	0.42	0.00	0.00	1.80	1.19	---	1,800	---	<0.01	<0.01	---	3,490	---	---	0.000	0.797	0.0%	84%	100%	0.00	0.33	0.0%	61%
8-Jun	10.2	0.52	0.52	---	---	---	---	130	---	---	0.03	0.01	8.32	6,110	13.96	11.30	0.005	0.801	0.5%	84%	100%	0.00	0.33	0.3%	61%
11-Jun	10.4	0.41	0.41	0.00	0.00	0.00	1.21	---	---	---	<0.01	<0.01	---	6,110	---	---	0.000	0.801	0.0%	84%	100%	0.00	0.33	0.0%	61%
11-Jun	10.3	0.50	0.50	---	---	---	---	133	---	---	0.01	<0.01	---	5,230	11.95	11.43	0.001	0.803	0.1%	84%	100%	0.00	0.33	0.0%	61%
12-Jun	10.3	0.44	0.44	0.00	0.00	0.00	1.18	---	---	---	<0.01	<0.01	---	5,230	---	---	0.000	0.803	0.0%	84%	100%	0.00	0.33	0.0%	61%
12-Jun	10.3	0.36	0.36	---	---	---	---	134	---	---	0.02	0.01	---	5,430	12.40	11.57	0.003	0.805	0.3%	84%	100%	0.00	0.33	0.3%	61%
13-Jun	10.2	0.27	0.27	0.00	0.00	0.00	1.19	---	---	---	<0.01	0.01	---	5,430	---	---	0.000	0.805	0.0%	84%	100%	0.00	0.33	-0.3%	61%
13-Jun	10.3	0.34	0.34	---	---	---	---	135	---	---	<0.01	0.01	8.52	4,920	11.24	11.70	0.000	0.805	0.0%	84%	100%	0.00	0.33	0.2%	61%
14-Jun	10.2	0.24	0.24	0.00	0.00	0.00	1.21	---	---	---	0.01	<0.01	---	4,920	---	---	-0.001	0.804	-0.1%	84%	100%	0.00	0.33	0.0%	61%
14-Jun	10.2	0.28	0.28	---	---	---	---	136	---	---	0.01	<0.01	---	5,120	11.69	11.83	0.001	0.805	0.1%	84%	100%	0.00	0.33	0.0%	61%
15-Jun	10.1	0.26	0.26	0.00	0.00	0.00	1.21	---	---	---	0.01	<0.01	---	5,120	---	---	-0.001	0.804	-0.1%	84%	100%	0.00	0.33	0.0%	61%
15-Jun	10.1	0.25	0.25	---	---	---	---	137	---	---	0.01	0.01	---	4,680	10.69	11									

Project:	Eagle Gold																Head Screen, gms Au/MT: 1.077		gms Ag/MT: 0.56						
Sample Description:	Environmental Composite																Head Assay, gms Au/MT: 1.041		gms Ag/MT: 0.62						
Test No.:	63307																Extracted, gms Au/MT: 0.751		gms Ag/MT: 0.31						
Sample I.D.:	48158																Tail Assay, gms Au/MT: 0.166		gms Ag/MT: 0.17						
Initial Ht., meters:	1.52																Calculated Head, gms Au/MT: 0.916		gms Ag/MT: 0.49						
Crush Size, mm:	9.5																Weight of Sample, kg: 39.28								
Column I.D., meters:	0.152																Column Surface Area, square meters: 0.018								
																	Cement Addition, grams: 118.86		kg/MT: 3.03						
																	Hydrated Lime Addition, grams: 0.00		kg/MT: 0.00						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mLs	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
30-Jan	---	---	---	0.00	0.00	6.85	0.00		6,851	---	---	---	---	---			0.000	0.000	0.0%	0%	0%	0.00	0.00	0.0%	0%
31-Jan	---	---	---	---	---	---	---	0							0.00	0.00	0.000	0.000	0.0%	0%	0%	0.00	0.00	0.0%	0%
31-Jan	---	---	---	0.00	---	5.30	0.17	1	5,300	---	---	---	---	---			0.000	0.000	0.0%	0%	0%	0.00	0.00	0.0%	0%
31-Jan	11.9	0.46	0.46	---	---	---	---	1	---	C-1	1.73	1.01	12.90	4,880	11.15	0.12	0.215	0.215	23.5%	23%	29%	0.13	0.13	25.8%	26%
1-Feb	11.4	0.33	0.33	0.00	0.00	1.30	0.25	---	---	---	<0.01	<0.01	---	4,880	---	---	0.000	0.215	0.0%	---	---	0.00	0.13	0.0%	---
1-Feb	11.8	1.00	1.00	---	---	---	---	2	---	---	0.82	0.40	8.37	5,180	11.83	0.26	0.108	0.323	11.8%	35%	43%	0.05	0.18	10.8%	37%
2-Feb	11.6	0.92	0.92	0.00	0.00	0.00	0.15	---	---	---	<0.01	0.01	---	5,180	---	---	0.000	0.323	0.0%	---	---	0.00	0.18	-0.3%	---
2-Feb	11.8	0.74	0.74	---	---	---	---	3	---	---	0.42	0.18	7.55	4,540	10.37	0.37	0.049	0.372	5.3%	41%	50%	0.02	0.20	4.3%	41%
3-Feb	11.8	0.73	0.73	0.00	0.00	0.80	0.11	---	800	---	0.01	0.02	---	4,540	---	---	-0.001	0.370	-0.1%	---	---	0.00	0.20	-0.5%	---
3-Feb	11.9	0.89	0.89	---	---	---	---	4	---	---	0.38	0.15	---	4,740	10.83	0.49	0.046	0.416	5.0%	45%	55%	0.02	0.21	3.7%	44%
4-Feb	11.8	0.80	0.80	0.00	0.00	0.00	0.14	---	---	---	<0.01	0.02	---	4,740	---	---	0.000	0.416	0.0%	---	---	0.00	0.21	-0.5%	---
4-Feb	11.8	0.83	0.83	---	---	---	---	5	---	---	0.24	0.09	---	5,080	11.60	0.62	0.021	0.447	3.4%	49%	60%	0.01	0.22	2.4%	46%
5-Feb	11.8	0.80	0.80	0.00	0.00	0.00	0.11	---	---	---	<0.01	0.02	---	5,080	---	---	0.000	0.447	0.0%	---	---	0.00	0.22	-0.5%	---
5-Feb	11.8	0.82	0.82	---	---	---	---	6	---	---	0.12	0.05	---	4,800	10.96	0.74	0.015	0.462	1.6%	50%	62%	0.01	0.23	1.3%	46%
6-Feb	11.6	0.70	0.70	0.00	0.00	0.00	0.11	---	---	---	<0.01	0.01	---	4,800	---	---	0.000	0.462	0.0%	---	---	0.00	0.23	-0.3%	---
6-Feb	11.8	0.86	0.86	---	---	---	---	7	---	---	0.13	0.04	---	4,880	11.15	0.87	0.016	0.478	1.8%	52%	64%	0.00	0.23	1.0%	47%
7-Feb	11.5	0.79	0.79	0.00	0.00	0.00	0.11	---	---	XC-1	<0.01	<0.01	---	4,880	---	---	0.000	0.478	0.0%	---	---	0.00	0.23	0.0%	---
7-Feb	11.7	0.79	0.79	---	---	---	---	8	---	C-2	0.12	0.03	---	4,640	10.60	0.99	0.014	0.492	1.5%	54%	66%	0.00	0.23	0.7%	48%
8-Feb	11.0	0.56	0.56	0.00	0.00	0.00	0.10	---	---	---	<0.01	0.01	---	4,640	---	---	0.000	0.492	0.0%	---	---	0.00	0.23	-0.2%	---
8-Feb	11.6	0.74	0.74	---	---	---	---	9	---	---	0.09	0.04	11.40	4,640	10.60	1.10	0.011	0.503	1.2%	55%	67%	0.00	0.24	1.0%	49%
9-Feb	11.2	0.63	0.63	0.00	0.00	0.00	0.11	---	---	---	<0.01	0.01	---	4,640	---	---	0.000	0.503	0.0%	---	---	0.00	0.24	-0.2%	---
9-Feb	11.5	0.64	0.64	---	---	---	---	10	---	---	0.07	0.03	---	4,400	10.05	1.22	0.008	0.511	0.9%	56%	68%	0.00	0.24	0.7%	49%
10-Feb	11.4	0.58	0.58	0.00	0.00	0.00	0.10	---	---	---	<0.01	<0.01	---	4,400	---	---	0.000	0.511	0.0%	---	---	0.00	0.24	0.0%	---
10-Feb	11.7	0.61	0.61	---	---	---	---	11	---	---	0.08	0.02	---	4,460	10.19	1.33	0.009	0.520	1.0%	57%	69%	0.00	0.24	0.5%	50%
13-Feb	11.0	0.43	0.43	0.00	0.00	0.80	0.10	---	800	---	<0.01	<0.01	---	4,460	---	---	0.000	0.520	0.0%	---	---	0.00	0.24	0.0%	---
13-Feb	11.5	0.58	0.58	---	---	---	---	14	---	---	0.05	0.01	---	4,400	10.05	1.44	0.006	0.525	0.6%	57%	70%	0.00	0.24	0.2%	50%
14-Feb	11.1	0.45	0.45	0.00	0.00	0.90	0.12	---	900	---	<0.01	<0.01	---	4,400	---	---	0.000	0.525	0.0%	---	---	0.00	0.24	0.0%	---
14-Feb	11.5	0.49	0.49	---	---	---	---	15	---	---	0.23	0.05	---	4,320	9.87	1.55	0.025	0.551	2.8%	60%	73%	0.01	0.25	1.1%	51%
14-Feb	11.3	0.48	0.48	0.00	0.00	1.00	0.14	---	1,000	---	<0.01	<0.01	---	4,320	---	---	0.000	0.551	0.0%	---	---	0.00	0.25	0.0%	---
15-Feb	11.6	0.60	0.60	---	---	---	---	16	---	---	0.06	0.01	11.10	5,170	11.81	1.68	0.008	0.559	0.9%	61%	74%	0.00	0.25	0.3%	51%
16-Feb	11.2	0.47	0.47	0.00	0.00	0.00	0.14	---	---	---	<0.01	<0.01	---	5,170	---	---	0.000	0.559	0.0%	---	---	0.00	0.25	0.0%	---
16-Feb	11.4	0.63	0.63	---	---	---	---	17	---	---	0.04	0.01	---	5,620	12.84	1.83	0.006	0.564	0.6%	62%	75%	0.00	0.25	0.3%	52%
17-Feb	11.3	0.52	0.52	0.00	0.00	0.00	0.10	---	---	---	<0.01	<0.01	---	5,620	---	---	0.000	0.564	0.0%	---	---	0.00	0.25	0.0%	---
17-Feb	11.6	0.48	0.48	---	---	---	---	18	---	---	0.04	0.01	---	4,650	10.62	1.95	0.005	0.569	0.5%	62%	76%	0.00	0.25	0.2%	52%
21-Feb	11.3	0.33	0.33	0.00	0.00	1.30	0.10	---	---	XC-2	0.03	<0.01	---	4,650	---	---	-0.004	0.566	-0.4%	---	---	0.00	0.25	0.0%	---
21-Feb	10.9	0.51	0.51	---	---	---	---	22	---	C-3	0.06	<0.01	---	5,940	13.57	2.10	0.009	0.575	1.0%	63%	77%	0.00	0.25	0.0%	52%
22-Feb	10.6	0.41	0.41	0.00	0.00	0.00	0.13	---	---	---	<0.01	<0.01	---	5,940	---	---	0.000	0.575	0.0%	---	---	0.00	0.25	0.0%	---
22-Feb	11.3	0.43	0.43	---	---	---	---	23	---	---	0.12	0.03	12.00	3,950	9.02	2.20	0.012	0.587	1.3%	64%	78%	0.00	0.26	0.6%	52%
23-Feb	10.7	0.40	0.40	0.00	0.00	1.30	0.13	---	1,300	---	<0.01	<0.01	---	3,950	---	---	0.000	0.587	0.0%	---	---	0.00	0.26	0.0%	---
23-Feb	11.3	0.54	0.54	---	---	---	---	24	---	---	0.06	<0.01	---	5,530	12.63	2.34	0.008	0.595	0.9%	65%	79%	0.00	0.26	0.0%	52%
24-Feb	10.7	0.53	0.53	0.00	0.00	0.00	0.15	---	---	---	0.02	<0.01	---	5,530	---	---	-0.003	0.592	-0.3%	---	---	0.00	0.26	0.0%	---
24-Feb	11.1	0.42	0.42	---	---	---	---	25	---	---	0.04	<0.01	---	4,970	11.35	2.46	0.005	0.597	0.6%	65%	80%	0.00	0.26	0.0%	52%
27-Feb	10.6	0.31	0.31	0.00	0.00	1.40	0.13	---	---	---	<0.01	<0.01	---	4,970	---	---	0.000	0.597	0.0%	---	---	0.00	0.26	0.0%	---
27-Feb	10.9	0.50	0.50	---	---	---	---	28	---	---	0.02	<0.01	---	5,410	12.36	2.60	0.003	0.600	0.3%	65%	80%	0.00	0.26	0.0%	52%
28-Feb	10.4	0.40	0.40	0.00	0.00	0.00	0.17	---	---	---	<0.01	<0.01	---	5,410	---	---	0.000	0.600	0.0%	---	---	0.00	0.26	0.0%	---
28-Feb	10.9	0.33	0.33	---	---	---	---	29	---	---	0.05	<0.01	---	4,340	9.91	2.71	0.006	0.606	0.6%	66%	81%	0.00	0.26	0.0%	52%
29-Feb	10.5	0.26	0.26	0.00	0.00	2.50	0.17	---	1,000	---	<0.01	<0.01	---	4,340	---	---	0.000	0.606	0.0%	---	---	0.00	0.26	0.0%	---
29-Feb	11.0	0.48	0.48	---	---	---	---	30	---	---	0.03	<0.01	10.00	5,150	11.76	2.84	0.004	0.610	0.4%	67%	81%	0.00	0.26	0.0%	52%
1-Mar	10.9	0.42	0.42	0.00	0.00	0.00	0.23	---	---	---	<0.01	<0.01	---	5,150	---	---	0.000	0.610	0.0%	---	---	0.00	0.26	0.0%	---
1-Mar	11.3	0.36	0.36	---	---	---	---	31	---	---	0.01	0.01	---	5,180	11.83	2.98	0.001	0.611	0.1%	67%	81%	0.00	0.26	0.3%	53%
2-Mar	10.9	0.28	0.28	0.00	0.00	1.70	0.21	---	---	---	<0.01	<0.01	---	5,180	---	---	0.000	0.61							

Project:	Eagle Gold															Head Screen, gms Au/MT:	1.077		gms Ag/MT:	0.56					
Sample Description:	Environmental Composite															Head Assay, gms Au/MT:	1.041		gms Ag/MT:	0.62					
Test No.:	63307															Extracted, gms Au/MT:	0.751		gms Ag/MT:	0.31					
Sample I.D.:	48158															Tail Assay, gms Au/MT:	0.166		gms Ag/MT:	0.17					
Initial Ht., meters:	1.52															Calculated Head, gms Au/MT:	0.916		gms Ag/MT:	0.49					
Crush Size, mm:	9.5															Weight of Sample, kg:	39.28								
Column I.D., meters:	0.152															Column Surface Area, square meters:	0.018								
																	Cement Addition, grams:	118.86	kg/MT:	3.03					
																	Hydrated Line Addition, grams:	0.00	kg/MT:	0.00					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mL	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
20-Mar	10.3	0.55	0.55	—	—	—	—	50	—	—	0.04	0.01	—	4,190	9.57	4.57	0.004	0.657	0.5%	72%	87%	0.00	0.27	0.2%	55%
21-Mar	10.6	0.51	0.51	0.00	0.00	1.10	0.35	51	1,100	—	0.03	0.01	9.41	4,190	9.46	4.68	0.000	0.657	0.3%	72%	88%	0.00	0.27	0.2%	55%
21-Mar	10.8	0.38	0.38	—	—	—	—	—	—	—	<0.01	<0.01	—	4,140	—	—	0.003	0.660	0.0%	—	—	0.00	0.27	0.0%	—
22-Mar	10.6	0.32	0.32	0.00	0.00	1.20	0.37	52	1,200	—	<0.01	<0.01	—	4,140	—	—	0.000	0.660	0.0%	—	—	0.00	0.27	0.0%	—
22-Mar	10.9	0.47	0.47	—	—	—	—	52	—	—	0.01	<0.01	—	5,100	11.65	4.81	0.001	0.661	0.1%	72%	88%	0.00	0.27	0.0%	55%
23-Mar	10.7	0.33	0.33	0.00	0.00	1.40	0.40	53	—	—	<0.01	<0.01	—	5,100	—	—	0.000	0.661	0.0%	—	—	0.00	0.27	0.0%	—
23-Mar	11.0	0.48	0.48	—	—	—	—	53	—	—	0.03	<0.01	—	5,070	11.58	4.94	0.004	0.665	0.4%	73%	89%	0.00	0.27	0.0%	55%
26-Mar	10.4	0.34	0.34	0.00	0.00	1.30	0.40	56	—	—	<0.01	<0.01	—	5,070	—	—	0.000	0.665	0.0%	—	—	0.00	0.27	0.0%	—
26-Mar	10.4	0.46	0.46	—	—	—	—	56	—	—	0.02	<0.01	—	4,970	11.35	5.06	0.003	0.668	0.3%	73%	89%	0.00	0.27	0.0%	55%
27-Mar	10.4	0.35	0.35	0.00	0.00	1.20	0.42	57	—	—	<0.01	<0.01	—	4,970	—	—	0.000	0.668	0.0%	—	—	0.00	0.27	0.0%	—
27-Mar	10.7	0.46	0.46	—	—	—	—	57	900	—	0.04	0.01	—	4,420	10.10	5.17	0.005	0.672	0.5%	73%	90%	0.00	0.27	0.2%	56%
28-Mar	10.3	0.30	0.30	0.00	0.00	2.20	0.44	58	—	—	<0.01	<0.01	—	4,420	—	—	0.000	0.672	0.0%	—	—	0.00	0.27	0.0%	—
28-Mar	10.7	0.59	0.59	—	—	—	—	58	—	—	0.01	0.01	9.28	4,230	9.66	5.28	0.001	0.673	0.1%	73%	90%	0.00	0.27	0.2%	56%
29-Mar	10.6	0.46	0.46	0.00	0.00	1.10	0.48	59	1,100	—	<0.01	<0.01	—	4,230	—	—	0.000	0.673	0.0%	—	—	0.00	0.27	0.0%	—
29-Mar	10.8	0.54	0.54	—	—	—	—	59	—	—	0.01	0.01	—	5,070	11.58	5.41	0.001	0.674	0.1%	74%	90%	0.00	0.27	0.3%	56%
30-Mar	10.6	0.45	0.45	0.00	0.00	0.00	0.47	60	—	—	<0.01	<0.01	—	5,070	—	—	0.000	0.674	0.0%	—	—	0.00	0.27	0.0%	—
30-Mar	10.7	0.69	0.69	—	—	—	—	60	—	—	0.01	<0.01	—	5,040	11.51	5.54	0.001	0.676	0.1%	74%	90%	0.00	0.27	0.0%	56%
2-Apr	10.5	0.45	0.45	0.00	0.00	0.00	0.43	63	—	—	<0.01	<0.01	—	5,040	—	—	0.000	0.676	0.0%	—	—	0.00	0.27	0.0%	—
2-Apr	10.5	0.51	0.51	—	—	—	—	63	—	—	0.01	0.01	—	5,170	11.81	5.67	0.001	0.677	0.1%	74%	90%	0.00	0.27	0.3%	56%
3-Apr	10.5	0.41	0.41	0.00	0.00	0.00	0.42	64	—	—	<0.01	<0.01	—	5,170	—	—	0.000	0.677	0.0%	—	—	0.00	0.27	0.0%	—
3-Apr	10.7	0.40	0.40	—	—	—	—	64	—	—	0.01	0.01	—	4,490	10.26	5.79	0.001	0.678	0.1%	74%	90%	0.00	0.28	0.2%	57%
4-Apr	10.5	0.33	0.33	0.00	0.00	2.00	0.43	65	800	—	<0.01	<0.01	—	4,490	—	—	0.000	0.678	0.0%	—	—	0.00	0.28	0.0%	—
4-Apr	10.8	0.42	0.42	—	—	—	—	65	—	—	<0.01	<0.01	8.93	4,740	10.83	5.91	0.000	0.678	0.0%	74%	90%	0.00	0.28	0.0%	57%
5-Apr	10.5	0.32	0.32	0.00	0.00	1.30	0.49	66	—	—	<0.01	<0.01	—	4,740	—	—	0.000	0.678	0.0%	—	—	0.00	0.28	0.0%	—
5-Apr	10.8	0.40	0.40	—	—	—	—	66	—	—	<0.01	<0.01	—	4,860	11.10	6.03	0.000	0.678	0.0%	74%	90%	0.00	0.28	0.3%	57%
6-Apr	10.5	0.27	0.27	0.00	0.00	1.60	0.51	67	—	—	<0.01	<0.01	—	4,860	—	—	0.000	0.678	0.0%	—	—	0.00	0.28	0.0%	—
6-Apr	10.8	0.53	0.53	—	—	—	—	67	—	—	<0.01	0.01	—	4,800	10.96	6.15	0.000	0.678	0.0%	74%	90%	0.00	0.28	0.3%	57%
9-Apr	10.5	0.46	0.46	0.00	0.00	0.00	0.52	70	—	—	<0.01	<0.01	—	4,800	—	—	0.000	0.678	0.0%	—	—	0.00	0.28	0.0%	—
9-Apr	10.4	0.53	0.53	—	—	—	—	70	—	—	0.01	<0.01	—	4,220	9.64	6.26	0.001	0.679	0.1%	74%	90%	0.00	0.28	0.0%	57%
10-Apr	10.4	0.34	0.34	0.00	0.00	2.20	0.50	71	1,100	—	<0.01	<0.01	—	4,220	—	—	0.000	0.679	0.0%	—	—	0.00	0.28	0.0%	—
10-Apr	10.6	0.52	0.52	—	—	—	—	71	—	—	0.04	0.01	—	4,560	10.42	6.38	0.005	0.684	0.5%	75%	91%	0.00	0.28	0.2%	57%
11-Apr	10.5	0.40	0.40	0.00	0.00	0.00	0.55	72	—	—	<0.01	<0.01	—	4,560	—	—	0.000	0.684	0.0%	—	—	0.00	0.28	0.0%	—
11-Apr	10.6	0.42	0.42	—	—	—	—	72	—	—	0.01	<0.01	8.71	4,760	10.87	6.50	0.001	0.685	0.1%	75%	91%	0.00	0.28	0.0%	57%
12-Apr	10.6	0.40	0.40	0.00	0.00	0.00	0.53	73	—	—	<0.01	<0.01	—	4,760	—	—	0.000	0.685	0.0%	—	—	0.00	0.28	0.0%	—
12-Apr	10.7	0.49	0.49	—	—	—	—	73	—	—	0.03	<0.01	—	4,700	10.74	6.62	0.004	0.689	0.4%	75%	92%	0.00	0.28	0.0%	57%
13-Apr	10.4	0.40	0.40	0.00	0.00	0.00	0.52	74	—	—	<0.01	<0.01	—	4,700	—	—	0.000	0.689	0.0%	—	—	0.00	0.28	0.0%	—
13-Apr	10.5	0.42	0.42	—	—	—	—	74	—	—	0.02	<0.01	—	4,120	9.41	6.72	0.002	0.691	0.2%	75%	92%	0.00	0.28	0.0%	57%
16-Apr	10.2	0.26	0.26	0.00	0.00	2.60	0.52	77	1,200	—	0.02	<0.01	—	4,120	9.62	6.83	0.000	0.691	0.0%	—	—	0.00	0.28	0.0%	—
16-Apr	10.2	0.35	0.35	—	—	—	—	77	—	—	0.02	<0.01	—	4,210	—	—	0.000	0.691	0.0%	—	—	0.00	0.28	0.0%	—
17-Apr	10.2	0.23	0.23	0.00	0.00	2.70	0.60	78	1,100	—	<0.01	<0.01	—	4,210	—	—	0.000	0.693	0.0%	—	—	0.00	0.28	0.0%	—
17-Apr	10.4	0.27	0.27	—	—	—	—	78	—	—	0.01	<0.01	—	5,370	12.27	6.97	0.001	0.694	0.1%	76%	92%	0.00	0.28	0.0%	57%
18-Apr	10.3	0.18	0.18	0.00	0.00	2.30	0.66	79	—	—	<0.01	<0.01	—	5,370	—	—	0.000	0.694	0.0%	—	—	0.00	0.28	0.0%	—
18-Apr	10.6	0.47	0.47	—	—	—	—	79	—	—	<0.01	<0.01	8.64	5,370	12.27	7.10	0.000	0.694	0.0%	76%	92%	0.00	0.28	0.0%	57%
19-Apr	10.5	0.35	0.35	0.00	0.00	1.30	0.68	80	—	—	<0.01	<0.01	—	5,370	—	—	0.000	0.694	0.0%	—	—	0.00	0.28	0.0%	—
19-Apr	10.5	0.26	0.26	—	—	—	—	80	—	—	<0.01	<0.01	—	4,740	10.83	7.22	0.000	0.694	0.0%	76%	92%	0.00	0.28	0.0%	57%
20-Apr	10.5	0.22	0.22	0.00	0.00	1.80	0.70	81	—	—	<0.01	<0.01	—	4,740	—	—	0.000	0.694	0.0%	—	—	0.00	0.28	0.0%	—
20-Apr	10.6	0.51	0.51	—	—	—	—	81	—	—	<0.01	<0.01	—	5,260	12.01	7.36	0.000	0.694	0.0%	76%	92%	0.00	0.28	0.0%	57%
23-Apr	10.																								

Project:	Eagle Gold	Head Screen, gms Au/MT:	1.077	gms Ag/MT:	0.56
Sample Description:	Environmental Composite	Head Assay, gms Au/MT:	1.041	gms Ag/MT:	0.62
Test No.:	63307	Extracted, gms Au/MT:	0.751	gms Ag/MT:	0.31
Sample ID.:	48158	Tail Assay, gms Au/MT:	0.166	gms Ag/MT:	0.17
Initial Ht., meters:	1.52	Calculated Head, gms Au/MT:	0.916	gms Ag/MT:	0.49
Crush Size, mm:	9.5	Weight of Sample, kg:	39.28		
Column I.D., meters:	0.152	Column Surface Area, square meters:	0.018		
		Cement Addition, grams:	118.86	kg/MT:	3.03
		Hydrated Lime Addition, grams:	0.00	kg/MT:	0.00

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mLs	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
11-May	10.2	0.40	0.40	0.00	0.00	0.00	0.91	102	---	---	<0.01	<0.01	---	4,890	---	---	0.000	0.712	0.0%	0.00	95%	0.00	0.28	0.0%	58%
11-May	10.3	0.46	0.46	---	---	---	---	---	---	---	0.02	<0.01	---	4,420	10.10	9.13	0.002	0.714	0.2%	78%	95%	0.00	0.28	0.0%	58%
14-May	10.3	0.27	0.27	0.00	0.00	2.40	0.89	105	900	---	<0.01	<0.01	---	4,420	---	---	0.000	0.714	0.0%	78%	95%	0.00	0.28	0.0%	58%
14-May	10.1	0.38	0.38	---	---	---	---	---	---	---	0.01	<0.01	---	4,550	10.39	9.24	0.001	0.716	0.1%	78%	95%	0.00	0.28	0.0%	58%
15-May	10.2	0.29	0.29	0.00	0.00	1.40	0.96	---	---	---	<0.01	<0.01	---	4,550	---	---	0.000	0.716	0.0%	---	---	0.00	0.28	0.0%	---
15-May	10.3	0.36	0.36	---	---	---	---	106	---	---	0.02	0.01	---	4,690	10.71	9.36	0.002	0.718	0.3%	78%	96%	0.00	0.28	0.2%	58%
16-May	10.2	0.28	0.28	0.00	0.00	1.50	0.98	---	---	---	<0.01	<0.01	---	4,690	---	---	0.000	0.718	0.0%	---	---	0.00	0.28	0.0%	---
16-May	10.3	0.74	0.74	---	---	---	---	107	---	---	0.02	0.01	9.05	3,850	8.79	9.46	0.002	0.720	0.2%	79%	96%	0.00	0.28	0.2%	59%
17-May	10.2	0.37	0.37	0.00	0.00	2.30	0.98	---	1,400	---	0.01	0.01	---	3,850	---	---	<0.01	0.719	-0.1%	---	---	0.00	0.28	-0.2%	---
17-May	10.2	0.43	0.43	---	---	---	---	108	---	---	0.03	0.09	---	4,660	10.64	9.58	0.004	0.723	0.4%	79%	96%	0.01	0.29	2.2%	61%
18-May	10.2	0.35	0.35	0.00	0.00	1.20	1.02	---	---	---	0.01	<0.01	---	4,660	---	---	<0.01	0.721	-0.1%	---	---	0.00	0.29	0.0%	---
18-May	10.2	0.43	0.43	---	---	---	---	109	---	---	0.01	0.02	---	4,890	11.17	9.70	0.001	0.723	0.1%	79%	96%	0.00	0.30	0.5%	61%
21-May	10.3	0.32	0.32	0.00	0.00	1.40	1.03	---	---	---	<0.01	<0.01	---	4,890	---	---	0.000	0.723	0.0%	---	---	0.00	0.30	0.0%	---
21-May	10.2	0.57	0.57	---	---	---	---	112	---	---	0.01	<0.01	---	4,560	10.42	9.82	0.001	0.724	0.1%	79%	96%	0.00	0.30	0.0%	61%
22-May	10.3	0.42	0.42	0.00	0.00	0.00	1.04	---	---	---	<0.01	<0.01	---	4,560	---	---	0.000	0.724	0.0%	---	---	0.00	0.30	0.0%	---
22-May	10.2	0.47	0.47	---	---	---	---	113	---	---	0.02	0.01	---	4,230	9.66	9.93	0.002	0.726	0.2%	79%	97%	0.00	0.30	0.2%	61%
23-May	10.2	0.32	0.32	0.00	0.00	2.20	1.03	---	1,000	---	<0.01	<0.01	---	4,230	---	---	0.000	0.726	0.0%	---	---	0.00	0.30	0.0%	---
23-May	10.2	0.51	0.51	---	---	---	---	114	---	---	0.02	0.01	9.85	4,280	9.78	10.04	0.002	0.728	0.2%	79%	97%	0.00	0.30	0.2%	61%
24-May	10.4	0.40	0.40	0.00	0.00	1.00	1.08	---	1,000	---	<0.01	<0.01	---	4,280	---	---	0.000	0.728	0.0%	---	---	0.00	0.30	0.0%	---
24-May	10.3	0.36	0.36	---	---	---	---	115	---	---	0.01	<0.01	---	4,870	11.12	10.16	0.001	0.729	0.1%	80%	97%	0.00	0.30	0.0%	61%
25-May	10.2	0.27	0.27	0.00	0.00	1.60	1.09	---	---	---	<0.01	<0.01	---	4,870	---	---	0.000	0.729	0.0%	---	---	0.00	0.30	0.0%	---
25-May	10.2	0.59	0.59	---	---	---	---	116	---	---	0.01	<0.01	---	4,230	9.66	10.27	0.001	0.730	0.1%	80%	97%	0.00	0.30	0.0%	61%
29-May	10.2	0.25	0.25	0.00	0.00	2.60	1.11	---	1,100	---	0.01	<0.01	---	4,230	---	---	<0.01	0.729	-0.1%	---	---	0.00	0.30	0.0%	---
29-May	10.2	0.42	0.42	---	---	---	---	120	---	---	0.01	<0.01	---	5,060	11.56	10.40	0.001	0.731	0.1%	80%	97%	0.00	0.30	0.0%	61%
30-May	10.1	0.31	0.31	0.00	0.00	1.50	1.16	---	---	---	<0.01	<0.01	---	5,060	---	---	0.000	0.731	0.0%	---	---	0.00	0.30	0.0%	---
30-May	10.1	0.39	0.39	---	---	---	---	121	---	---	0.02	<0.01	9.40	4,900	11.19	10.52	0.002	0.733	0.3%	80%	98%	0.00	0.30	0.0%	61%
31-May	10.1	0.27	0.27	0.00	0.00	1.60	1.18	---	---	---	<0.01	<0.01	---	4,900	---	---	0.000	0.733	0.0%	---	---	0.00	0.30	0.0%	---
31-May	10.2	0.58	0.58	---	---	---	---	122	---	---	0.01	0.01	---	4,160	9.50	10.63	0.001	0.734	0.1%	80%	98%	0.00	0.30	0.2%	62%
1-Jun	10.3	0.42	0.42	0.00	0.00	0.00	1.19	---	---	---	<0.01	<0.01	---	4,160	---	---	0.000	0.734	0.0%	---	---	0.00	0.30	0.0%	---
1-Jun	10.2	0.58	0.58	---	---	---	---	123	---	---	0.04	0.01	---	5,100	11.65	10.76	0.005	0.739	0.6%	81%	98%	0.00	0.30	0.3%	62%
4-Jun	10.4	0.40	0.40	0.00	0.00	0.00	1.15	---	---	---	<0.01	<0.01	---	5,100	---	---	0.000	0.739	0.0%	---	---	0.00	0.30	0.0%	---
4-Jun	10.1	0.44	0.44	---	---	---	---	126	---	---	0.02	0.01	---	4,420	10.10	10.87	0.002	0.742	0.2%	81%	99%	0.00	0.30	0.2%	62%
5-Jun	10.2	0.25	0.25	0.00	0.00	2.50	1.15	---	900	---	<0.01	<0.01	---	4,420	---	---	0.000	0.742	0.0%	---	---	0.00	0.30	0.0%	---
5-Jun	10.2	0.32	0.32	---	---	---	---	127	---	---	<0.01	<0.01	---	4,690	10.71	10.99	0.000	0.742	0.0%	81%	99%	0.00	0.30	0.0%	62%
6-Jun	10.2	0.26	0.26	0.00	0.00	2.20	1.22	---	600	---	<0.01	<0.01	---	4,690	---	---	0.000	0.742	0.0%	---	---	0.00	0.30	0.0%	---
6-Jun	10.1	0.28	0.28	---	---	---	---	128	---	---	0.01	<0.01	9.43	4,860	11.10	11.11	0.001	0.743	0.1%	81%	99%	0.00	0.30	0.0%	62%
7-Jun	10.2	0.25	0.25	0.00	0.00	1.70	1.27	---	---	---	<0.01	<0.01	---	4,860	---	---	0.000	0.743	0.0%	---	---	0.00	0.30	0.0%	---
7-Jun	10.2	0.46	0.46	---	---	---	---	129	---	---	0.02	0.01	---	4,440	10.14	11.23	0.002	0.745	0.2%	81%	99%	0.00	0.30	0.2%	62%
8-Jun	10.4	0.45	0.45	0.00	0.00	0.00	1.29	---	---	---	0.01	<0.01	---	4,440	---	---	<0.01	0.744	-0.1%	---	---	0.00	0.30	0.0%	---
8-Jun	10.2	0.54	0.54	---	---	---	---	130	---	---	0.02	0.01	8.72	4,760	10.87	11.35	0.002	0.746	0.3%	81%	99%	0.00	0.31	0.2%	63%
11-Jun	10.4	0.38	0.38	0.00	0.00	0.00	1.26	---	500	---	<0.01	<0.01	---	4,760	---	---	0.000	0.746	0.0%	---	---	0.00	0.31	0.0%	---
11-Jun	10.2	0.46	0.46	---	---	---	---	133	---	---	<0.01	<0.01	---	4,440	10.14	11.46	0.000	0.746	0.0%	81%	99%	0.00	0.31	0.0%	63%
12-Jun	10.2	0.38	0.38	0.00	0.00	0.00	1.26	---	900	---	0.02	<0.01	---	4,440	---	---	<0.02	0.744	-0.2%	---	---	0.00	0.31	0.0%	---
12-Jun	10.3	0.38	0.38	---	---	---	---	134	---	---	0.05	0.02	---	4,180	9.55	11.57	0.005	0.750	0.6%	82%	100%	0.00	0.31	0.4%	63%
13-Jun	10.3	0.28	0.28	0.00	0.00	0.00	1.26	---	1,100	---	<0.01	<0.01	---	4,180	---	---	0.000	0.750	0.0%	---	---	0.00	0.31	0.0%	---
13-Jun	10.2	0.28	0.28	---	---	---	---	135	---	---	<0.01	0.01	8.69	5,440	12.43	11.71	0.000	0.750	0.0%	82%	100%	0.00	0.31	0.3%	63%
14-Jun	10.1	0.21	0.21	0.00	0.00	0.00	1.27	---	---	---	<0.01	<0.01	---	5,440	---	---	0.000	0.750	0.0%	---	---	0.00	0.31	0.0%	---
14-Jun	10.1	0.27	0.27	---	---	---	---	136	---	---	0.02	<0.01	---	4,900	11.19	11.83	0.002	0.752	0.3%	82%	100%	0.00	0.31	0.0%	63%
15-Jun	10.0	0.16	0.16	0.00	0.00	0.00	1.26	---	---	---	0.01	<0.01	---	4,900	---	---	<0.01	0.751	-0.1%	---	---	0.00	0.31	0.0%	---
15-Jun	10.0	0.21	0.21	---	---	---	---	137	---	---	0.01	<0.01	---	5,140	11.74	11.96	0.001	0.752	0.1%	82%	100%	0.00	0.31	0.0%	63%
18-Jun	9.9	0.18	0.18	0.00	0.00	0.00	1.26	---	---	---	<0.01	0.01	---	5,140	---	---	0.000	0.752	0.0%	---	---	0.00	0.31	-0.3%	---
18-Jun	10.0	0.19	0.19	---	---	---	---	140	---	---	<0.01	0.01	---	4,880	11.15	12.09	0.000	0.752	0.0%	82%	100%	0.00	0.31	0.3%	63%
19-Jun	10.0	0.12	0.12	0.00	0.00	0.00	1.26	---	---	---	0.01	0.01	---	4,880	---	---	<0.01	0.751	-0.1%	---	---	0.00	0.31	-0.3%	---
19-Jun	10.1	0.12	0.12	---	---	---	---	141	---	---	0.01	0.02	---	4,420	10.10	12.20	0.001	0.752	0.1%	82%	100%	0.00	0.31	0.5%	64%
20-Jun	10.0	0.08	0.08	0.00	0.00	0.00	1.27	---	900	---	<0.01	0.01													

Project:	Eagle Gold																Head Screen, gms Au/MT:	1.077			gms Ag/MT:	0.56			
Sample Description:	Environmental Composite																Head Assay, gms Au/MT:	1.041			gms Ag/MT:	0.62			
Test No.:	63310																Extracted, gms Au/MT:	0.905			gms Ag/MT:	0.43			
Sample I.D.:	48158																Tail Assay, gms Au/MT:	0.164			gms Ag/MT:	0.18			
Initial Ht., meters:	1.56																Calculated Head, gms Au/MT:	1.069			gms Ag/MT:	0.61			
Crush Size, mm:	9.5																Weight of Sample, kg:	39.24							
Column I.D., meters:	0.152																Column Surface Area, square meters:	0.018							
																		Cement Addition, grams:	118.86			kg/MT:	3.03		
																		Hydrated Lime Addition, grams:	0.00			kg/MT:	0.00		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mLs	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
20-Mar	10.4	0.53	0.53	—	—	—	0.36	50	—	—	0.05	0.02	—	4,710	10.76	4.60	0.006	0.778	0.6%	73%	86%	0.00	0.31	0.4%	51%
21-Mar	10.6	0.53	0.53	0.00	0.00	0.00	—	—	—	—	<0.01	<0.01	—	4,710	—	—	0.000	0.778	0.0%	—	—	0.00	0.31	0.0%	—
21-Mar	10.9	0.48	0.48	—	—	—	0.36	51	—	—	0.02	0.01	9.17	4,720	10.78	4.72	0.002	0.781	0.2%	73%	86%	0.00	0.31	0.2%	51%
22-Mar	10.6	0.37	0.37	0.00	0.00	1.10	0.34	—	—	—	<0.01	<0.01	—	4,720	—	—	0.000	0.781	0.0%	—	—	0.00	0.31	0.0%	—
22-Mar	10.9	0.39	0.39	—	—	—	—	52	—	—	0.04	0.08	—	4,950	11.31	4.85	0.005	0.786	0.5%	74%	87%	0.01	0.32	1.7%	53%
23-Mar	10.7	0.35	0.35	0.00	0.00	1.20	0.38	—	—	—	<0.01	<0.01	—	4,950	—	—	0.000	0.786	0.0%	—	—	0.00	0.32	0.0%	—
23-Mar	10.9	0.49	0.49	—	—	—	—	53	—	—	0.02	0.01	—	4,610	10.53	4.96	0.002	0.788	0.2%	74%	87%	0.00	0.32	0.2%	53%
26-Mar	10.3	0.33	0.33	0.00	0.00	1.20	0.39	—	—	—	<0.01	<0.01	—	4,610	—	—	0.000	0.788	0.0%	—	—	0.00	0.32	0.0%	—
26-Mar	10.6	0.54	0.54	—	—	—	—	56	—	—	<0.01	<0.01	—	4,840	11.06	5.09	0.000	0.788	0.0%	74%	87%	0.00	0.32	0.0%	53%
27-Mar	10.5	0.42	0.42	0.00	0.00	0.00	0.40	—	—	—	<0.01	0.01	—	4,840	—	—	0.000	0.788	0.0%	—	—	0.00	0.32	-0.2%	—
27-Mar	10.6	0.50	0.50	—	—	—	—	57	—	—	<0.01	0.02	—	4,020	9.18	5.19	0.000	0.788	0.0%	74%	87%	0.00	0.32	0.3%	53%
28-Mar	10.5	0.40	0.40	0.00	0.00	1.30	0.39	—	1,300	—	<0.01	<0.01	—	4,020	—	—	0.000	0.788	0.0%	—	—	0.00	0.32	0.0%	—
28-Mar	10.7	0.47	0.47	—	—	—	—	58	—	—	0.03	0.02	11.60	4,230	9.66	5.30	0.003	0.791	0.3%	74%	87%	0.00	0.33	0.4%	54%
29-Mar	10.6	0.36	0.36	0.00	0.00	2.10	0.42	—	1,100	—	<0.01	<0.01	—	4,230	—	—	0.000	0.791	0.0%	—	—	0.00	0.33	0.0%	—
29-Mar	10.8	0.38	0.38	—	—	—	—	59	—	—	0.03	0.01	—	5,270	12.04	5.43	0.004	0.795	0.4%	74%	88%	0.00	0.33	0.2%	54%
30-Mar	10.6	0.28	0.28	0.00	0.00	1.70	0.46	—	—	—	<0.01	<0.01	—	5,270	—	—	0.000	0.795	0.0%	—	—	0.00	0.33	0.0%	—
30-Mar	10.7	0.63	0.63	—	—	—	—	60	—	—	0.02	0.01	—	4,830	11.03	5.55	0.002	0.798	0.2%	75%	88%	0.00	0.33	0.2%	54%
2-Apr	10.4	0.42	0.42	0.00	0.00	0.00	0.47	—	—	—	<0.01	<0.01	—	4,830	—	—	0.000	0.798	0.0%	—	—	0.00	0.33	0.0%	—
2-Apr	10.5	0.46	0.46	—	—	—	—	63	—	—	<0.01	0.01	—	5,380	12.29	5.69	0.000	0.798	0.0%	75%	88%	0.00	0.33	0.2%	54%
3-Apr	10.4	0.35	0.35	0.00	0.00	1.40	0.44	—	—	—	<0.01	<0.01	—	5,380	—	—	0.000	0.798	0.0%	—	—	0.00	0.33	0.0%	—
3-Apr	10.6	0.51	0.51	—	—	—	—	64	—	—	0.04	0.02	—	4,260	9.73	5.80	0.004	0.802	0.4%	75%	89%	0.00	0.33	0.4%	55%
4-Apr	10.5	0.40	0.40	0.00	0.00	1.90	0.47	—	1,000	—	<0.01	<0.01	—	4,260	—	—	0.000	0.802	0.0%	—	—	0.00	0.33	0.0%	—
4-Apr	10.8	0.40	0.40	—	—	—	—	65	—	—	0.04	<0.01	9.73	5,040	11.51	5.93	0.005	0.807	0.5%	76%	89%	0.00	0.33	0.0%	55%
5-Apr	10.5	0.32	0.32	0.00	0.00	1.40	0.52	—	—	—	<0.01	<0.01	—	5,040	—	—	0.000	0.807	0.0%	—	—	0.00	0.33	0.0%	—
5-Apr	10.8	0.51	0.51	—	—	—	—	66	—	—	<0.01	0.01	—	4,720	10.78	6.05	0.000	0.807	0.0%	76%	89%	0.00	0.33	0.2%	55%
6-Apr	10.6	0.40	0.40	0.00	0.00	0.00	0.54	—	—	—	<0.01	<0.01	—	4,720	—	—	0.000	0.807	0.0%	—	—	0.00	0.33	0.0%	—
6-Apr	10.8	0.59	0.59	—	—	—	—	67	—	—	<0.01	0.01	—	4,990	11.40	6.18	0.000	0.807	0.0%	76%	89%	0.00	0.33	0.2%	55%
9-Apr	10.4	0.48	0.48	0.00	0.00	0.00	0.50	—	—	—	<0.01	<0.01	—	4,990	—	—	0.000	0.807	0.0%	—	—	0.00	0.33	0.0%	—
9-Apr	10.3	0.64	0.64	—	—	—	—	70	—	—	0.02	0.01	—	4,760	10.87	6.30	0.002	0.810	0.2%	76%	90%	0.00	0.34	0.2%	55%
10-Apr	10.3	0.42	0.42	0.00	0.00	0.00	0.47	—	—	—	<0.01	<0.01	—	4,760	—	—	0.000	0.810	0.0%	—	—	0.00	0.34	0.0%	—
10-Apr	10.5	0.42	0.42	—	—	—	—	71	—	—	0.04	0.01	—	4,400	10.05	6.41	0.004	0.814	0.4%	76%	90%	0.00	0.34	0.2%	55%
11-Apr	10.4	0.31	0.31	0.00	0.00	2.20	0.48	—	900	—	<0.01	<0.01	—	4,400	—	—	0.000	0.814	0.0%	—	—	0.00	0.34	0.0%	—
11-Apr	10.6	0.41	0.41	—	—	—	—	72	—	—	0.01	<0.01	11.30	4,410	10.07	6.52	0.001	0.815	0.1%	76%	90%	0.00	0.34	0.0%	55%
12-Apr	10.5	0.40	0.40	0.00	0.00	0.90	0.54	—	900	—	<0.01	<0.01	—	4,410	—	—	0.000	0.815	0.0%	—	—	0.00	0.34	0.0%	—
12-Apr	10.7	0.36	0.36	—	—	—	—	73	—	—	0.01	0.03	—	5,340	12.20	6.66	0.001	0.817	0.1%	76%	90%	0.00	0.34	0.7%	56%
13-Apr	10.4	0.30	0.30	0.00	0.00	1.60	0.55	—	—	—	<0.01	<0.01	—	5,340	—	—	0.000	0.817	0.0%	—	—	0.00	0.34	0.0%	—
13-Apr	10.7	0.70	0.70	—	—	—	—	74	—	—	0.01	<0.01	—	4,720	10.78	6.78	0.001	0.818	0.1%	77%	90%	0.00	0.34	0.0%	56%
14-Apr	10.4	0.48	0.48	0.00	0.00	0.00	0.55	—	—	—	<0.01	<0.01	—	4,720	—	—	0.000	0.818	0.0%	—	—	0.00	0.34	0.0%	—
16-Apr	10.3	0.41	0.41	—	—	—	—	77	—	—	0.02	0.01	—	5,060	11.56	6.91	0.003	0.821	0.2%	77%	91%	0.00	0.34	0.2%	56%
17-Apr	10.2	0.32	0.32	0.00	0.00	1.40	0.54	—	—	—	<0.01	<0.01	—	5,060	—	—	0.000	0.821	0.0%	—	—	0.00	0.34	0.0%	—
17-Apr	10.5	0.62	0.62	—	—	—	—	78	—	—	0.04	0.01	—	4,640	10.60	7.02	0.005	0.825	0.4%	77%	91%	0.00	0.34	0.2%	57%
18-Apr	10.5	0.43	0.43	0.00	0.00	0.00	0.56	—	—	—	<0.01	<0.01	—	4,640	—	—	0.000	0.825	0.0%	—	—	0.00	0.34	0.0%	—
18-Apr	10.6	0.84	0.84	—	—	—	—	79	—	—	0.01	0.01	11.90	4,400	10.05	7.14	0.001	0.826	0.1%	77%	91%	0.00	0.34	0.2%	57%
19-Apr	10.6	0.58	0.58	0.00	0.00	0.90	0.51	—	900	—	<0.01	<0.01	—	4,400	—	—	0.000	0.826	0.0%	—	—	0.00	0.34	0.0%	—
19-Apr	10.6	0.59	0.59	—	—	—	—	80	—	—	<0.01	0.01	—	4,640	10.60	7.26	0.000	0.826	0.0%	77%	91%	0.00	0.35	0.2%	57%
20-Apr	10.6	0.46	0.46	0.00	0.00	0.00	0.51	—	—	—	<0.01	<0.01	—	4,640	—	—	0.000	0.826	0.0%	—	—	0.00	0.35	0.0%	—
20-Apr	10.7	0.51	0.51	—	—	—	—	81	—	—	<0.01	<0.01	—	4,980	11.38	7.38	0.000	0.826	0.0%	77%	91%	0.00	0.35	0.2%	57%
23-Apr	10.4	0.																							

Project:	Eagle Gold															Head Screen, gms Au/MT:	1.077					gms Ag/MT:	0.56		
Sample Description:	Environmental Composite															Head Assay, gms Au/MT:	1.041					gms Ag/MT:	0.62		
Test No.:	63310															Extracted, gms Au/MT:	0.905					gms Ag/MT:	0.43		
Sample I.D.:	48158															Tail Assay, gms Au/MT:	0.164					gms Ag/MT:	0.18		
Initial Ht., meters:	1.56															Calculated Head, gms Au/MT:	1.069					gms Ag/MT:	0.61		
Crush Size, mm:	9.5															Weight of Sample, kg:	39.24								
Column I.D., meters:	0.152															Column Surface Area, square meters:	0.018								
																Cement Addition, grams:	118.86					kg/MT:	3.03		
																Hydrated Lime Addition, grams:	0.00					kg/MT:	0.00		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mL/s	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
11-May	10.2	0.40	0.40	0.00	0.00	0.00	0.69				<0.01	<0.01		4,920			0.000	0.860	0.0%			0.00	0.37	0.0%	
11-May	10.3	0.58	0.58					102			0.01	0.01		4,850	11.08	9.18	0.001	0.861	0.1%	81%	95%	0.00	0.37	0.2%	61%
14-May	10.3	0.40	0.40	0.00	0.00	0.00	0.67				<0.01	<0.01		4,850			0.000	0.861	0.0%			0.00	0.37	0.0%	
14-May	10.1	0.36	0.36					105			0.02	0.01		4,900	11.19	9.30	0.002	0.863	0.2%	81%	95%	0.00	0.37	0.2%	61%
15-May	10.2	0.26	0.26	0.00	0.00	1.70	0.68				<0.01	<0.01		4,900			0.000	0.863	0.0%			0.00	0.37	0.0%	
15-May	10.3	0.30	0.30					106			0.04	0.01		4,110	9.39	9.41	0.004	0.868	0.4%	81%	96%	0.00	0.37	0.2%	61%
16-May	10.2	0.27	0.27	0.00	0.00	2.60	0.74		1,200		<0.01	<0.01		4,110			0.000	0.868	0.0%			0.00	0.37	0.0%	
16-May	10.3	0.52	0.52					107			<0.01	0.02	13.20	4,750	10.85	9.53	0.000	0.868	0.0%	81%	96%	0.00	0.37	0.4%	61%
17-May	10.2	0.40	0.40	0.00	0.00	0.00	0.78				<0.01	<0.01		4,750			0.000	0.868	0.0%			0.00	0.37	0.0%	
17-May	10.2	0.61	0.61					108			0.03	0.02		4,860	11.10	9.65	0.004	0.871	0.3%	82%	96%	0.00	0.37	0.4%	62%
18-May	10.3	0.47	0.47	0.00	0.00	0.00	0.73				<0.01	0.01		4,860			0.000	0.871	0.0%			0.00	0.37	0.0%	
18-May	10.2	0.29	0.29					109			0.01	0.02		4,500	10.28	9.77	0.001	0.872	0.1%	82%	96%	0.00	0.38	0.4%	62%
21-May	10.2	0.17	0.17	0.00	0.00	2.70	0.74		800		<0.01	<0.01		4,500			0.000	0.872	0.0%			0.00	0.38	0.0%	
21-May	10.1	0.35	0.35					112			0.01	0.02		4,720	10.78	9.89	0.001	0.874	0.1%	82%	97%	0.00	0.38	0.4%	62%
22-May	10.2	0.23	0.23	0.00	0.00	1.80	0.83				<0.01	<0.01		4,720			0.000	0.874	0.0%			0.00	0.38	0.0%	
22-May	10.2	0.30	0.30					113			0.02	0.01		4,730	10.80	10.01	0.002	0.876	0.2%	82%	97%	0.00	0.38	0.2%	63%
23-May	10.1	0.21	0.21	0.00	0.00	1.20	0.86		500		<0.01	<0.01		4,730			0.000	0.876	0.0%			0.00	0.38	0.0%	
23-May	10.2	0.58	0.58					114			0.03	<0.01	10.30	4,420	10.10	10.12	0.003	0.879	0.3%	82%	97%	0.00	0.38	0.0%	63%
24-May	10.3	0.46	0.46	0.00	0.00	0.90	0.85		900		<0.01	<0.01		4,420			0.000	0.879	0.0%			0.00	0.38	0.0%	
24-May	10.3	0.47	0.47					115			0.02	0.01		4,600	10.51	10.24	0.002	0.882	0.2%	83%	97%	0.00	0.38	0.2%	63%
25-May	10.2	0.40	0.40	0.00	0.00	0.00	0.84				<0.01	<0.01		4,600			0.000	0.882	0.0%			0.00	0.38	0.0%	
25-May	10.2	0.40	0.40					116			<0.01	0.01		5,260	12.01	10.37	0.000	0.882	0.0%	83%	97%	0.00	0.38	0.2%	63%
29-May	10.1	0.18	0.18	0.00	0.00	2.20	0.84				<0.01	<0.01		5,260			0.000	0.882	0.0%			0.00	0.38	0.0%	
29-May	10.2	0.27	0.27					120			<0.01	0.01		3,860	8.82	10.47	0.000	0.882	0.0%	83%	97%	0.00	0.38	0.2%	63%
30-May	10.0	0.21	0.21	0.00	0.00	2.90	0.91		1,400		<0.01	<0.01		3,860			0.000	0.882	0.0%			0.00	0.38	0.0%	
30-May	10.1	0.32	0.32					121			<0.01	0.01	12.20	5,170	11.81	10.60	0.000	0.882	0.0%	83%	97%	0.00	0.38	0.2%	63%
31-May	10.1	0.25	0.25	0.00	0.00	1.80	0.97				<0.01	<0.01		5,170			0.000	0.882	0.0%			0.00	0.38	0.0%	
31-May	10.2	0.41	0.41					122			<0.01	0.01		4,740	10.83	10.72	0.000	0.882	0.0%	83%	97%	0.00	0.39	0.2%	64%
1-Jun	10.2	0.31	0.31	0.00	0.00	1.40	0.99				<0.01	<0.01		4,740			0.000	0.882	0.0%			0.00	0.39	0.0%	
1-Jun	10.1	0.48	0.48					123			0.01	<0.01		4,970	11.35	10.85	0.001	0.883	0.1%	83%	98%	0.00	0.39	0.0%	64%
4-Jun	10.2	0.30	0.30	0.00	0.00	1.50	0.99				<0.01	<0.01		4,970			0.000	0.883	0.0%			0.00	0.39	0.0%	
4-Jun	10.1	0.49	0.49					126			0.03	0.01		5,120	11.69	10.98	0.004	0.887	0.4%	83%	98%	0.00	0.39	0.2%	64%
5-Jun	10.2	0.40	0.40	0.00	0.00	0.00	1.00				<0.01	<0.01		5,120			0.000	0.887	0.0%			0.00	0.39	0.0%	
5-Jun	10.2	0.57	0.57					127			0.04	0.02		4,720	10.78	11.10	0.005	0.892	0.5%	83%	99%	0.00	0.39	0.4%	64%
6-Jun	10.2	0.41	0.41	0.00	0.00	0.60	0.97		600		<0.01	<0.01		4,720			0.000	0.892	0.0%			0.00	0.39	0.0%	
6-Jun	10.1	0.38	0.38					128			0.01	0.01	12.20	4,670	10.67	11.22	0.001	0.893	0.1%	84%	99%	0.00	0.39	0.2%	64%
7-Jun	10.2	0.33	0.33	0.00	0.00	1.90	0.99		900		<0.01	<0.01		4,670			0.000	0.893	0.0%			0.00	0.39	0.0%	
7-Jun	10.1	0.37	0.37					129			<0.01	0.02		4,460	10.19	11.33	0.000	0.893	0.0%	84%	99%	0.00	0.39	0.4%	65%
8-Jun	10.2	0.32	0.32	0.00	0.00	1.30	1.05				0.01	0.01		4,460			<0.01	0.892	-0.1%			0.00	0.39	-0.2%	
8-Jun	10.1	0.36	0.36					130			0.01	0.20	11.60	5,110	11.67	11.46	0.001	0.893	0.1%	84%	99%	0.03	0.42	4.3%	69%
11-Jun	10.2	0.24	0.24	0.00	0.00	0.00	1.07				<0.01	<0.01		5,110			0.000	0.893	0.0%			0.00	0.42	0.0%	
11-Jun	10.1	0.48	0.48					133			<0.01	<0.01		4,620	10.55	11.58	0.000	0.893	0.0%	84%	99%	0.00	0.42	0.0%	69%
12-Jun	10.2	0.31	0.31	0.00	0.00	0.00	1.05		700		<0.01	0.01		4,620			0.000	0.893	0.0%			0.00	0.42	-0.2%	
12-Jun	10.2	0.31	0.31					134			0.02	0.03		3,830	8.75	11.68	0.002	0.895	0.2%	84%	99%	0.00	0.42	0.5%	69%
13-Jun	10.2	0.27	0.27	0.00	0.00	0.00	1.05		1,500		<0.01	0.01		3,830			0.000	0.895	0.0%			0.00	0.42	-0.2%	
13-Jun	10.2	0.29	0.29					135			<0.01	0.01	16.60	5,690	13.00	11.83	0.000	0.895	0.0%	84%	99%	0.00	0.42	0.2%	69%
14-Jun	10.0	0.18	0.18	0.00	0.00	0.00	1.05				<0.01	<0.01		5,690			0.000	0.895	0.0%			0.00	0.42	0.0%	
14-Jun	10.0	0.20	0.20					136			0.02	0.01		4,900	11.19	11.95	0.002	0.898	0.2%	84%	99%	0.00	0.42	0.2%	69%
15-Jun	10.0	0.19	0.19	0.00	0.00	0.00	1.05				0.01	<0.01		4,900			<0.01	0.896	-0.1%			0.00	0.42	0.0%	
15-Jun	10.1	0.16	0.16					137			0.02	0.01		4,810	10.99	12.07	0.002	0.899	0.2%	84%	99%	0.00	0.42	0.2%	70%
18-Jun	9.7	0.14	0.14	0.00	0.00	0.00	1.06				<0.01	0.01		4,810			0.000	0.899	0.0%			0.00	0.42	-0.2%	
18-Jun	9.9	0.17	0.17					140			0.01	0.02		5,590	12.77	12.22	0.001	0.900	0.1%	84%	99%	0.00	0.42	0.5%	70%
19-Jun	9.8	0.09	0.09	0.00	0.00	0.00	1.05				<0.01	0.01		5,590			0.000	0.900	0.0%			0.00	0.42	-0.2%	
19-Jun	10.0	0.10	0.10					141			0.02	0.02		3,960	9.05	12.32	0.002	0.902	0.2%	84%	100%	0.00	0.42	0.3%	70%
20-Jun	9.8	0.06	0.06	0.00	0.00	0.00	1.06																		

Project:	Eagle Gold															Head Screen, gms Au/MT:		1.077	gms Ag/MT:		0.56				
Sample Description:	Environmental Composite															Head Assay, gms Au/MT:		1.041	gms Ag/MT:		0.62				
Test No.:	63313															Extracted, gms Au/MT:		0.813	gms Ag/MT:		0.32				
Sample I.D.:	48158															Tail Assay, gms Au/MT:		0.172	gms Ag/MT:		0.21				
Initial Ht., meters:	1.54															Calculated Head, gms Au/MT:		0.985	gms Ag/MT:		0.53				
Crush Size, mm:	9.5															Weight of Sample, kg:		39.20							
Column I.D., meters:	0.152															Column Surface Area, square meters:		0.018							
																Cement Addition, grams:		118.86	kg/MT:		3.03				
																Hydrated Lime Addition, grams:		0.00	kg/MT:		0.00				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mL	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
20-Mar	10.4	0.31	0.31	—	—	—	—	50	—	—	0.04	0.01	—	4,360	9.96	4.58	0.004	0.718	0.5%	73%	88%	0.00	0.30	0.0%	56%
21-Mar	10.5	0.25	0.25	0.00	0.00	2.40	0.44	—	900	—	<0.01	<0.01	—	4,360	—	—	0.000	0.718	0.0%	—	—	0.00	0.30	0.0%	—
21-Mar	10.8	0.51	0.51	—	—	—	—	51	—	—	0.02	<0.01	8.27	4,620	10.55	4.70	0.002	0.720	0.2%	73%	89%	0.00	0.30	0.0%	56%
22-Mar	10.6	0.31	0.31	0.00	0.00	1.30	0.48	—	—	—	<0.01	<0.01	—	4,620	—	—	0.000	0.720	0.0%	—	—	0.00	0.30	0.0%	—
22-Mar	10.9	0.51	0.51	—	—	—	—	52	—	—	0.03	<0.01	—	5,060	11.56	4.82	0.004	0.724	0.4%	73%	89%	0.00	0.30	0.0%	56%
23-Mar	10.7	0.46	0.46	0.00	0.00	0.00	0.47	—	—	—	<0.01	<0.01	—	5,060	—	—	0.000	0.724	0.0%	—	—	0.00	0.30	0.0%	—
23-Mar	10.9	0.47	0.47	—	—	—	—	53	—	—	0.01	<0.01	—	4,540	10.37	4.94	0.001	0.725	0.1%	74%	89%	0.00	0.30	0.0%	56%
26-Mar	10.4	0.30	0.30	0.00	0.00	2.20	0.45	—	800	—	<0.01	<0.01	—	4,540	—	—	0.000	0.725	0.0%	—	—	0.00	0.30	0.0%	—
26-Mar	10.5	0.47	0.47	—	—	—	—	56	—	—	<0.01	<0.01	—	4,900	11.19	5.07	0.000	0.725	0.0%	74%	89%	0.00	0.30	0.0%	56%
27-Mar	10.4	0.41	0.41	0.00	0.00	0.00	0.51	—	—	—	<0.01	<0.01	—	4,900	—	—	0.000	0.725	0.0%	—	—	0.00	0.30	0.0%	—
27-Mar	10.6	0.34	0.34	—	—	—	—	57	—	—	0.03	0.01	—	4,350	9.94	5.18	0.003	0.729	0.3%	74%	90%	0.00	0.30	0.2%	56%
28-Mar	10.5	0.32	0.32	0.00	0.00	2.20	0.50	—	1,000	—	<0.01	<0.01	—	4,350	—	—	0.000	0.729	0.0%	—	—	0.00	0.30	0.0%	—
28-Mar	10.6	0.53	0.53	—	—	—	—	58	—	—	0.01	0.01	8.55	4,860	11.10	5.30	0.001	0.730	0.1%	74%	90%	0.00	0.30	0.2%	56%
29-Mar	10.6	0.45	0.45	0.00	0.00	0.00	0.55	—	—	—	<0.01	<0.01	—	4,860	—	—	0.000	0.730	0.0%	—	—	0.00	0.30	0.0%	—
29-Mar	10.8	0.48	0.48	—	—	—	—	59	—	—	0.02	0.01	—	5,010	11.44	5.43	0.003	0.733	0.3%	74%	90%	0.00	0.30	0.2%	57%
30-Mar	10.6	0.40	0.40	0.00	0.00	0.00	0.52	—	—	—	<0.01	<0.01	—	5,010	—	—	0.000	0.733	0.0%	—	—	0.00	0.30	0.0%	—
30-Mar	10.7	0.58	0.58	—	—	—	—	60	—	—	0.01	<0.01	—	4,630	10.58	5.55	0.001	0.734	0.1%	74%	90%	0.00	0.30	0.0%	57%
2-Apr	10.4	0.41	0.41	0.00	0.00	0.00	0.51	—	—	—	<0.01	<0.01	—	4,630	—	—	0.000	0.734	0.0%	—	—	0.00	0.30	0.0%	—
2-Apr	10.3	0.47	0.47	—	—	—	—	63	—	—	0.01	0.01	—	4,460	10.19	5.66	0.001	0.735	0.1%	75%	90%	0.00	0.30	0.2%	57%
3-Apr	10.2	0.32	0.32	0.00	0.00	1.40	0.50	—	—	—	<0.01	<0.01	—	4,460	—	—	0.000	0.735	0.0%	—	—	0.00	0.30	0.0%	—
3-Apr	10.4	0.35	0.35	—	—	—	—	64	—	—	<0.01	<0.01	—	4,940	9.23	5.76	0.000	0.735	0.0%	75%	90%	0.00	0.30	0.0%	57%
4-Apr	10.5	0.25	0.25	0.00	0.00	2.70	0.55	—	1,300	—	<0.01	<0.01	—	4,940	—	—	0.000	0.735	0.0%	—	—	0.00	0.30	0.0%	—
4-Apr	10.7	0.41	0.41	—	—	—	—	65	—	—	0.02	<0.01	8.83	4,660	10.64	5.88	0.002	0.737	0.2%	75%	91%	0.00	0.30	0.0%	57%
5-Apr	10.5	0.31	0.31	0.00	0.00	1.40	0.61	—	—	—	<0.01	<0.01	—	4,660	—	—	0.000	0.737	0.0%	—	—	0.00	0.30	0.0%	—
5-Apr	10.7	0.49	0.49	—	—	—	—	66	—	—	<0.01	<0.01	—	4,920	11.24	6.01	0.000	0.737	0.0%	75%	91%	0.00	0.30	0.0%	57%
6-Apr	10.5	0.42	0.42	0.00	0.00	0.00	0.61	—	—	—	<0.01	<0.01	—	4,920	—	—	0.000	0.737	0.0%	—	—	0.00	0.30	0.0%	—
6-Apr	10.7	0.63	0.63	—	—	—	—	67	—	—	<0.01	<0.01	—	4,300	9.82	6.12	0.000	0.737	0.0%	75%	91%	0.00	0.30	0.0%	57%
9-Apr	10.4	0.50	0.50	0.00	0.00	1.00	0.57	—	1,000	—	<0.01	<0.01	—	4,300	—	—	0.000	0.737	0.0%	—	—	0.00	0.30	0.0%	—
9-Apr	10.4	0.57	0.57	—	—	—	—	70	—	—	0.01	<0.01	—	5,010	11.44	6.24	0.001	0.739	0.1%	75%	91%	0.00	0.30	0.0%	57%
10-Apr	10.3	0.42	0.42	0.00	0.00	0.00	0.58	—	—	—	<0.01	<0.01	—	5,010	—	—	0.000	0.739	0.0%	—	—	0.00	0.30	0.0%	—
10-Apr	10.4	0.46	0.46	—	—	—	—	71	—	—	<0.01	0.01	—	4,500	10.28	6.36	0.000	0.739	0.0%	75%	91%	0.00	0.30	0.2%	57%
11-Apr	10.4	0.35	0.35	0.00	0.00	1.20	0.58	—	—	—	<0.01	<0.01	—	4,500	—	—	0.000	0.739	0.0%	—	—	0.00	0.30	0.0%	—
11-Apr	10.5	0.44	0.44	—	—	—	—	72	—	—	<0.01	<0.01	8.65	4,660	10.64	6.48	0.000	0.739	0.0%	75%	91%	0.00	0.30	0.0%	57%
12-Apr	10.6	0.40	0.40	0.00	0.00	0.00	0.61	—	—	—	<0.01	<0.01	—	4,660	—	—	0.000	0.739	0.0%	—	—	0.00	0.30	0.0%	—
12-Apr	10.6	0.53	0.53	—	—	—	—	73	—	—	0.02	<0.01	—	4,230	9.66	6.59	0.002	0.741	0.2%	75%	91%	0.00	0.30	0.0%	57%
13-Apr	10.4	0.40	0.40	0.00	0.00	0.00	0.59	—	—	—	<0.01	<0.01	—	4,230	—	—	0.000	0.741	0.0%	—	—	0.00	0.30	0.0%	—
13-Apr	10.5	0.38	0.38	—	—	—	—	74	—	—	0.01	<0.01	—	4,410	10.07	6.70	0.001	0.742	0.1%	75%	91%	0.00	0.30	0.0%	57%
16-Apr	10.3	0.27	0.27	0.00	0.00	2.40	0.60	—	900	—	<0.01	<0.01	—	4,410	—	—	0.000	0.742	0.0%	—	—	0.00	0.30	0.0%	—
16-Apr	10.2	0.33	0.33	—	—	—	—	77	—	—	<0.01	<0.01	—	4,080	9.32	6.80	0.000	0.742	0.0%	75%	91%	0.00	0.30	0.0%	57%
17-Apr	10.2	0.25	0.25	0.00	0.00	2.60	0.67	—	1,200	—	<0.01	<0.01	—	4,080	—	—	0.000	0.742	0.0%	—	—	0.00	0.30	0.0%	—
17-Apr	10.4	0.30	0.30	—	—	—	—	78	—	—	0.03	0.01	—	4,300	9.82	6.91	0.003	0.745	0.3%	76%	92%	0.00	0.30	0.2%	57%
18-Apr	10.3	0.24	0.24	0.00	0.00	2.60	0.73	—	1,000	—	<0.01	<0.01	—	4,300	—	—	0.000	0.745	0.0%	—	—	0.00	0.30	0.0%	—
18-Apr	10.6	0.71	0.71	—	—	—	—	79	—	—	<0.01	0.01	8.31	5,250	11.99	7.05	0.000	0.745	0.0%	76%	92%	0.00	0.30	0.3%	58%
19-Apr	10.6	0.55	0.55	0.00	0.00	0.00	0.73	—	—	—	<0.01	<0.01	—	5,250	—	—	0.000	0.745	0.0%	—	—	0.00	0.30	0.0%	—
19-Apr	10.6	0.63	0.63	—	—	—	—	80	—	—	0.01	<0.01	—	5,000	11.42	7.17	0.001	0.746	0.1%	76%	92%	0.00	0.30	0.0%	58%
20-Apr	10.7	0.50	0.50	0.00	0.00	0.00	0.67	—	—	—	<0.01	<0.01	—	5,000	—	—	0.000	0.746	0.0%	—	—	0.00	0.30	0.0%	—
20-Apr	10.7	0.45	0.45	—	—	—	—	81	—	—	<0.01	<0.01	—	5,050	11.54	7.30	0.000	0.746	0.0%	76%	92%	0.00	0.30	0.0%	58%
23-Apr	10.3	0.28	0.28	0.00	0.00	1.60	0.69	—	—	—	<0.01	<0.01	—	5,050	—	—	0.000	0.746	0.0%	—	—	0.00	0.30	0.0%	—</

Project:	Eagle Gold																	Head Screen, gms Au/MT:	1.077	gms Ag/MT:		0.56			
Sample Description:	Environmental Composite																	Head Assay, gms Au/MT:	1.041	gms Ag/MT:		0.62			
Test No.:	63313																	Extracted, gms Au/MT:	0.813	gms Ag/MT:		0.32			
Sample I.D.:	48158																	Tail Assay, gms Au/MT:	0.172	gms Ag/MT:		0.21			
Initial Ht., meters:	1.54																	Calculated Head, gms Au/MT:	0.985	gms Ag/MT:		0.53			
Crush Size, mm:	9.5																	Weight of Sample, kg:	39.20						
Column I.D., meters:	0.152																	Column Surface Area, square meters:	0.018						
																			Cement Addition, grams:	118.86	kg/MT:		3.03		
																			Hydrated Lime Addition, grams:	0.00	kg/MT:		0.00		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mLs	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
11-May	10.3	0.43	0.43	0.00	0.00	0.00	0.95		—	—	<0.01	<0.01	—	4,790			0.000	0.776	0.0%			0.00	0.31	0.0%	
11-May	10.3	0.46	0.46					102			0.02	<0.01		4,490	10.26	9.07	0.002	0.778	0.2%	79%	96%	0.00	0.31	0.0%	58%
14-May	10.3	0.24	0.24	0.00	0.00	2.40	0.94		800		<0.01	<0.01		4,490			0.000	0.778	0.0%			0.00	0.31	0.0%	
14-May	10.2	0.38	0.38					105			<0.01	<0.01		5,000	11.42	9.20	0.000	0.778	0.0%	79%	96%	0.00	0.31	0.0%	58%
15-May	10.2	0.30	0.30	0.00	0.00	1.50	1.00				<0.01	<0.01		5,000			0.000	0.778	0.0%			0.00	0.31	0.0%	
15-May	10.3	0.30	0.30					106			0.03	0.01		4,510	10.30	9.31	0.003	0.781	0.4%	79%	96%	0.00	0.31	0.2%	58%
16-May	10.2	0.26	0.26	0.00	0.00	2.30	1.03		800		<0.01	<0.01		4,510			0.000	0.781	0.0%			0.00	0.31	0.0%	
16-May	10.2	0.57	0.57					107			0.01	0.01	8.36	4,650	10.62	9.43	0.001	0.783	0.1%	79%	96%	0.00	0.31	0.2%	59%
17-May	10.4	0.40	0.40	0.00	0.00	0.00	1.06				<0.01	0.01		4,650			0.000	0.783	0.0%			0.00	0.31	-0.2%	
17-May	10.2	0.55	0.55					108			0.01	0.01		4,920	11.24	9.55	0.001	0.784	0.1%	80%	96%	0.00	0.31	0.2%	59%
18-May	10.4	0.44	0.44	0.00	0.00	0.00	1.02				0.01	0.02		4,920			-0.001	0.783	-0.1%			0.00	0.31	-0.5%	
18-May	10.2	0.40	0.40					109			0.02	0.02		4,500	10.28	9.67	0.002	0.785	0.2%	80%	96%	0.00	0.31	0.4%	59%
21-May	10.2	0.24	0.24	0.00	0.00	2.40	1.02		800		<0.01	<0.01		4,500			0.000	0.785	0.0%			0.00	0.31	0.0%	59%
21-May	10.1	0.31	0.31					112			<0.01	<0.01		5,030	11.49	9.80	0.000	0.785	0.0%	80%	96%	0.00	0.31	0.0%	59%
22-May	10.2	0.22	0.22	0.00	0.00	1.90	1.10				<0.01	<0.01		5,030			0.000	0.785	0.0%			0.00	0.31	0.0%	
22-May	10.3	0.47	0.47					113			0.01	<0.01		4,350	9.94	9.91	0.001	0.786	0.1%	80%	97%	0.00	0.31	0.0%	59%
23-May	10.3	0.35	0.35	0.00	0.00	2.00	1.12		900		<0.01	<0.01		4,350			0.000	0.786	0.0%			0.00	0.31	0.0%	
23-May	10.2	0.39	0.39					114			0.02	<0.01	8.40	4,000	9.14	10.01	0.002	0.788	0.2%	80%	97%	0.00	0.31	0.0%	59%
24-May	10.4	0.29	0.29	0.00	0.00	2.50	1.16		1,300		<0.01	<0.01		4,000			0.000	0.788	0.0%			0.00	0.31	0.0%	
24-May	10.3	0.43	0.43					115			<0.01	<0.01		5,620	12.84	10.15	0.000	0.788	0.0%	80%	97%	0.00	0.31	0.0%	59%
25-May	10.3	0.40	0.40	0.00	0.00	0.00	1.20				<0.01	<0.01		5,620			0.000	0.788	0.0%			0.00	0.31	0.0%	
25-May	10.3	0.58	0.58					116			0.01	<0.01		5,020	11.47	10.28	0.001	0.789	0.1%	80%	97%	0.00	0.31	0.0%	59%
29-May	10.2	0.26	0.26	0.00	0.00	1.70	1.15				<0.01	<0.01		5,020			0.000	0.789	0.0%			0.00	0.31	0.0%	
29-May	10.2	0.40	0.40					120			0.10	<0.01		5,710	13.04	10.43	0.015	0.804	1.5%	82%	99%	0.00	0.31	0.0%	59%
30-May	10.2	0.40	0.40	0.00	0.00	0.00	1.20				<0.01	<0.01		5,710			0.000	0.804	0.0%			0.00	0.31	0.0%	
30-May	10.2	0.34	0.34					121			<0.01	<0.01	9.05	4,020	9.18	10.53	0.000	0.804	0.0%	82%	99%	0.00	0.31	0.0%	59%
31-May	10.1	0.28	0.28	0.00	0.00	2.60	1.19		1,300		<0.01	<0.01		4,020			0.000	0.804	0.0%			0.00	0.31	0.0%	
31-May	10.2	0.47	0.47					122			<0.01	0.01		5,200	11.88	10.66	0.000	0.804	0.0%	82%	99%	0.00	0.31	0.3%	59%
1-Jun	10.2	0.40	0.40	0.00	0.00	0.00	1.26				<0.01	<0.01		5,200			0.000	0.804	0.0%			0.00	0.31	0.0%	
1-Jun	10.2	0.37	0.37					123			0.01	<0.01		5,130	11.72	10.79	0.001	0.805	0.1%	82%	99%	0.00	0.31	0.0%	59%
4-Jun	10.1	0.24	0.24	0.00	0.00	1.90	1.24				<0.01	<0.01		5,130			0.000	0.805	0.0%			0.00	0.31	0.0%	
4-Jun	10.2	0.40	0.40					126			0.03	0.01		4,810	10.99	10.92	0.004	0.809	0.4%	82%	99%	0.00	0.31	0.2%	59%
5-Jun	10.3	0.28	0.28	0.00	0.00	1.50	1.29				0.02	<0.01		4,810			-0.002	0.806	-0.2%			0.00	0.31	0.0%	
5-Jun	10.2	0.42	0.42					127			<0.01	<0.01		4,840	11.06	11.04	0.000	0.806	0.0%	82%	99%	0.00	0.31	0.0%	59%
6-Jun	10.2	0.33	0.33	0.00	0.00	1.30	1.30				<0.01	<0.01		4,840			0.000	0.806	0.0%			0.00	0.31	0.0%	
6-Jun	10.1	0.33	0.33					128			0.01	<0.01	8.30	4,960	11.33	11.17	0.001	0.808	0.1%	82%	99%	0.00	0.31	0.0%	59%
7-Jun	10.2	0.28	0.28	0.00	0.00	1.60	1.33				<0.01	<0.01		4,960			0.000	0.808	0.0%			0.00	0.31	0.0%	
7-Jun	10.2	0.47	0.47					129			<0.01	0.01		3,640	8.31	11.26	0.000	0.808	0.0%	82%	99%	0.00	0.31	0.2%	59%
8-Jun	10.3	0.36	0.36	0.00	0.00	2.60	1.37		1,700		<0.01	<0.01		3,640			0.000	0.808	0.0%			0.00	0.31	0.0%	
8-Jun	10.2	0.48	0.48					130			0.02	0.01	8.88	5,060	11.56	11.39	0.003	0.810	0.3%	82%	100%	0.00	0.31	0.2%	59%
11-Jun	10.4	0.30	0.30	0.00	0.00	0.00	1.41				<0.01	<0.01		5,060			0.000	0.810	0.0%			0.00	0.31	0.0%	
11-Jun	10.2	0.59	0.59					133			<0.01	0.01		5,450	12.45	11.53	0.000	0.810	0.0%	82%	100%	0.00	0.32	0.3%	60%
12-Jun	10.4	0.47	0.47	0.00	0.00	0.00	1.36				<0.01	0.01		5,450			0.000	0.810	0.0%			0.00	0.31	-0.3%	
12-Jun	10.3	0.30	0.30					134			0.03	0.01		4,110	9.39	11.63	0.003	0.813	0.3%	83%	100%	0.00	0.31	0.2%	60%
13-Jun	10.2	0.26	0.26	0.00	0.00	0.00	1.36		1,200		<0.01	<0.01		4,110			0.000	0.813	0.0%			0.00	0.31	0.0%	
13-Jun	10.2	0.28	0.28					135			0.02	0.01	9.28	4,900	11.19	11.76	0.003	0.816	0.3%	83%	100%	0.00	0.32	0.2%	60%
14-Jun	10.1	0.22	0.22	0.00	0.00	0.00	1.39				0.02	<0.01		4,900			-0.003	0.813	-0.3%			0.00	0.32	0.0%	
14-Jun	10.1	0.25	0.25	0.00	0.00	0.00	1.36				0.01	<0.01		5,150	11.76	11.89	0.001	0.815	0.1%	83%	100%	0.00	0.32	0.0%	60%
15-Jun	10.1	0.18	0.18	0.00	0.00	0.00	1.39				<0.01	<0.01		5,150			0.000	0.815	0.0%			0.00	0.32	0.0%	
15-Jun	10.0	0.19	0.19					137			<0.01	0.01		4,920	11.24	12.01	0.000	0.815	0.0%	83%	100%	0.00	0.32	0.2%	60%
18-Jun	9.9	0.10	0.10	0.00	0.00	0.00	1.39				<0.01	0.01		4,920			0.000	0.815	0.0%			0.00	0.32	-0.2%	
18-Jun	10.0	0.16	0.16					140			<0.01	0.01		5,070	11.58	12.14	0.000	0.815	0.0%	83%	100%	0.00	0.32	0.2%	60%
19-Jun	9.9	0.11	0.11	0.00	0.00	0.00	1.39				<0.01	0.01													

Project:	Eagle Gold															Head Screen, gms Au/MT:	1.077			gms Ag/MT:	0.56				
Sample Description:	Environmental Composite															Head Assay, gms Au/MT:	1.041			gms Ag/MT:	0.62				
Test No.:	63316															Extracted, gms Au/MT:	0.731			gms Ag/MT:	0.30				
Sample I.D.:	48158															Tail Assay, gms Au/MT:	0.165			gms Ag/MT:	0.19				
Initial Ht., meters:	1.52															Calculated Head, gms Au/MT:	0.896			gms Ag/MT:	0.49				
Crush Size, mm:	9.5															Est. Weight of Sample, kg:	39.28								
Column I.D., meters:	0.152															Column Surface Area, square meters:	0.018								
														Cement Addition, grams:	118.86			kg/MT:	3.03						
														Hydrated Lime Addition, grams:	0.00			kg/MT:	0.00						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mLs	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
30-Jan	---	---	---	0.00	0.00	6.88	0.00	0	6,884	---	---	---	---	---	0.00	0.00	0.00	0.00	0.0%	0%	0%	0.00	0.00	0.0%	0%
30-Jan	---	---	---	---	---	---	---	1	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.0%	0%	0%	0.00	0.00	0.0%	0%
31-Jan	---	---	---	0.00	0.00	5.30	0.18	---	5,300	---	---	---	---	---	0.00	0.00	0.00	0.00	0.0%	0%	0%	0.00	0.00	0.0%	0%
31-Jan	11.9	0.63	0.63	---	---	---	---	1	---	C-1	1.63	1.00	10.90	4,580	10.46	0.12	0.190	0.190	21.2%	21%	26%	0.12	0.12	23.9%	24%
1-Feb	11.4	0.50	0.50	0.00	0.00	0.00	0.24	---	---	---	0.01	<0.01	---	4,580	---	---	-0.001	0.189	-0.1%	---	0.00	0.00	0.12	0.0%	---
1-Feb	11.8	0.68	0.68	---	---	---	---	2	---	---	0.75	0.37	7.83	5,420	12.38	0.25	0.103	0.292	11.5%	33%	40%	0.05	0.17	10.4%	34%
2-Feb	11.6	0.54	0.54	0.00	0.00	0.00	0.14	---	---	---	<0.01	0.01	---	5,420	---	---	0.000	0.292	0.0%	---	0.00	0.00	0.17	-0.3%	---
2-Feb	11.5	1.05	1.05	---	---	---	---	3	---	---	0.56	0.23	7.80	4,180	9.55	0.36	0.060	0.352	6.6%	39%	48%	0.02	0.19	5.0%	39%
3-Feb	11.5	1.05	1.05	0.00	0.00	1.10	0.09	---	1,100	---	0.01	0.01	---	4,180	---	---	-0.001	0.351	-0.1%	---	0.00	0.00	0.19	-0.2%	---
3-Feb	12.0	0.65	0.65	---	---	---	---	4	---	---	0.33	0.13	---	4,880	11.15	0.49	0.041	0.392	4.6%	44%	54%	0.02	0.21	3.3%	42%
4-Feb	11.7	0.58	0.58	0.00	0.00	0.00	0.11	---	---	---	<0.01	0.02	---	4,880	---	---	0.000	0.392	0.0%	---	0.00	0.00	0.20	-0.5%	---
4-Feb	11.9	0.98	0.98	---	---	---	---	5	---	---	0.24	0.08	---	4,900	11.19	0.61	0.020	0.422	3.3%	47%	58%	0.01	0.21	2.0%	44%
5-Feb	11.8	0.65	0.65	0.00	0.00	0.00	0.10	---	---	---	<0.01	0.02	---	4,900	---	---	0.000	0.422	0.0%	---	0.00	0.00	0.21	-0.5%	---
5-Feb	11.9	0.71	0.71	---	---	---	---	6	---	---	0.10	0.05	---	5,460	12.47	0.75	0.014	0.436	1.6%	49%	60%	0.01	0.22	1.4%	45%
6-Feb	11.6	0.68	0.68	0.00	0.00	0.00	0.07	---	---	---	<0.01	<0.01	---	5,460	---	---	0.000	0.436	0.0%	---	0.00	0.00	0.22	0.0%	---
6-Feb	11.7	0.68	0.68	---	---	---	---	7	---	---	0.15	0.05	---	4,320	9.87	0.86	0.016	0.452	1.8%	50%	62%	0.01	0.22	1.1%	46%
7-Feb	11.3	0.60	0.60	0.00	0.00	1.00	0.07	---	1,000	XC-1	<0.01	<0.01	---	4,320	---	---	0.000	0.452	0.0%	---	0.00	0.00	0.22	0.0%	---
7-Feb	11.6	0.64	0.64	---	---	---	---	8	---	C-2	0.13	0.03	---	5,380	12.29	1.00	0.018	0.470	2.0%	52%	64%	0.00	0.23	0.8%	47%
8-Feb	11.3	0.57	0.57	0.00	0.00	0.00	0.10	---	---	---	<0.01	0.01	---	5,380	---	---	0.000	0.470	0.0%	---	0.00	0.00	0.23	-0.3%	---
8-Feb	11.7	0.68	0.68	---	---	---	---	9	---	---	0.07	0.04	8.57	5,540	12.65	1.14	0.010	0.480	1.1%	54%	66%	0.01	0.23	1.2%	47%
9-Feb	11.2	0.56	0.56	0.00	0.00	0.00	0.07	---	---	---	<0.01	<0.01	---	5,540	---	---	0.000	0.480	0.0%	---	0.00	0.00	0.23	0.0%	---
9-Feb	11.5	0.60	0.60	---	---	---	---	10	---	---	0.08	0.03	---	5,000	11.42	1.26	0.010	0.490	1.1%	55%	67%	0.00	0.24	0.0%	48%
10-Feb	11.3	0.50	0.50	0.00	0.00	0.00	0.07	---	---	---	<0.01	<0.01	---	5,000	---	---	0.000	0.490	0.0%	---	0.00	0.00	0.24	0.0%	---
10-Feb	11.5	0.60	0.60	---	---	---	---	11	---	---	0.07	0.01	---	5,460	12.47	1.40	0.010	0.500	1.1%	56%	68%	0.00	0.24	0.3%	48%
13-Feb	10.8	0.42	0.42	0.00	0.00	0.00	0.07	---	---	---	<0.01	<0.01	---	5,460	---	---	0.000	0.500	0.0%	---	0.00	0.00	0.24	0.0%	---
13-Feb	11.4	0.54	0.54	---	---	---	---	14	---	---	0.06	0.01	---	4,820	11.01	1.53	0.007	0.507	0.8%	57%	69%	0.00	0.24	0.3%	49%
14-Feb	10.9	0.44	0.44	0.00	0.00	0.00	0.07	---	---	---	<0.01	<0.01	---	4,820	---	---	0.000	0.507	0.0%	---	0.00	0.00	0.24	0.0%	---
14-Feb	11.4	0.46	0.46	---	---	---	---	15	---	---	0.12	0.02	---	5,060	11.56	1.65	0.015	0.523	1.7%	58%	71%	0.00	0.24	0.5%	49%
15-Feb	11.1	0.40	0.40	0.00	0.00	0.00	0.06	---	---	---	<0.01	<0.01	---	5,060	---	---	0.000	0.523	0.0%	---	0.00	0.00	0.24	0.0%	---
15-Feb	11.4	0.47	0.47	---	---	---	---	16	---	---	0.04	0.01	9.82	4,500	10.28	1.77	0.005	0.527	0.5%	59%	72%	0.00	0.24	0.2%	49%
16-Feb	10.7	0.40	0.40	0.00	0.00	0.80	0.06	---	800	---	0.01	<0.01	---	4,500	---	---	-0.001	0.526	-0.1%	---	0.00	0.00	0.24	0.0%	---
16-Feb	11.2	0.42	0.42	---	---	---	---	17	---	---	0.06	0.01	---	4,650	10.62	1.89	0.007	0.533	0.8%	59%	73%	0.00	0.24	0.2%	50%
17-Feb	11.2	0.40	0.40	0.00	0.00	0.00	0.08	---	---	---	<0.01	<0.01	---	4,650	---	---	0.000	0.533	0.0%	---	0.00	0.00	0.24	0.0%	---
17-Feb	11.4	0.47	0.47	---	---	---	---	18	---	---	0.04	0.01	---	4,740	10.83	2.01	0.005	0.538	0.5%	60%	74%	0.00	0.24	0.2%	50%
21-Feb	10.3	0.35	0.35	0.00	0.00	1.20	0.07	---	---	XC-2	0.03	<0.01	---	4,740	---	---	-0.004	0.534	-0.4%	---	0.00	0.00	0.24	0.0%	---
21-Feb	10.2	0.37	0.37	---	---	---	---	22	---	C-3	0.05	<0.01	---	4,960	11.33	2.13	0.006	0.541	0.7%	60%	74%	0.00	0.24	0.0%	50%
22-Feb	10.2	0.21	0.21	0.00	0.00	1.90	0.10	---	---	---	<0.01	<0.01	---	4,960	---	---	0.000	0.541	0.0%	---	0.00	0.00	0.24	0.0%	---
22-Feb	11.2	0.49	0.49	---	---	---	---	23	---	---	0.08	0.02	12.00	4,200	9.59	2.24	0.009	0.549	1.0%	61%	75%	0.00	0.25	0.4%	50%
23-Feb	10.5	0.40	0.40	0.00	0.00	1.10	0.14	---	1,100	---	<0.01	<0.01	---	4,200	---	---	0.000	0.549	0.0%	---	0.00	0.00	0.25	0.0%	---
23-Feb	11.0	0.45	0.45	---	---	---	---	24	---	---	0.06	0.01	---	4,450	10.16	2.35	0.007	0.556	0.8%	62%	76%	0.00	0.25	0.2%	51%
24-Feb	10.6	0.45	0.45	0.00	0.00	0.00	0.14	---	---	---	<0.01	<0.01	---	4,450	---	---	0.000	0.556	0.0%	---	0.00	0.00	0.25	0.0%	---
24-Feb	10.8	0.46	0.46	---	---	---	---	25	---	---	0.06	<0.01	---	5,070	11.58	2.48	0.008	0.564	0.9%	63%	77%	0.00	0.25	0.0%	51%
27-Feb	10.4	0.30	0.30	0.00	0.00	1.50	0.13	---	---	---	<0.01	<0.01	---	5,070	---	---	0.000	0.564	0.0%	---	0.00	0.00	0.25	0.0%	---
27-Feb	10.7	0.39	0.39	---	---	---	---	28	---	---	0.04	<0.01	---	4,370	9.98	2.60	0.004	0.568	0.5%	63%	78%	0.00	0.25	0.0%	51%
28-Feb	10.2	0.40	0.40	0.00	0.00	0.90	0.17	---	900	---	<0.01	<0.01	---	4,370	---	---	0.000	0.568	0.0%	---	0.00	0.00	0.25	0.0%	---
28-Feb	10.8	0.38	0.38	---	---	---	---	29	---	---	0.06	0.01	---	4,420	10.10	2.71	0.007	0.575	0.8%	64%	79%	0.00	0.25	0.2%	51%
29-Feb	10.5	0.36	0.36	0.00	0.00	2.00	0.19	---	900	---	<0.01	<0.01	---	4,420	---	---	0.000	0.575	0.0%	---	0.00	0.00	0.25	0.0%	---
29-Feb	10.9	0.50	0.50	---	---	---	---	30	---	---	0.04	<0.01	10.20	4,940	11.28	2.83	0.005	0.580	0.6%	65%	79%	0.00	0.25	0.0%	51%
1-Mar	10.9	0.41	0.41	0.00	0.00	0.00	0.22	---	---	---	<0.01	<0.01	---	4,940	---	---	0.000	0.580	0.0%	---	0.00	0.00	0.25	0.0%	---
1-Mar	11.0	0.55	0.55	---	---	---	---	31	---	---	0.03	0.01	---	5,170	11.81	2.97	0.004	0.584	0.4%	65%	80%	0.00			

Project:	Eagle Gold																Head Screen, gms Au/MT:		1.077			gms Ag/MT:		0.56	
Sample Description:	Environmental Composite																Head Assay, gms Au/MT:		1.041			gms Ag/MT:		0.62	
Test No.:	63316																Extracted, gms Au/MT:		0.731			gms Ag/MT:		0.30	
Sample I.D.:	48158																Tail Assay, gms Au/MT:		0.165			gms Ag/MT:		0.19	
Initial Ht., meters:	1.52																Calculated Head, gms Au/MT:		0.896			gms Ag/MT:		0.49	
Crush Size, mm:	9.5																Est. Weight of Sample, kg:		39.28						
Column I.D., meters:	0.152																Column Surface Area, square meters:		0.018						
																	Cement Addition, grams:		118.86			kg/MT:		3.03	
																	Hydrated Lime Addition, grams:		0.00			kg/MT:		0.00	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mLs	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
11-May	10.3	0.41	0.41	0.00	0.00	0.00	0.90		—	—	<0.01	<0.01	—	4,320			0.000	0.700	0.0%			0.00	0.28	0.0%	
11-May	10.3	0.43	0.43					102	—	—	<0.01	<0.01	—	5,130	11.72	9.12	0.000	0.700	0.0%	78%	96%	0.00	0.28	0.0%	58%
14-May	10.3	0.26	0.26	0.00	0.00	1.70	0.91		—	—	<0.01	<0.01	—	5,130			0.000	0.700	0.0%			0.00	0.28	0.0%	
14-May	10.2	0.33	0.33					105	—	—	0.01	<0.01	—	4,550	10.39	9.24	0.001	0.701	0.1%	78%	96%	0.00	0.28	0.0%	58%
15-May	10.2	0.30	0.30	0.00	0.00	1.40	0.96		—	—	<0.01	<0.01	—	4,550			0.000	0.701	0.0%			0.00	0.28	0.0%	
15-May	10.3	0.46	0.46					106	—	—	0.04	<0.01	—	4,390	10.03	9.35	0.004	0.705	0.5%	79%	96%	0.00	0.28	0.0%	58%
16-May	10.2	0.32	0.32	0.00	0.00	2.10	0.97		900	—	<0.01	<0.01	—	4,390			0.000	0.705	0.0%			0.00	0.28	0.0%	
16-May	10.2	0.53	0.53					107	—	—	0.01	0.01	9.04	4,290	9.80	9.46	0.001	0.706	0.1%	79%	97%	0.00	0.28	0.2%	58%
17-May	10.3	0.36	0.36	0.00	0.00	2.00	1.00		1,000	—	<0.01	<0.01	—	4,290			0.000	0.706	0.0%			0.00	0.28	0.0%	
17-May	10.3	0.46	0.46					108	—	—	0.01	0.01	—	4,850	11.08	9.58	0.001	0.708	0.1%	79%	97%	0.00	0.28	0.3%	58%
18-May	10.3	0.37	0.37	0.00	0.00	1.10	1.03			—	<0.01	0.01	—	4,850			0.000	0.708	0.0%			0.00	0.28	0.0%	
18-May	10.2	0.57	0.57					109	—	—	0.01	0.01	—	4,940	11.28	9.71	0.001	0.709	0.1%	79%	97%	0.00	0.28	0.3%	58%
21-May	10.4	0.37	0.37	0.00	0.00	1.10	1.03			—	<0.01	<0.01	—	4,940			0.000	0.709	0.0%			0.00	0.28	0.0%	
21-May	10.2	0.34	0.34					112	—	—	<0.01	<0.01	—	4,820	11.01	9.83	0.000	0.709	0.0%	79%	97%	0.00	0.28	0.0%	58%
22-May	10.2	0.26	0.26	0.00	0.00	1.60	1.06			—	0.01	<0.01	—	4,820			-0.001	0.708	-0.1%			0.00	0.28	0.0%	
22-May	10.3	0.53	0.53					113	—	—	0.03	0.01	—	4,200	9.59	9.94	0.003	0.711	0.4%	79%	97%	0.00	0.28	0.2%	58%
23-May	10.3	0.36	0.36	0.00	0.00	2.00	1.09		1,000	—	<0.01	<0.01	—	4,200			0.000	0.711	0.0%			0.00	0.28	0.0%	
23-May	10.2	0.45	0.45					114	—	—	<0.01	<0.01	9.15	4,260	9.73	10.05	0.000	0.711	0.0%	79%	97%	0.00	0.28	0.0%	58%
24-May	10.3	0.36	0.36	0.00	0.00	2.00	1.12		1,000	—	<0.01	<0.01	—	4,260			0.000	0.711	0.0%			0.00	0.28	0.0%	
24-May	10.3	0.48	0.48					115	—	—	<0.01	<0.01	—	5,040	11.51	10.18	0.000	0.711	0.0%	79%	97%	0.00	0.28	0.0%	58%
25-May	10.3	0.41	0.41	0.00	0.00	0.00	1.15			—	<0.01	<0.01	—	5,040			0.000	0.711	0.0%			0.00	0.28	0.0%	
25-May	10.3	0.57	0.57					116	—	—	<0.01	<0.01	—	5,030	11.49	10.30	0.000	0.711	0.0%	79%	97%	0.00	0.28	0.0%	58%
29-May	10.2	0.34	0.34	0.00	0.00	1.30	1.11			—	<0.01	<0.01	—	5,030			0.000	0.711	0.0%			0.00	0.28	0.0%	
29-May	10.3	0.43	0.43					120	—	—	<0.01	<0.01	—	5,070	11.58	10.43	0.000	0.711	0.0%	79%	97%	0.00	0.28	0.0%	58%
30-May	10.1	0.36	0.36	0.00	0.00	1.20	1.14			—	<0.01	<0.01	—	5,070			0.000	0.711	0.0%			0.00	0.28	0.0%	
30-May	10.2	0.43	0.43					121	—	—	0.02	<0.01	9.14	4,120	9.41	10.54	0.002	0.713	0.2%	80%	97%	0.00	0.28	0.0%	58%
31-May	10.2	0.34	0.34	0.00	0.00	2.30	1.17		1,200	—	<0.01	<0.01	—	4,120			0.000	0.713	0.0%			0.00	0.28	0.0%	
31-May	10.2	0.51	0.51					122	—	—	0.01	0.01	—	4,820	11.01	10.66	0.001	0.714	0.1%	80%	98%	0.00	0.29	0.3%	58%
1-Jun	10.2	0.40	0.40	0.00	0.00	0.00	1.21			—	<0.01	<0.01	—	4,820			0.000	0.714	0.0%			0.00	0.29	0.0%	
1-Jun	10.2	0.43	0.43					123	—	—	0.02	0.01	—	4,730	10.80	10.78	0.002	0.716	0.3%	80%	98%	0.00	0.29	0.2%	59%
4-Jun	10.2	0.27	0.27	0.00	0.00	1.60	1.20			—	<0.01	<0.01	—	4,730			0.000	0.716	0.0%			0.00	0.29	0.0%	
4-Jun	10.2	0.45	0.45					126	—	—	0.02	0.01	—	5,110	11.67	10.91	0.003	0.719	0.3%	80%	98%	0.00	0.29	0.3%	59%
5-Jun	10.3	0.29	0.29	0.00	0.00	1.60	1.23			—	<0.01	<0.01	—	5,110			0.000	0.719	0.0%			0.00	0.29	0.0%	
5-Jun	10.3	0.53	0.53					127	—	—	0.02	<0.01	—	4,330	9.89	11.02	0.002	0.721	0.2%	80%	99%	0.00	0.29	0.0%	59%
6-Jun	10.2	0.27	0.27	0.00	0.00	2.00	1.24		1,000	—	<0.01	<0.01	—	4,330			0.000	0.721	0.0%			0.00	0.29	0.0%	
6-Jun	10.2	0.42	0.42					128	—	—	<0.01	<0.01	8.34	4,850	11.08	11.15	0.000	0.721	0.0%	80%	99%	0.00	0.29	0.0%	59%
7-Jun	10.2	0.34	0.34	0.00	0.00	1.30	1.28			—	<0.01	<0.01	—	4,850			0.000	0.721	0.0%			0.00	0.29	0.0%	
7-Jun	10.3	0.58	0.58					129	—	—	0.02	0.01	—	3,920	8.95	11.25	0.002	0.723	0.2%	81%	99%	0.00	0.29	0.2%	59%
8-Jun	10.3	0.46	0.46	0.00	0.00	0.00	1.28			—	0.01	0.01	—	3,920			-0.001	0.722	-0.1%			0.00	0.29	-0.2%	59%
8-Jun	10.3	0.58	0.58					130	—	—	0.03	0.01	8.22	4,660	10.64	11.36	0.004	0.726	0.4%	81%	99%	0.00	0.29	0.2%	59%
11-Jun	10.4	0.40	0.40	0.00	0.00	0.00	1.25		600	—	<0.01	0.01	—	4,660			0.000	0.726	0.0%			0.00	0.29	-0.2%	59%
11-Jun	10.2	0.41	0.41					133	—	—	<0.01	0.01	—	4,720	10.78	11.48	0.000	0.726	0.0%	81%	99%	0.00	0.29	0.2%	59%
12-Jun	10.3	0.28	0.28	0.00	0.00	0.00	1.25		600	—	0.01	<0.01	—	4,720			-0.001	0.725	-0.1%			0.00	0.29	0.0%	
12-Jun	10.3	0.31	0.31					134	—	—	0.04	0.01	—	3,850	8.79	11.58	0.004	0.729	0.4%	81%	100%	0.00	0.29	0.2%	59%
13-Jun	10.3	0.26	0.26	0.00	0.00	0.00	1.27		1,400	—	<0.01	0.01	—	3,850			0.000	0.729	0.0%			0.00	0.29	-0.2%	59%
13-Jun	10.2	0.31	0.31					135	—	—	<0.01	0.01	7.92	4,220	9.64	11.69	0.000	0.729	0.0%	81%	100%	0.00	0.29	0.2%	59%
14-Jun	10.1	0.21	0.21	0.00	0.00	0.00	1.27		1,100	—	0.01	<0.01	—	4,220			0.000	0.729	0.1%			0.00	0.29	0.0%	
14-Jun	10.1	0.20	0.20					136	—	—	0.02	<0.01	—	5,080	11.60	11.82	0.003	0.730	0.3%	81%	100%	0.00	0.29	0.0%	59%
15-Jun	10.0	0.17	0.17	0.00	0.00	0.00	1.27			—	<0.01	<0.01	—	5,080			0.000	0.730	0.0%			0.00	0.29	0.0%	
15-Jun	10.1	0.16	0.16					137	—	—	<0.01	<0.01	—	5,370	12.27	11.96	0.000	0.730	0.0%	81%	100%	0.00	0.29	0.0%	59%
18-Jun	9.9	0.11	0.11	0.00	0.00	0.00	1.27			—	<0.01	<0.01	—	5,370			0.000	0.730	0.0%			0.00	0.29	0.0%	
18-Jun	10.0	0.14	0.14					140	—	—	0.02	0.01	—	5,160	11.79	12.09	0.003	0.733	0.3%	82%	100%	0.00	0.29	0.3%	60%
19-Jun	9.9	0.10	0.10	0.00	0.00	0.00	1.27			—	<0.01	<0.01	—	5,160											

Project:	Eagle Gold																Head Screen, gms Au/MT: 1.077										gms Ag/MT: 0.56	
Sample Description:	Environmental Composite																Head Assay, gms Au/MT: 1.041										gms Ag/MT: 0.62	
Test No.:	63319	Columns run at 3°C to 4°C															Extracted, gms Au/MT: 0.816										gms Ag/MT: 0.32	
Sample I.D.:	48158																Tail Assay, gms Au/MT: 0.167										gms Ag/MT: 0.20	
Initial Ht., meters:	1.49																Calculated Head, gms Au/MT: 0.984										gms Ag/MT: 0.52	
Crush Size, mm:	9.5																Weight of Sample, kg: 39.40											
Column I.D., meters:	0.152																Column Surface Area, square meters: 0.018											
																	Cement Addition, grams: 118.86										kg/MT: 3.02	
																	Hydrated Lime Addition, grams: 0.00										kg/MT: 0.00	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26			
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mLs	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution			
30-Jan	---	---	---	0.00	0.00	6.85	0.00	0	6,853	---	---	---	---	---	0.00	0.00	0.000	0.000	0.0%	0%	0%	0.00	0.00	0.0%	0%			
30-Jan	---	---	---	---	---	---	---	1	---	---	---	---	---	---	0.00	0.00	0.000	0.000	0.0%	0%	0%	0.00	0.00	0.0%	0%			
31-Jan	---	---	---	0.00	0.00	5.30	0.17	---	5,300	---	---	---	---	---	0.00	0.00	0.000	0.000	0.0%	0%	0%	0.00	0.00	0.0%	0%			
31-Jan	11.8	0.67	0.67	---	---	---	---	1	---	C-1	1.95	1.22	11.60	4,380	10.00	0.11	0.217	0.217	22.0%	22%	27%	0.14	0.14	26.0%	26%			
1-Feb	11.2	0.61	0.61	0.00	0.00	0.90	0.23	---	900	---	<-0.01	<-0.01	---	4,380	---	---	0.000	0.217	0.0%	---	---	0.00	0.14	0.0%	---			
1-Feb	11.7	0.64	0.64	---	---	---	---	2	---	---	0.82	0.39	6.65	5,060	11.56	0.24	0.105	0.322	10.7%	33%	39%	0.05	0.19	9.6%	36%			
2-Feb	11.6	0.60	0.60	0.00	0.00	0.00	0.17	---	---	---	<-0.01	<-0.01	---	5,060	---	---	0.000	0.322	0.0%	---	---	0.00	0.19	0.0%	---			
2-Feb	11.7	0.87	0.87	---	---	---	---	3	---	---	0.56	0.23	5.59	5,240	11.97	0.37	0.074	0.397	7.6%	40%	49%	0.03	0.22	5.9%	41%			
3-Feb	11.8	0.86	0.86	0.00	0.00	0.00	0.12	---	---	---	<-0.01	0.01	---	5,240	---	---	0.000	0.397	0.0%	---	---	0.00	0.21	-0.3%	---			
3-Feb	11.9	0.79	0.79	---	---	---	---	4	---	---	0.75	0.09	---	5,240	11.97	0.51	0.033	0.430	3.4%	44%	53%	0.01	0.23	2.4%	43%			
4-Feb	11.8	0.75	0.75	0.00	0.00	0.00	0.09	---	---	---	<-0.01	0.01	---	5,240	---	---	0.000	0.430	0.0%	---	---	0.00	0.23	-0.3%	---			
4-Feb	11.8	0.88	0.88	---	---	---	---	5	---	---	0.24	0.07	---	5,140	11.74	0.64	0.031	0.461	3.2%	47%	56%	0.01	0.23	1.7%	45%			
5-Feb	11.8	0.67	0.67	0.00	0.00	0.00	0.09	---	---	---	<-0.01	0.01	---	5,140	---	---	0.000	0.461	0.0%	---	---	0.00	0.23	-0.2%	---			
5-Feb	11.8	0.74	0.74	---	---	---	---	6	---	---	0.16	0.05	---	5,080	11.60	0.76	0.021	0.482	2.1%	49%	59%	0.01	0.24	1.2%	46%			
6-Feb	11.6	0.60	0.60	0.00	0.00	0.00	0.10	---	---	---	<-0.01	<-0.01	---	5,080	---	---	0.000	0.482	0.0%	---	---	0.00	0.24	0.0%	---			
6-Feb	11.7	0.65	0.65	---	---	---	---	7	---	---	0.14	0.03	---	4,740	10.83	0.89	0.017	0.499	1.7%	51%	61%	0.00	0.24	0.7%	47%			
7-Feb	11.4	0.55	0.55	0.00	0.00	0.00	0.10	---	---	XC-1	<-0.01	<-0.01	---	4,740	---	---	0.000	0.499	0.0%	---	---	0.00	0.24	0.0%	---			
7-Feb	11.6	0.66	0.66	---	---	---	---	8	---	C-2	0.14	0.02	---	4,800	10.96	1.01	0.017	0.516	1.7%	52%	63%	0.00	0.25	0.5%	47%			
8-Feb	11.3	0.48	0.48	0.00	0.00	0.00	0.10	---	---	---	<-0.01	0.01	---	4,800	---	---	0.000	0.516	0.0%	---	---	0.00	0.24	-0.2%	---			
8-Feb	11.7	0.62	0.62	---	---	---	---	9	---	---	0.09	0.03	7.46	4,980	11.38	1.13	0.011	0.527	1.2%	54%	65%	0.00	0.25	0.7%	48%			
9-Feb	11.2	0.48	0.48	0.00	0.00	0.00	0.09	---	---	---	<-0.01	0.01	---	4,980	---	---	0.000	0.527	0.0%	---	---	0.00	0.25	-0.2%	---			
9-Feb	11.4	0.52	0.52	---	---	---	---	10	---	---	0.10	0.03	---	4,160	9.50	1.24	0.011	0.538	1.1%	55%	66%	0.00	0.25	0.6%	48%			
10-Feb	11.3	0.42	0.42	0.00	0.00	0.00	0.09	---	---	---	<-0.01	<-0.01	---	4,160	---	---	0.000	0.538	0.0%	---	---	0.00	0.25	0.0%	---			
10-Feb	11.6	0.50	0.50	---	---	---	---	11	---	---	0.08	0.01	---	4,880	11.15	1.36	0.010	0.547	1.0%	56%	67%	0.00	0.25	0.2%	48%			
13-Feb	11.3	0.40	0.40	0.00	0.00	0.00	0.09	---	---	---	<-0.01	<-0.01	---	4,880	---	---	0.000	0.547	0.0%	---	---	0.00	0.25	0.0%	---			
13-Feb	10.9	0.43	0.43	---	---	---	---	14	---	---	0.06	0.01	---	4,440	10.14	1.48	0.007	0.554	0.7%	56%	68%	0.00	0.25	0.2%	48%			
14-Feb	11.3	0.30	0.30	0.00	0.00	2.20	0.08	---	900	---	0.01	<-0.01	---	4,440	---	---	<-0.01	0.553	-0.1%	---	---	0.00	0.25	0.0%	---			
14-Feb	11.1	0.41	0.41	---	---	---	---	15	---	---	0.20	0.03	---	4,410	10.07	1.59	0.022	0.576	2.3%	59%	70%	0.00	0.26	0.6%	49%			
15-Feb	11.2	0.33	0.33	0.00	0.00	2.10	0.14	---	900	---	<-0.01	<-0.01	---	4,410	---	---	0.000	0.576	0.0%	---	---	0.00	0.26	0.0%	---			
15-Feb	11.5	0.51	0.51	---	---	---	---	16	---	---	0.08	0.10	9.74	5,570	12.72	1.73	0.011	0.587	1.1%	60%	72%	0.01	0.27	2.7%	52%			
16-Feb	11.1	0.42	0.42	0.00	0.00	0.00	0.16	---	---	---	<-0.01	0.01	---	5,570	---	---	0.000	0.587	0.0%	---	---	0.00	0.27	-0.3%	---			
16-Feb	11.2	0.48	0.48	---	---	---	---	17	---	---	0.06	0.02	---	5,640	12.88	1.87	0.009	0.595	0.9%	61%	73%	0.00	0.27	0.5%	52%			
17-Feb	11.3	0.40	0.40	0.00	0.00	0.00	0.12	---	---	---	0.01	<-0.01	---	5,640	---	---	<-0.01	0.594	-0.1%	---	---	0.00	0.27	0.0%	---			
17-Feb	11.4	0.66	0.66	---	---	---	---	18	---	---	0.08	0.01	---	4,160	9.50	1.98	0.008	0.602	0.9%	61%	74%	0.00	0.27	0.2%	52%			
21-Feb	10.5	0.42	0.42	0.00	0.00	1.10	0.11	---	1,100	XC-2	0.01	<-0.01	---	4,160	---	---	<-0.01	0.601	-0.1%	---	---	0.00	0.27	0.0%	---			
21-Feb	10.4	0.41	0.41	---	---	---	---	22	---	C-3	0.07	<-0.01	---	6,500	14.85	2.14	0.012	0.613	1.2%	62%	75%	0.00	0.27	0.0%	52%			
22-Feb	10.4	0.26	0.26	0.00	0.00	2.20	0.13	---	---	---	<-0.01	<-0.01	---	6,500	---	---	0.000	0.613	0.0%	---	---	0.00	0.27	0.0%	---			
22-Feb	11.2	0.50	0.50	---	---	---	---	23	---	---	0.19	0.03	6.51	4,620	10.55	2.26	0.022	0.635	2.3%	65%	78%	0.00	0.28	0.7%	53%			
23-Feb	10.9	0.45	0.45	0.00	0.00	0.00	0.17	---	---	---	<-0.01	<-0.01	---	4,620	---	---	0.000	0.635	0.0%	---	---	0.00	0.28	0.0%	---			
23-Feb	10.7	0.41	0.41	---	---	---	---	24	---	---	<-0.01	<-0.01	---	6,580	15.03	2.43	0.000	0.635	0.0%	---	---	0.00	0.28	0.0%	53%			
24-Feb	10.7	0.40	0.40	0.00	0.00	0.00	0.14	---	---	---	<-0.01	<-0.01	---	6,580	---	---	0.000	0.635	0.0%	---	---	0.00	0.28	0.0%	---			
24-Feb	10.6	0.42	0.42	---	---	---	---	25	---	---	0.06	<-0.01	---	2,750	6.28	2.50	0.004	0.639	0.4%	65%	78%	0.00	0.28	0.0%	53%			
27-Feb	10.5	0.32	0.32	0.00	0.00	3.30	0.17	---	2,500	---	<-0.01	<-0.01	---	2,750	---	---	0.000	0.639	0.0%	---	---	0.00	0.28	0.0%	---			
27-Feb	10.6	0.42	0.42	---	---	---	---	28	---	---	0.04	<-0.01	---	4,400	10.05	2.61	0.004	0.644	0.5%	65%	79%	0.00	0.28	0.0%	53%			
28-Feb	10.4	0.32	0.32	0.00	0.00	2.10	0.27	---	900	---	<-0.01	<-0.01	---	4,400	---	---	0.000	0.644	0.0%	---	---	0.00	0.28	0.0%	---			
28-Feb	10.9	0.66	0.66	---	---	---	---	29	---	---	0.06	0.01	---	5,120	11.69	2.74	0.008	0.652	0.8%	66%	80%	0.00	0.28	0.2%	53%			
29-Feb	10.7	0.52	0.52	0.00	0.00	0.00	0.26	---	---	---	<-0.01	<-0.01	---	5,120	---	---	0.000	0.652	0.0%	---	---	0.00	0.28	0.0%	---			
29-Feb	10.8	0.52	0.52	---	---	---	---	30	---	---	0.06	<-0.01	4.09	4,470	10.21	2.85	0.007	0.658	0.7%	67%	81%	0.00	0.28	0.0%	---			
1-Mar	11.0	0.43	0.43	0.00	0.00	0.80	0.24	---	800	---	<-0.01	<-0.01	---	4,470	---	---	0.000	0.658	0.0%	---	---	0.00	0.28	0.0%	53%			
1-Mar	11.1	0.59	0.59	---	---	---	---	31	---	---	0.03	0.01	---	5,720	13.07	3.00	0.004	0.663	0.4%	67%	81%	0.00	0.28	0.3%	53%			
2-Mar	10.5	0.28	0.28	0.00	0.00	1.80	0.24	---	---	---	0.01	<-0.01	---	5,720	---	---	<-0.01	0.661	-0.1%	---	---	0.00	0.28	0.0%	---			
2-Mar	11.1	0.53	0.53	---	---	---	---	32	---	---	0.06	<-0.01	---	3,780	8.63	3.09												

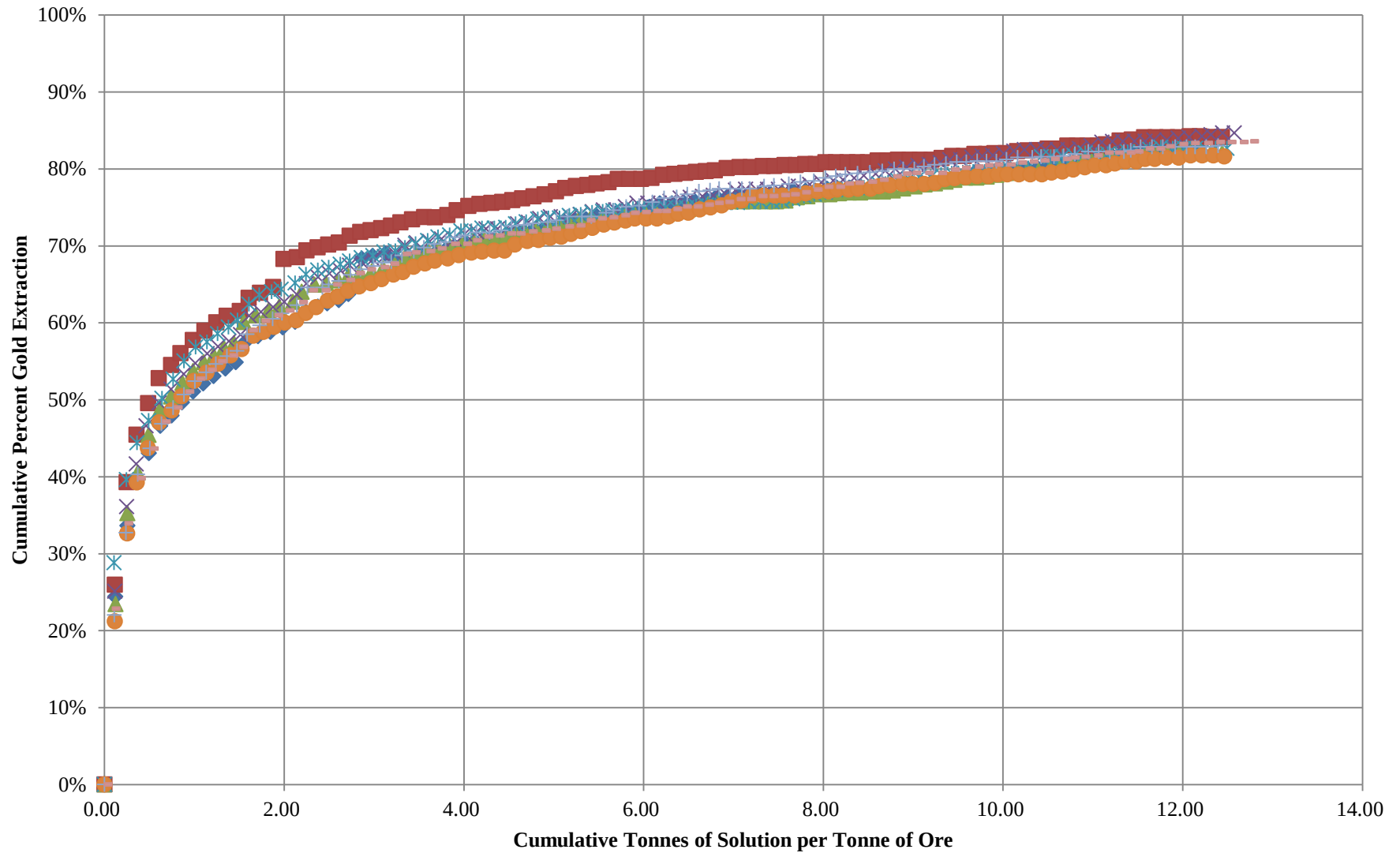
Project:	Eagle Gold																Head Screen, gms Au/MT:	1.077		gms Ag/MT:	0.56				
Sample Description:	Environmental Composite																Head Assay, gms Au/MT:	1.041		gms Ag/MT:	0.62				
Test No.:	63319	Columns run at 3°C to 4°C															Extracted, gms Au/MT:	0.816		gms Ag/MT:	0.32				
Sample I.D.:	48158																Tail Assay, gms Au/MT:	0.167		gms Ag/MT:	0.20				
Initial Ht., meters:	1.49																Calculated Head, gms Au/MT:	0.984		gms Ag/MT:	0.52				
Crush Size, mm:	9.5																Weight of Sample, kg:	39.40							
Column I.D., meters:	0.152																Column Surface Area, square meters:	0.018							
																	Cement Addition, grams:	118.86		kg/MT:	3.02				
																	Hydrated Lime Addition, grams:	0.00		kg/MT:	0.00				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mL	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
20-Mar	10.6	0.57	0.57	—	—	—	—	50	—	—	0.05	0.01	—	4,480	10.23	4.53	0.006	0.714	0.6%	73%	87%	0.00	0.29	0.2%	56%
21-Mar	10.7	0.39	0.39	0.00	0.00	1.70	0.42	51	800	—	<0.01	<0.01	—	4,480	—	—	0.000	0.714	0.0%	—	—	0.00	0.29	0.0%	—
21-Mar	10.8	0.52	0.52	—	—	—	—	51	—	—	0.01	<0.01	3.25	5,500	12.56	4.67	0.001	0.715	0.1%	73%	88%	0.00	0.29	0.0%	56%
22-Mar	10.8	0.41	0.41	0.00	0.00	0.00	0.43	—	—	—	<0.01	<0.01	—	5,500	—	—	0.000	0.715	0.0%	—	—	0.00	0.29	0.0%	—
22-Mar	10.9	0.66	0.66	—	—	—	—	52	—	—	0.02	<0.01	—	3,990	9.11	4.77	0.002	0.717	0.2%	73%	88%	0.00	0.29	0.0%	56%
23-Mar	10.8	0.51	0.51	0.00	0.00	0.00	0.41	—	—	—	<0.01	<0.01	—	3,990	—	—	0.000	0.717	0.0%	—	—	0.00	0.29	0.0%	—
23-Mar	10.9	0.50	0.50	—	—	—	—	53	—	—	0.01	<0.01	—	6,350	14.50	4.93	0.002	0.719	0.2%	73%	88%	0.00	0.29	0.0%	56%
26-Mar	10.6	0.40	0.40	0.00	0.00	0.00	0.38	—	—	—	<0.01	<0.01	—	6,350	—	—	0.000	0.719	0.0%	—	—	0.00	0.29	0.0%	—
26-Mar	10.5	0.43	0.43	—	—	—	—	56	—	—	0.02	<0.01	—	3,890	8.89	5.03	0.002	0.721	0.2%	73%	88%	0.00	0.29	0.0%	56%
27-Mar	10.6	0.30	0.30	0.00	0.00	2.60	0.39	—	1,400	—	<0.01	<0.01	—	3,890	—	—	0.000	0.721	0.0%	—	—	0.00	0.29	0.0%	—
27-Mar	10.7	0.38	0.38	—	—	—	—	57	—	—	0.04	0.01	—	4,850	11.08	5.15	0.005	0.726	0.5%	74%	89%	0.00	0.29	0.0%	56%
28-Mar	10.6	0.34	0.34	0.00	0.00	1.30	0.48	—	—	—	<0.01	<0.01	—	4,850	—	—	0.000	0.726	0.0%	—	—	0.00	0.29	0.0%	—
28-Mar	10.7	0.44	0.44	—	—	—	—	58	—	—	<0.01	0.01	3.34	6,290	14.37	5.31	0.000	0.726	0.0%	74%	89%	0.00	0.29	0.3%	56%
29-Mar	10.8	0.40	0.40	0.00	0.00	0.00	0.47	—	—	—	<0.01	<0.01	—	6,290	—	—	0.000	0.726	0.0%	—	—	0.00	0.29	0.0%	—
29-Mar	10.7	0.30	0.30	—	—	—	—	59	—	—	<0.01	0.01	—	4,150	9.48	5.42	0.000	0.726	0.0%	74%	89%	0.00	0.29	0.2%	56%
2-Apr	10.4	0.21	0.21	0.00	0.00	2.50	0.48	—	—	—	<0.01	<0.01	—	4,150	—	—	0.000	0.726	0.0%	—	—	0.00	0.29	0.0%	—
2-Apr	10.5	0.44	0.44	—	—	—	—	63	—	—	0.03	0.01	—	6,380	14.57	5.58	0.005	0.731	0.5%	74%	90%	0.00	0.30	0.3%	57%
3-Apr	10.4	0.32	0.32	0.00	0.00	1.80	0.53	—	—	—	<0.01	<0.01	—	6,380	—	—	0.000	0.731	0.0%	—	—	0.00	0.30	0.0%	—
3-Apr	10.5	0.47	0.47	—	—	—	—	64	—	—	0.04	0.02	—	3,330	7.61	5.67	0.003	0.734	0.3%	75%	90%	0.00	0.30	0.3%	57%
4-Apr	10.5	0.35	0.35	0.00	0.00	2.80	0.56	—	2,000	—	<0.01	<0.01	—	3,330	—	—	0.000	0.734	0.0%	—	—	0.00	0.30	0.0%	—
4-Apr	10.5	0.58	0.58	—	—	—	—	65	—	—	0.03	0.01	4.28	5,610	12.81	5.81	0.004	0.739	0.4%	75%	90%	0.00	0.30	0.3%	57%
6-Apr	10.6	0.42	0.42	0.00	0.00	0.00	0.60	—	—	—	<0.01	<0.01	—	5,610	—	—	0.000	0.739	0.0%	—	—	0.00	0.30	0.0%	—
6-Apr	10.7	0.69	0.69	—	—	—	—	67	—	—	0.01	<0.01	—	5,640	12.88	5.95	0.001	0.740	0.1%	75%	91%	0.00	0.30	0.0%	57%
9-Apr	10.6	0.58	0.58	0.00	0.00	0.00	0.53	—	—	—	<0.01	<0.01	—	5,640	—	—	0.000	0.740	0.0%	—	—	0.00	0.30	0.0%	—
9-Apr	10.5	0.41	0.41	—	—	—	—	70	—	—	0.03	<0.01	—	5,840	13.34	6.10	0.004	0.744	0.5%	76%	91%	0.00	0.30	0.0%	57%
10-Apr	10.3	0.33	0.33	0.00	0.00	1.60	0.53	—	—	—	<0.01	<0.01	—	5,840	—	—	0.000	0.744	0.0%	—	—	0.00	0.30	0.0%	—
10-Apr	10.5	0.49	0.49	—	—	—	—	71	—	—	0.04	0.01	—	5,100	11.65	6.23	0.005	0.750	0.5%	76%	92%	0.00	0.30	0.2%	58%
11-Apr	10.6	0.36	0.36	0.00	0.00	1.20	0.59	—	—	—	<0.01	<0.01	—	5,100	—	—	0.000	0.750	0.0%	—	—	0.00	0.30	0.0%	—
11-Apr	10.5	0.52	0.52	—	—	—	—	72	—	—	0.01	<0.01	4.60	5,490	12.54	6.37	0.001	0.751	0.1%	76%	92%	0.00	0.30	0.0%	58%
12-Apr	10.6	0.42	0.42	0.00	0.00	0.00	0.59	—	—	—	<0.01	<0.01	—	5,490	—	—	0.000	0.751	0.0%	—	—	0.00	0.30	0.0%	—
12-Apr	10.6	0.59	0.59	—	—	—	—	73	—	—	0.03	<0.01	—	4,690	10.71	6.49	0.004	0.755	0.4%	77%	92%	0.00	0.30	0.0%	58%
13-Apr	10.6	0.44	0.44	0.00	0.00	0.00	0.57	—	—	—	<0.01	<0.01	—	4,960	—	—	0.000	0.755	0.0%	—	—	0.00	0.30	0.0%	—
13-Apr	10.6	0.50	0.50	—	—	—	—	74	—	—	0.03	<0.01	—	5,060	11.56	6.62	0.004	0.758	0.4%	77%	93%	0.00	0.30	0.0%	58%
16-Apr	10.5	0.31	0.31	0.00	0.00	1.50	0.56	—	—	—	<0.01	<0.01	—	5,060	—	—	0.000	0.758	0.0%	—	—	0.00	0.30	0.0%	—
16-Apr	10.4	0.36	0.36	—	—	—	—	77	—	—	0.01	<0.01	—	4,940	11.28	6.74	0.001	0.760	0.1%	77%	93%	0.00	0.30	0.0%	58%
17-Apr	10.3	0.30	0.30	0.00	0.00	1.50	0.61	—	—	—	<0.01	<0.01	—	4,940	—	—	0.000	0.760	0.0%	—	—	0.00	0.30	0.0%	—
17-Apr	10.4	0.34	0.34	—	—	—	—	78	—	—	0.02	<0.01	—	3,940	9.00	6.84	0.002	0.762	0.2%	77%	93%	0.00	0.30	0.0%	58%
18-Apr	10.4	0.30	0.30	0.00	0.00	2.60	0.65	—	1,400	—	<0.01	<0.01	—	3,940	—	—	0.000	0.762	0.0%	—	—	0.00	0.30	0.0%	—
18-Apr	10.5	0.55	0.55	—	—	—	—	79	—	—	<0.01	<0.01	4.69	4,920	11.24	6.97	0.000	0.762	0.0%	77%	93%	0.00	0.30	0.0%	58%
19-Apr	10.6	0.42	0.42	0.00	0.00	0.00	0.69	—	—	—	<0.01	<0.01	—	4,920	—	—	0.000	0.762	0.0%	—	—	0.00	0.30	0.0%	—
19-Apr	10.6	0.52	0.52	—	—	—	—	80	—	—	<0.01	<0.01	—	5,080	11.60	7.09	0.000	0.762	0.0%	77%	93%	0.00	0.30	0.0%	58%
20-Apr	10.5	0.48	0.48	0.00	0.00	0.00	0.65	—	—	—	<0.01	<0.01	—	5,080	—	—	0.000	0.762	0.0%	—	—	0.00	0.30	0.0%	—
20-Apr	10.4	0.49	0.49	—	—	—	—	81	—	—	<0.01	<0.01	—	3,500	7.99	7.18	0.000	0.762	0.0%	77%	93%	0.00	0.30	0.0%	58%
23-Apr	10.4	0.32	0.32	0.00	0.00	2.80	0.66	—	1,800	—	<0.01	<0.01	—	3,500	—	—	0.000	0.762	0.0%	—	—	0.00	0.30	0.0%	—
23-Apr	10.4	0.39	0.39	—	—	—	—	84	—	—	0.02	<0.01	—	6,270	14.32	7.34	0.003	0.765	0.3%	78%	94%	0.00	0.30	0.0%	58%
24-Apr	10.4	0.31	0.31	0.00	0.00	1.80	0.73	—	—	—	<0.01	<0.01	—	6,270	—	—	0.000	0.765	0.0%	—	—	0.00	0.30	0.0%	—
24-Apr	10.4	0.59	0.59	—	—	—	—	85	—	—	0.01	0.01	—	4,290	9.80	7.45	0.001	0.766	0.1%	78%	94%				

Project:	Eagle Gold																Head Screen, gms Au/MT:		1.077		gms Ag/MT:	0.56			
Sample Description:	Environmental Composite																Head Assay, gms Au/MT:		1.041		gms Ag/MT:	0.62			
Test No.:	63322	Columns run at 3°C to 4°C															Extracted, gms Au/MT:		0.841		gms Ag/MT:	0.33			
Sample I.D.:	48158																Tail Assay, gms Au/MT:		0.165		gms Ag/MT:	0.19			
Initial Ht., meters:	1.56																Calculated Head, gms Au/MT:		1.006		gms Ag/MT:	0.52			
Crush Size, mm:	9.5																Est. Weight of Sample, kg:		39.28						
Column I.D., meters:	0.152																Column Surface Area, square meters:		0.018						
																	Cement Addition, grams:		118.86		kg/MT:	3.03			
																	Hydrated Lime Addition, grams:		0.00		kg/MT:	0.00			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mLs	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
30-Jan	---	---	---	0.00	0.00	6.95	0.00		6,945	---	---	---	---	---			0.000	0.000	0.0%	0%	0%	0.00	0.00	0.0%	
30-Jan	---	---	---	---	---	---	---	0			---	---	---	---	0.00	0.00	0.000	0.000	0.0%	0%	0%	0.00	0.00	0.0%	0%
31-Jan	---	---	---	0.00	0.00	5.30	0.18		5,300	---	---	---	---	---			0.000	0.000	0.0%	0%	0%	0.00	0.00	0.0%	
31-Jan	11.9	0.52	0.52	---	---	---	---	1		C-1	2.55	1.60	13.10	3,540	8.09	0.09	0.230	0.230	22.8%	23%	27%	0.14	0.14	27.8%	28%
1-Feb	11.2	0.40	0.40	0.00	0.00	1.80	0.27		1,800	---	<0.01	<0.01	---	3,540	---	---	0.000	0.230	0.0%	---	---	0.00	0.14	0.0%	---
1-Feb	11.8	0.91	0.91	---	---	---	---	2		---	0.79	0.42	8.27	5,540	12.65	0.23	0.111	0.341	11.1%	34%	41%	0.06	0.20	11.4%	39%
2-Feb	11.7	0.76	0.76	0.00	0.00	0.00	0.18	---	---	---	<0.01	0.01	---	5,540	---	---	0.000	0.341	0.0%	---	---	0.00	0.20	-0.3%	---
2-Feb	11.8	0.61	0.61	---	---	---	---	3		---	0.42	0.17	5.34	5,540	12.65	0.37	0.059	0.400	5.9%	40%	48%	0.02	0.23	4.6%	44%
3-Feb	11.9	0.60	0.60	0.00	0.00	0.00	0.13	---	---	---	0.01	0.01	---	5,540	---	---	<0.01	0.399	-0.1%	---	---	0.00	0.22	-0.3%	---
3-Feb	11.9	0.81	0.81	---	---	---	---	4		---	0.28	0.10	---	5,600	12.79	0.51	0.040	0.439	4.0%	44%	52%	0.01	0.24	2.8%	46%
4-Feb	11.9	0.75	0.75	0.00	0.00	0.00	0.12	---	---	---	<0.01	0.01	---	5,600	---	---	0.000	0.439	0.0%	---	---	0.00	0.24	-0.3%	---
4-Feb	11.9	0.70	0.70	---	---	---	---	5		---	0.26	0.07	---	5,360	12.24	0.65	0.035	0.474	3.5%	47%	56%	0.01	0.25	1.8%	48%
5-Feb	11.8	0.58	0.58	0.00	0.00	0.00	0.11	---	---	---	<0.01	0.01	---	5,360	---	---	0.000	0.474	0.0%	---	---	0.00	0.25	-0.3%	---
5-Feb	11.9	0.56	0.56	---	---	---	---	6		---	0.14	0.05	---	5,180	11.83	0.78	0.018	0.493	1.8%	49%	59%	0.01	0.25	1.3%	49%
6-Feb	11.6	0.40	0.40	0.00	0.00	0.00	0.14	---	---	---	<0.01	<0.01	---	5,180	---	---	0.000	0.493	0.0%	---	---	0.00	0.25	0.0%	---
6-Feb	11.7	0.53	0.53	---	---	---	---	7		---	0.16	0.04	---	5,080	11.60	0.91	0.021	0.514	2.1%	51%	61%	0.01	0.26	1.0%	50%
7-Feb	11.4	0.44	0.44	0.00	0.00	0.00	0.15	---	---	XC-1	<0.01	<0.01	---	5,080	---	---	0.000	0.514	0.0%	---	---	0.00	0.26	0.0%	---
7-Feb	11.6	0.55	0.55	---	---	---	---	8		C-2	0.14	0.02	---	4,760	10.87	1.03	0.017	0.531	1.7%	53%	63%	0.00	0.26	0.5%	50%
8-Feb	10.9	0.40	0.40	0.00	0.00	0.00	0.14	---	---	---	<0.01	0.01	---	4,760	---	---	0.000	0.531	0.0%	---	---	0.00	0.26	-0.2%	---
8-Feb	11.5	0.52	0.52	---	---	---	---	9		---	0.09	0.04	6.74	5,000	11.42	1.16	0.011	0.542	1.1%	54%	64%	0.01	0.26	1.0%	51%
9-Feb	11.1	0.40	0.40	0.00	0.00	0.00	0.13	---	---	---	<0.01	<0.01	---	5,000	---	---	0.000	0.542	0.0%	---	---	0.00	0.26	0.0%	---
9-Feb	11.4	0.42	0.42	---	---	---	---	10		---	0.10	0.04	---	4,400	10.05	1.27	0.011	0.553	1.1%	55%	66%	0.00	0.27	0.9%	52%
10-Feb	11.3	0.40	0.40	0.00	0.00	0.00	0.13	---	---	---	<0.01	<0.01	---	4,400	---	---	0.000	0.553	0.0%	---	---	0.00	0.27	0.0%	---
10-Feb	11.5	0.37	0.37	---	---	---	---	11		---	0.06	0.01	---	4,980	11.38	1.40	0.008	0.561	0.8%	56%	67%	0.00	0.27	0.2%	52%
13-Feb	10.9	0.27	0.27	0.00	0.00	1.60	0.13	---	---	---	<0.01	<0.01	---	4,980	---	---	0.000	0.561	0.0%	---	---	0.00	0.27	0.0%	---
13-Feb	11.0	0.34	0.34	---	---	---	---	14		---	0.10	0.01	---	4,340	9.91	1.51	0.011	0.572	1.1%	57%	68%	0.00	0.27	0.2%	52%
14-Feb	10.8	0.25	0.25	0.00	0.00	2.50	0.18	---	1,000	---	<0.01	<0.01	---	4,340	---	---	0.000	0.572	0.0%	---	---	0.00	0.27	0.0%	---
14-Feb	11.1	0.47	0.47	---	---	---	---	15		---	0.20	0.03	---	4,320	9.87	1.62	0.022	0.594	2.2%	59%	71%	0.00	0.27	0.6%	53%
15-Feb	11.2	0.40	0.40	0.00	0.00	1.00	0.22	---	1,000	---	<0.01	<0.01	---	4,320	---	---	0.000	0.594	0.0%	---	---	0.00	0.27	0.0%	---
15-Feb	11.5	0.54	0.54	---	---	---	---	16		---	0.09	0.01	6.20	5,340	12.20	1.76	0.012	0.606	1.2%	60%	72%	0.00	0.28	0.3%	53%
16-Feb	11.1	0.44	0.44	0.00	0.00	0.00	0.20	---	---	---	<0.01	<0.01	---	5,340	---	---	0.000	0.606	0.0%	---	---	0.00	0.28	0.0%	---
16-Feb	11.3	0.52	0.52	---	---	---	---	17		---	0.05	0.02	---	5,650	12.91	1.90	0.007	0.613	0.7%	61%	73%	0.00	0.28	0.6%	54%
17-Feb	11.3	0.41	0.41	0.00	0.00	0.00	0.17	---	---	---	<0.01	<0.01	---	5,650	---	---	0.000	0.613	0.0%	---	---	0.00	0.28	0.0%	---
17-Feb	11.5	0.50	0.50	---	---	---	---	18		---	0.05	0.02	---	5,030	11.49	2.03	0.006	0.620	0.6%	62%	74%	0.00	0.28	0.5%	54%
21-Feb	10.4	0.30	0.30	0.00	0.00	1.50	0.17	---	---	XC-2	0.02	<0.01	---	5,030	---	---	<0.03	0.617	-0.3%	---	---	0.00	0.28	0.0%	---
21-Feb	10.5	0.41	0.41	---	---	---	---	22		C-3	0.09	<0.01	---	5,860	13.39	2.18	0.013	0.631	1.3%	63%	75%	0.00	0.28	0.0%	54%
22-Feb	10.6	0.29	0.29	0.00	0.00	1.80	0.20	---	---	---	<0.01	<0.01	---	5,860	---	---	0.000	0.631	0.0%	---	---	0.00	0.28	0.0%	---
22-Feb	11.1	0.40	0.40	---	---	---	---	23		---	0.14	0.02	6.96	4,330	9.89	2.29	0.015	0.646	1.5%	64%	77%	0.00	0.28	0.4%	55%
23-Feb	10.7	0.34	0.34	0.00	0.00	2.10	0.24	---	1,000	---	<0.01	<0.01	---	4,330	---	---	0.000	0.646	0.0%	---	---	0.00	0.28	0.0%	---
23-Feb	11.1	0.57	0.57	---	---	---	---	24		---	<0.01	0.01	---	5,530	12.63	2.43	0.000	0.646	0.0%	---	---	0.00	0.28	0.3%	55%
24-Feb	10.6	0.46	0.46	0.00	0.00	0.00	0.26	---	---	---	<0.01	<0.01	---	5,530	---	---	0.000	0.646	0.0%	---	---	0.00	0.28	0.0%	---
24-Feb	10.8	0.63	0.63	---	---	---	---	25		---	0.06	<0.01	---	5,030	11.49	2.56	0.008	0.654	0.8%	65%	78%	0.00	0.28	0.0%	55%
27-Feb	10.4	0.53	0.53	0.00	0.00	0.00	0.21	---	---	---	<0.01	<0.01	---	5,030	---	---	0.000	0.654	0.0%	---	---	0.00	0.28	0.0%	---
27-Feb	10.7	0.48	0.48	---	---	---	---	28		---	0.04	<0.01	---	5,650	12.91	2.70	0.006	0.659	0.6%	66%	78%	0.00	0.28	0.0%	55%
28-Feb	10.6	0.40	0.40	0.00	0.00	0.00	0.21	---	---	---	<0.01	<0.01	---	5,650	---	---	0.000	0.659	0.0%	---	---	0.00	0.28	0.0%	---
28-Feb	10.9	0.45	0.45	---	---	---	---	29		---	0.08	0.01	---	4,370	9.98	2.81	0.009	0.668	0.9%	66%	79%	0.00	0.29	0.2%	55%
29-Feb	10.7	0.38	0.38	0.00	0.00	1.90	0.22	---	900	---	<0.01	<0.01	---	4,370	---	---	0.000	0.668	0.0%	---	---	0.00	0.29	0.0%	---
29-Feb	11.0	0.43	0.43	---	---	---	---	30		---	0.04	<0.01	6.60	4,830	11.03	2.93	0.005	0.673	0.5%	67%	80%	0.00	0.29	0.0%	55%
1-Mar	10.9	0.41	0.41	0.00	0.00	0.00	0.28	---	---	---	<0.01	<0.01	---	4,830	---	---	0.000	0.673	0.0%	---	---	0.00	0.29	0.0%	---
1-Mar	11.2	0.52	0.52	---	---	---	---	31		---	0.02	<0.01	---	5,820	13.29	3.08	0.003	0.676	0.3%	67%	80%				

Project:	Eagle Gold															Head Screen, gms Au/MT:		1.077			gms Ag/MT:	0.56			
Sample Description:	Environmental Composite															Head Assay, gms Au/MT:		1.041			gms Ag/MT:	0.62			
Test No.:	63322	Columns run at 3°C to 4°C														Extracted, gms Au/MT:		0.841			gms Ag/MT:	0.33			
Sample I.D.:	48158															Tail Assay, gms Au/MT:		0.165			gms Ag/MT:	0.19			
Initial Ht., meters:	1.56															Calculated Head, gms Au/MT:		1.006			gms Ag/MT:	0.52			
Crush Size, mm:	9.5															Est. Weight of Sample, kg:		39.28							
Column I.D., meters:	0.152															Column Surface Area, square meters:		0.018							
																Cement Addition, grams:		118.86			kg/MT:	3.03			
																Hydrated Lime Addition, grams:		0.00			kg/MT:	0.00			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Date	pH, units	Free NaCN, g/L	Total NaCN, g/L	Ca(OH) ₂ Added, grams	Cum. Lime Added, kg/MT	NaCN Added, grams	Cum. NaCN Consumed, kg/MT	Days Run	Water Added, grams	Carbon Bottle	Au, mg/L	Ag, mg/L	Cu, mg/L	Volume, mL	Flow Rate Preg. L/Hr/M ²	Cum. T Soln. / T Ore	Solution, gms Au/MT	Solution Cumulative Extraction, gms Au/MT	Extracted Gold Solution	Cumulative Extracted Gold Solution	Percent of Total Extracted Gold	Solution, gms Ag/MT	Solution Cumulative Extraction, gms Ag/MT	Extracted Silver Solution	Cumulative Extracted Silver Solution
20-Mar	10.4	0.45	0.45	—	—	—	—	50	5,300	—	0.02	0.01	—	5,300	12.11	4.73	0.003	0.723	0.3%	72%	86%	0.00	0.30	0.3%	58%
21-Mar	10.4	0.40	0.40	0.00	0.00	5.30	0.43	51	—	—	<0.01	<0.01	—	5,300	—	—	0.000	0.723	0.0%	72%	86%	0.00	0.30	0.0%	—
21-Mar	10.8	0.42	0.42	—	—	—	—	—	—	—	0.01	<0.01	4.77	5,680	12.97	4.88	0.001	0.724	0.1%	72%	86%	0.00	0.30	0.0%	58%
22-Mar	10.8	0.30	0.30	0.00	0.00	1.70	0.54	—	—	—	<0.01	<0.01	—	5,680	—	—	0.000	0.724	0.0%	—	—	0.00	0.30	0.0%	—
22-Mar	11.0	0.68	0.68	—	—	—	—	52	—	—	0.02	0.02	—	4,540	10.37	4.99	0.002	0.727	0.2%	72%	86%	0.00	0.30	0.4%	58%
23-Mar	10.9	0.60	0.60	0.00	0.00	0.00	0.56	—	—	—	<0.01	<0.01	—	4,540	—	—	0.000	0.727	0.0%	—	—	0.00	0.30	0.0%	—
23-Mar	11.1	0.78	0.78	—	—	—	—	53	—	—	0.02	<0.01	—	5,700	13.02	5.14	0.003	0.729	0.3%	73%	87%	0.00	0.30	0.0%	58%
26-Mar	10.7	0.61	0.61	0.00	0.00	0.00	0.49	—	—	—	<0.01	<0.01	—	5,700	—	—	0.000	0.729	0.0%	—	—	0.00	0.30	0.0%	—
26-Mar	10.7	0.53	0.53	—	—	—	—	56	—	—	0.01	<0.01	—	4,910	11.22	5.26	0.001	0.731	0.1%	73%	87%	0.00	0.30	0.0%	58%
27-Mar	10.7	0.40	0.40	0.00	0.00	0.00	0.49	—	—	—	<0.01	<0.01	—	4,910	—	—	0.000	0.731	0.0%	—	—	0.00	0.30	0.0%	—
27-Mar	10.8	0.60	0.60	—	—	—	—	57	—	—	0.06	0.01	—	4,470	10.21	5.38	0.007	0.738	0.2%	73%	88%	0.00	0.30	0.2%	58%
28-Mar	10.7	0.51	0.51	0.00	0.00	0.80	0.51	—	800	—	<0.01	<0.01	—	4,470	—	—	0.000	0.738	0.0%	—	—	0.00	0.30	0.0%	—
28-Mar	10.8	0.52	0.52	—	—	—	—	58	—	—	0.02	0.01	4.39	5,000	11.42	5.50	0.003	0.740	0.3%	74%	88%	0.00	0.30	0.2%	59%
29-Mar	10.7	0.40	0.40	0.00	0.00	0.00	0.51	—	—	—	<0.01	<0.01	—	5,000	—	—	0.000	0.740	0.0%	—	—	0.00	0.30	0.0%	—
29-Mar	10.8	0.43	0.43	—	—	—	—	59	—	—	0.01	0.01	—	4,970	11.35	5.63	0.001	0.741	0.1%	74%	88%	0.00	0.31	0.2%	59%
2-Apr	10.5	0.30	0.30	0.00	0.00	1.50	0.51	—	—	—	<0.01	<0.01	—	4,970	—	—	0.000	0.741	0.0%	—	—	0.00	0.31	0.0%	—
2-Apr	10.5	0.35	0.35	—	—	—	—	63	—	—	0.02	<0.01	—	5,100	11.65	5.76	0.003	0.744	0.3%	74%	88%	0.00	0.31	0.0%	59%
3-Apr	10.6	0.25	0.25	0.00	0.00	1.80	0.56	—	—	—	<0.01	<0.01	—	5,100	—	—	0.000	0.744	0.0%	—	—	0.00	0.31	0.0%	—
3-Apr	10.7	0.35	0.35	—	—	—	—	64	—	—	0.03	0.01	—	4,280	9.78	5.87	0.003	0.747	0.3%	74%	89%	0.00	0.31	0.2%	59%
4-Apr	10.7	0.26	0.26	0.00	0.00	2.50	0.60	—	1,000	—	<0.01	<0.01	—	4,280	—	—	0.000	0.747	0.0%	—	—	0.00	0.31	0.0%	—
4-Apr	10.8	0.47	0.47	—	—	—	—	65	—	—	0.01	0.01	4.17	4,770	10.90	5.99	0.001	0.748	0.1%	74%	89%	0.00	0.31	0.2%	59%
5-Apr	10.7	0.34	0.34	0.00	0.00	1.20	0.64	—	—	—	<0.01	<0.01	—	4,770	—	—	0.000	0.748	0.0%	—	—	0.00	0.31	0.0%	—
5-Apr	10.8	0.75	0.75	—	—	—	—	66	—	—	0.01	<0.01	—	4,960	11.33	6.12	0.001	0.750	0.1%	75%	89%	0.00	0.31	0.0%	59%
6-Apr	10.7	0.58	0.58	0.00	0.00	0.00	0.60	—	—	—	<0.01	<0.01	—	4,960	—	—	0.000	0.750	0.0%	—	—	0.00	0.31	0.0%	—
6-Apr	10.5	0.44	0.44	—	—	—	—	67	—	—	<0.01	<0.01	—	3,870	8.84	6.22	0.000	0.750	0.0%	75%	89%	0.00	0.31	0.0%	59%
9-Apr	10.4	0.38	0.38	0.00	0.00	2.30	0.60	—	1,400	—	<0.01	<0.01	—	3,870	—	—	0.000	0.750	0.0%	—	—	0.00	0.31	0.0%	—
9-Apr	10.7	0.56	0.56	—	—	—	—	70	—	—	0.02	0.01	—	4,860	11.10	6.34	0.002	0.752	0.2%	75%	89%	0.00	0.31	0.2%	60%
10-Apr	10.4	0.40	0.40	0.00	0.00	0.00	0.66	—	—	—	<0.01	<0.01	—	4,860	—	—	0.000	0.752	0.0%	—	—	0.00	0.31	0.0%	—
10-Apr	10.5	0.61	0.61	—	—	—	—	71	—	—	0.03	0.01	—	4,280	9.78	6.45	0.003	0.755	0.3%	75%	90%	0.00	0.31	0.2%	60%
11-Apr	10.5	0.48	0.48	0.00	0.00	1.00	0.63	—	100	—	<0.01	<0.01	—	4,280	—	—	0.000	0.755	0.0%	—	—	0.00	0.31	0.0%	—
11-Apr	10.4	0.41	0.41	—	—	—	—	72	—	—	<0.01	<0.01	3.75	4,680	10.69	6.57	0.000	0.755	0.0%	75%	90%	0.00	0.31	0.0%	60%
12-Apr	10.5	0.40	0.40	0.00	0.00	0.00	0.66	—	—	—	<0.01	<0.01	—	4,680	—	—	0.000	0.755	0.0%	—	—	0.00	0.31	0.0%	—
12-Apr	10.5	0.45	0.45	—	—	—	—	73	—	—	0.02	<0.01	—	5,050	11.54	6.70	0.003	0.758	0.3%	75%	90%	0.00	0.31	0.0%	60%
13-Apr	10.5	0.40	0.40	0.00	0.00	0.00	0.65	—	—	—	<0.01	<0.01	—	5,050	—	—	0.000	0.758	0.0%	—	—	0.00	0.31	0.0%	—
13-Apr	10.5	0.38	0.38	—	—	—	—	74	—	—	0.02	<0.01	—	4,280	9.78	6.81	0.002	0.760	0.2%	76%	90%	0.00	0.31	0.0%	60%
16-Apr	10.3	0.25	0.25	0.00	0.00	2.50	0.66	—	1,000	—	<0.01	<0.01	—	4,280	—	—	0.000	0.760	0.0%	—	—	0.00	0.31	0.0%	—
16-Apr	10.2	0.32	0.32	—	—	—	—	77	—	—	0.01	<0.01	—	4,480	10.23	6.92	0.001	0.761	0.1%	76%	91%	0.00	0.31	0.0%	60%
17-Apr	10.1	0.25	0.25	0.00	0.00	2.40	0.74	—	800	—	<0.01	<0.01	—	4,480	—	—	0.000	0.761	0.0%	—	—	0.00	0.31	0.0%	—
17-Apr	10.2	0.38	0.38	—	—	—	—	78	—	—	0.03	0.01	—	5,030	11.49	7.05	0.004	0.765	0.4%	76%	91%	0.00	0.31	0.2%	60%
18-Apr	10.4	0.34	0.34	0.00	0.00	1.30	0.78	—	—	—	<0.01	<0.01	—	5,030	—	—	0.000	0.765	0.0%	—	—	0.00	0.31	0.0%	—
18-Apr	10.3	0.54	0.54	—	—	—	—	79	—	—	<0.01	<0.01	3.58	4,470	10.21	7.16	0.000	0.765	0.0%	76%	91%	0.00	0.31	0.0%	60%
19-Apr	10.5	0.40	0.40	0.00	0.00	0.80	0.78	—	800	—	<0.01	<0.01	—	4,470	—	—	0.000	0.765	0.0%	—	—	0.00	0.31	0.0%	—
19-Apr	10.4	0.33	0.33	—	—	—	—	80	—	—	0.03	0.01	—	5,060	11.56	7.29	0.004	0.769	0.4%	76%	91%	0.00	0.31	0.2%	60%
20-Apr	10.3	0.25	0.25	0.00	0.00	1.80	0.80	—	—	—	<0.01	<0.01	—	5,060	—	—	0.000	0.769	0.0%	—	—	0.00	0.31	0.0%	—
20-Apr	10.4	0.38	0.38	—	—	—	—	81	—	—	<0.01	<0.01	—	4,800	10.96	7.41	0.000	0.769	0.0%	76%	91%	0.00	0.31	0.0%	60%
23-Apr	10.3	0.23	0.23	0.00	0.00	1.80	0.84	—	—	—	<0.01	<0.01	—	4,800	—	—	0.000	0.769	0.0%	—	—	0.00	0.31	0.0%	—
23-Apr	10.2	0.39	0.39	—	—																				

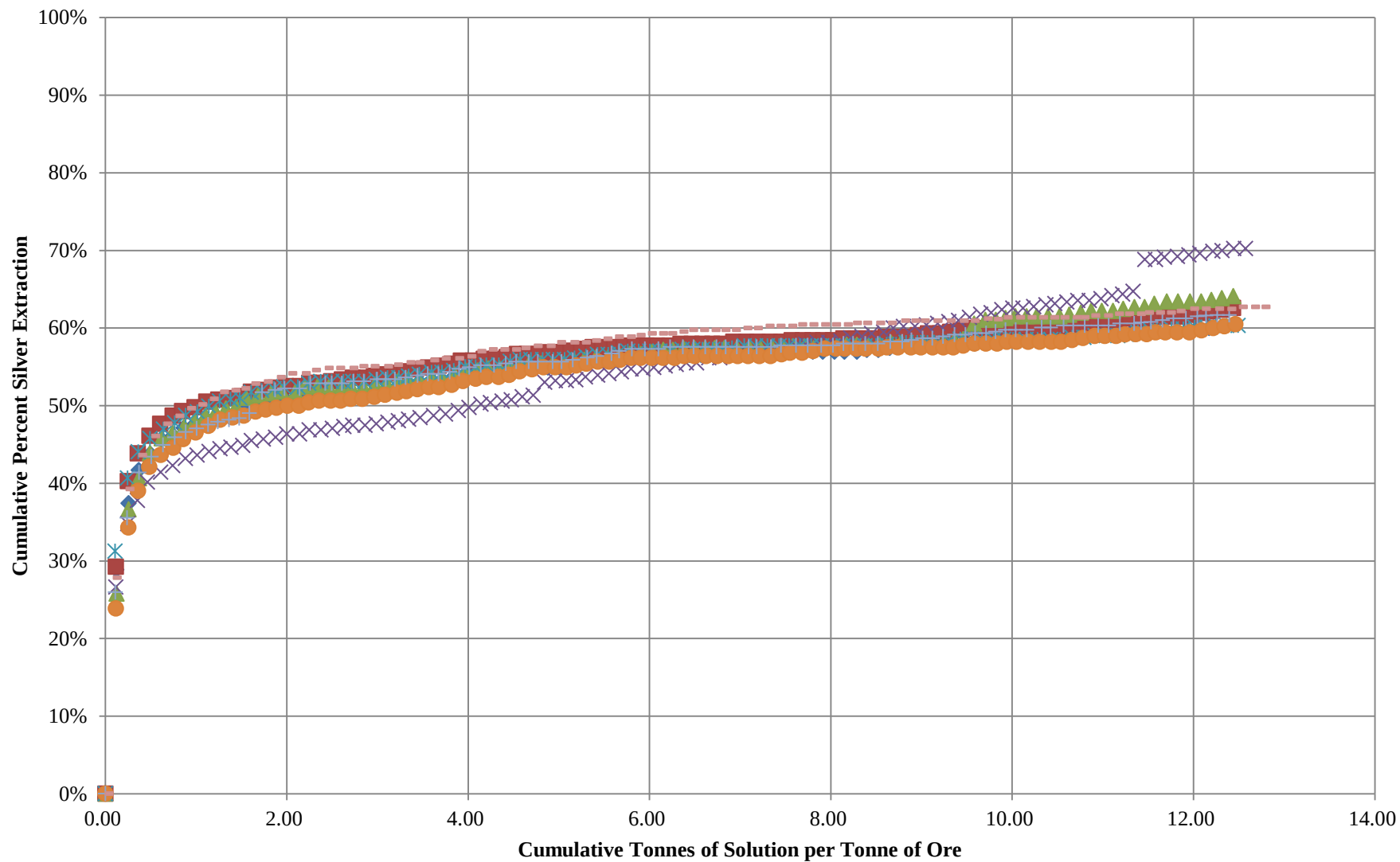
doc.file: EG05_CTL_23/63322 page 26 of 30 date: 12/16/2013

Eagle Gold Project



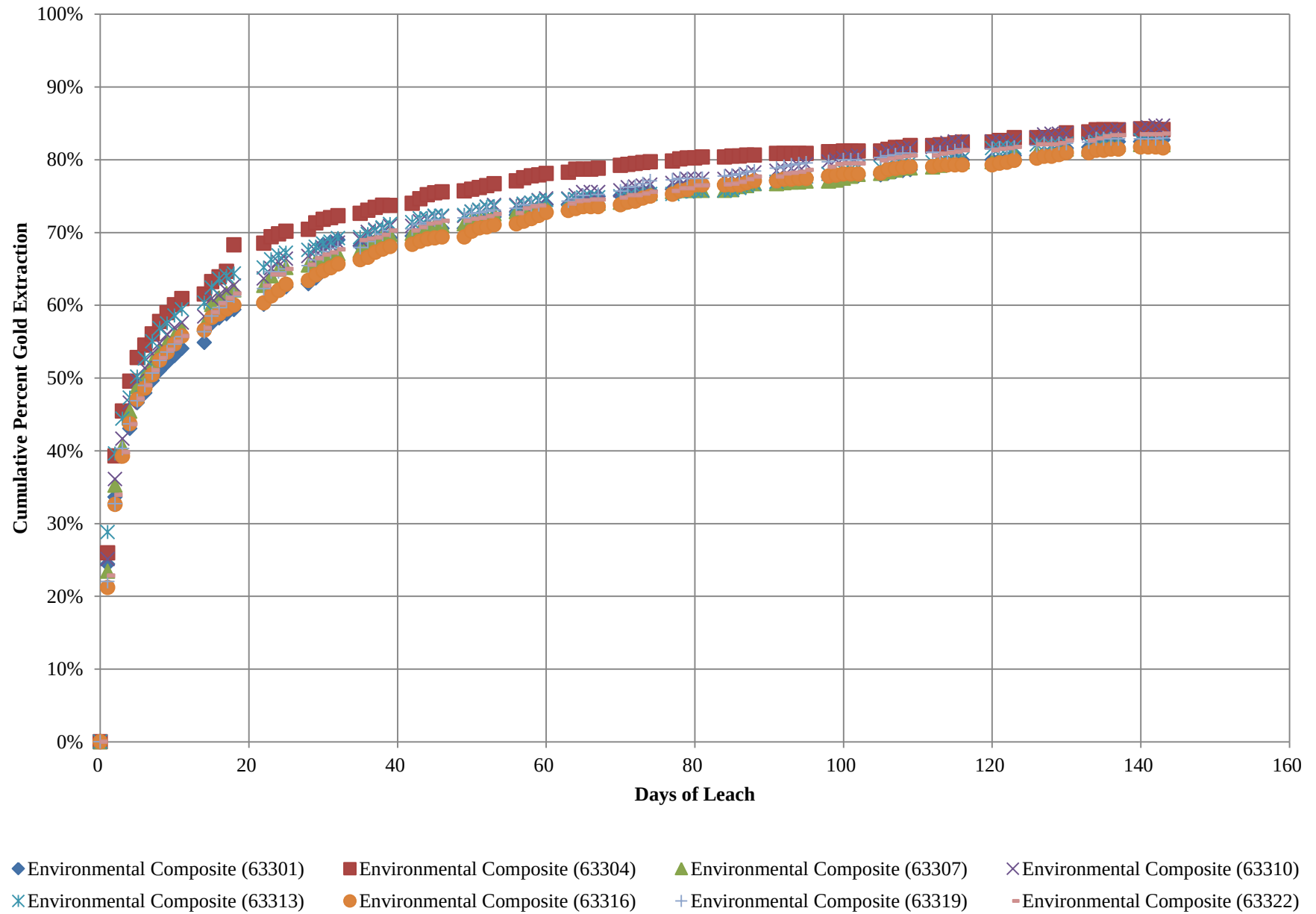
◆ Environmental Composite (63301) ■ Environmental Composite (63304) ▲ Environmental Composite (63307) ✕ Environmental Composite (63310)
 ✕ Environmental Composite (63313) ● Environmental Composite (63316) + Environmental Composite (63319) - Environmental Composite (63322)

Eagle Gold Project

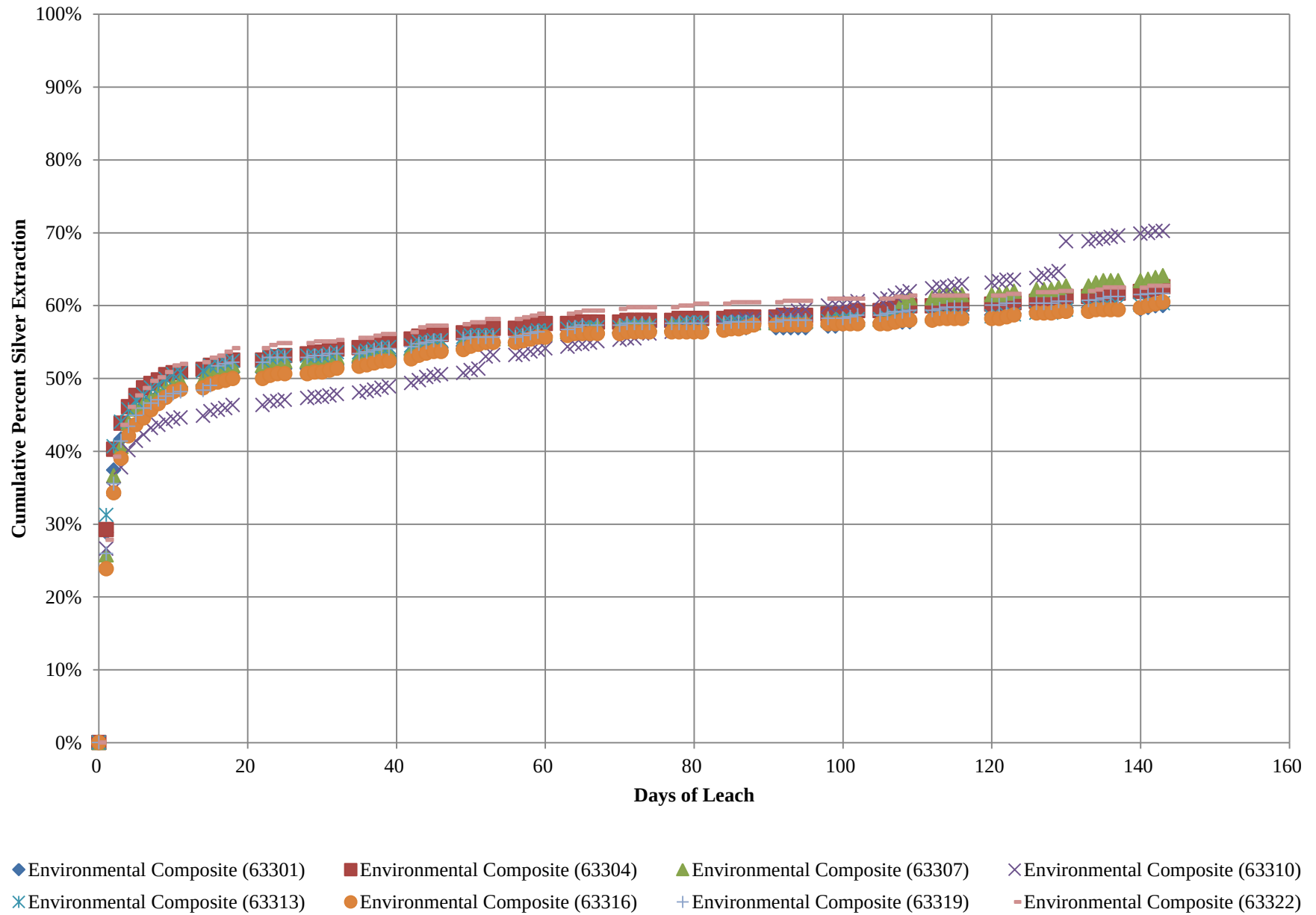


◆ Environmental Composite (63301) ■ Environmental Composite (63304) ▲ Environmental Composite (63307) ✕ Environmental Composite (63310)
 ✕ Environmental Composite (63313) ● Environmental Composite (63316) + Environmental Composite (63319) - Environmental Composite (63322)

Eagle Gold Project



Eagle Gold Project



**Eagle Gold Project
Report of Metallurgical Test Work
December 2013
Appendix B: Volume 1
(06 April 2012 - 03 July 2012)**

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Prepared by:



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Project No. 366C

Report I.D.: KCA0120021_EG05_01

File: 8166

Appendix B: Volume 1

Report Data (WETLAB and SEM)

Report Dates: 06 April 2012 through 03 July 2012

4/6/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1204007

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 4/2/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1204007

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1204007-011,018,025 Manganese

1204007-023 Chromium

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 4/6/2012

OrderID: 1204007

Customer Sample ID: 63515 A

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-001

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	24	mg/L	1.0	4/2/2012
Fluoride	EPA 300.0	1.2	mg/L	1.0	4/2/2012
Sulfate	EPA 300.0	55	mg/L	10	4/2/2012
Nitrate Nitrogen	EPA 300.0	0.44	mg/L	0.25	4/2/2012
Nitrite Nitrogen	EPA 300.0	<0.25	mg/L	0.25	4/2/2012
Aluminum	EPA 200.7	1.1	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.018	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.060	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	6.9	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.019	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Copper	EPA 200.7	9.3	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.19	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.53	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	16	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	0.12	mg/L	0.050	4/5/2012
Sodium	EPA 200.7	330	mg/L	0.50	4/4/2012

Customer Sample ID: 63515 A
WETLAB Sample ID: 1204007-001

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Strontium	EPA 200.7	1.6	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	11	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0047	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.019	mg/L	0.0025	4/3/2012
Arsenic	EPA 200.8	0.023	mg/L	0.0050	4/3/2012
Lead	EPA 200.8	<0.0025	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.091	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63515 B
WETLAB Sample ID: 1204007-002

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/2/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	4/2/2012
Sulfate	EPA 300.0	240	mg/L	10	4/2/2012
Nitrate Nitrogen	EPA 300.0	0.52	mg/L	0.25	4/2/2012
Nitrite Nitrogen	EPA 300.0	0.64	mg/L	0.25	4/2/2012
Aluminum	EPA 200.7	0.40	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.022	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	15	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0087	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	4/4/2012
Copper	EPA 200.7	8.3	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.0	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.19	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012

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Customer Sample ID: 63515 B
WETLAB Sample ID: 1204007-002

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	18	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	420	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.80	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.5	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0040	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.19	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.3	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0060	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.037	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63515 C
WETLAB Sample ID: 1204007-003

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/2/2012
Fluoride	EPA 300.0	2.1	mg/L	1.0	4/2/2012
Sulfate	EPA 300.0	220	mg/L	10	4/2/2012
Nitrate Nitrogen	EPA 300.0	0.47	mg/L	0.25	4/2/2012
Nitrite Nitrogen	EPA 300.0	0.54	mg/L	0.25	4/2/2012
Aluminum	EPA 200.7	0.31	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.012	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	14	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0083	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.25	mg/L	0.010	4/4/2012
Copper	EPA 200.7	5.8	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.8	mg/L	0.010	4/4/2012

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Customer Sample ID: 63515 C
WETLAB Sample ID: 1204007-003

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	1.2	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	0.52	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	31	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	410	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.73	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	5.7	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0039	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.17	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	0.89	mg/L	0.0050	4/3/2012
Lead	EPA 200.8	0.014	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.032	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63515 D
WETLAB Sample ID: 1204007-004

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/2/2012
Fluoride	EPA 300.0	2.4	mg/L	1.0	4/2/2012
Sulfate	EPA 300.0	270	mg/L	10	4/2/2012
Nitrate Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/2/2012
Nitrite Nitrogen	EPA 300.0	0.63	mg/L	0.25	4/2/2012
Aluminum	EPA 200.7	0.36	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.016	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.020	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	14	mg/L	0.50	4/4/2012

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Customer Sample ID: 63515 D
WETLAB Sample ID: 1204007-004

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.7	0.0064	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.25	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.2	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.3	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	16	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	460	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.83	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.13	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.5	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0038	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.24	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.8	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0078	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.038	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63515 E
WETLAB Sample ID: 1204007-005

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.4	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	250	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.49	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.61	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.37	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.012	mg/L	0.010	4/4/2012

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Customer Sample ID: 63515 E
WETLAB Sample ID: 1204007-005

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.018	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	12	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0056	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.24	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.7	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.3	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	17	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	480	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.86	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.0	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0036	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.24	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.9	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0041	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.035	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63515 F
WETLAB Sample ID: 1204007-006

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	21	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.6	mg/L	1.0	4/3/2012

Customer Sample ID: 63515 F
WETLAB Sample ID: 1204007-006

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sulfate	EPA 300.0	260	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.49	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.60	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.32	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.014	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.021	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	15	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.22	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.0	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.6	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	15	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	490	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.78	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.0	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0036	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.27	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.5	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0041	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.036	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63515 G

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-007

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	21	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.5	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	260	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.52	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.56	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.38	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.020	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.020	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	15	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.23	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.6	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.8	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	16	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	530	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.87	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.2	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0038	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.29	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.6	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.011	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.039	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63516 A
WETLAB Sample ID: 1204007-008

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	26	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	1.2	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	73	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.42	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	<0.25	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.96	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.020	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.064	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	9.0	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.014	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Copper	EPA 200.7	10	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.33	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.22	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.62	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	17	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	0.17	mg/L	0.050	4/5/2012
Sodium	EPA 200.7	340	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	2.0	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	12	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0055	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.019	mg/L	0.0025	4/3/2012
Arsenic	EPA 200.8	0.029	mg/L	0.0050	4/3/2012
Lead	EPA 200.8	<0.0025	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.10	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63516 B

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-009

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.1	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	240	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.33	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.33	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.020	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	7.7	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.25	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.4	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.7	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	17	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	430	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.82	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.10	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.8	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0033	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.18	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	0.90	mg/L	0.0050	4/3/2012
Lead	EPA 200.8	0.0051	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.035	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63516 C

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-010

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.1	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	230	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.47	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.38	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.34	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.015	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.012	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	17	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0063	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.2	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.9	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	0.79	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.19	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	23	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	420	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.84	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.11	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	6.2	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0036	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.17	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	0.99	mg/L	0.0050	4/3/2012
Lead	EPA 200.8	0.011	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.027	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63516 D

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-011

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	24	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.5	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	290	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.43	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.33	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.021	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	7.0	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0050	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.30	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.3	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	3.8	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.025	mg/L	0.025	4/4/2012
Molybdenum	EPA 200.7	0.22	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	16	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	480	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.68	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.13	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.2	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0044	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.24	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.1	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0044	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.032	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63516 E

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-012

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	270	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.48	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.45	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.34	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.014	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.020	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	12	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.5	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	3.7	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.21	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	18	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	550	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.98	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.1	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0041	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.24	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.6	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0048	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.030	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63516 F
WETLAB Sample ID: 1204007-013

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.6	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	290	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.45	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.32	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.017	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.025	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	13	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.4	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	4.3	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.0087	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.21	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	16	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	580	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.87	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.9	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0040	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.27	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.3	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0054	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.034	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63516 G
WETLAB Sample ID: 1204007-014

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.4	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	290	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.52	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.47	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.31	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.021	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.024	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	21	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0053	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.3	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	4.1	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.21	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	16	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	550	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.99	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.8	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0041	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.24	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.0	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.012	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.033	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63517 A

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-015

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	1.1	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	59	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.42	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	<0.25	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	1.1	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.040	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.063	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	30	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.017	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.13	mg/L	0.010	4/4/2012
Copper	EPA 200.7	8.5	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.19	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.51	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	17	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	0.10	mg/L	0.050	4/5/2012
Sodium	EPA 200.7	340	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	2.8	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	12	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0050	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.019	mg/L	0.0025	4/3/2012
Arsenic	EPA 200.8	0.019	mg/L	0.0050	4/3/2012
Lead	EPA 200.8	<0.0025	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.089	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63517 B

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-016

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.5	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	250	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.49	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.42	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.44	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.018	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.023	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	5.0	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0092	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.29	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.4	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.6	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.0085	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.20	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	13	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	390	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.59	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.2	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0035	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.20	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.6	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.010	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.046	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63517 C

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-017

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	21	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	1.9	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	220	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.46	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.31	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.32	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.013	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.016	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	20	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0090	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.8	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.5	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	1.0	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.20	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	24	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	420	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.88	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.11	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.0	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0032	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.18	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	0.89	mg/L	0.0050	4/3/2012
Lead	EPA 200.8	0.0086	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.042	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63517 D
WETLAB Sample ID: 1204007-018

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.6	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	280	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.38	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.015	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.021	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	13	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0087	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.29	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.9	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	3.2	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.025	mg/L	0.025	4/4/2012
Molybdenum	EPA 200.7	0.21	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.012	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	13	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	440	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.76	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.9	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0039	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.24	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.0	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0073	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.042	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63517 E

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-019

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.4	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	280	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.47	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.33	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.016	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.019	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	25	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0085	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.24	mg/L	0.010	4/4/2012
Copper	EPA 200.7	5.7	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.6	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.20	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.016	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	13	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	490	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	1.1	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.13	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.4	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0026	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.20	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.5	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0043	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.027	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63517 F

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-020

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.6	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	290	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.46	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.32	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.012	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.025	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	15	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0054	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.6	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	3.6	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.20	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	13	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	520	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.81	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.6	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0038	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.30	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.6	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0054	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.032	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63517 G

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-021

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	21	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.4	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	270	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.51	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.46	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.72	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.11	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.023	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	15	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0094	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.4	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	4.4	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.072	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.19	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.021	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	12	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	470	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.75	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.0	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0040	mg/L	0.00010	4/3/2012
Antimony	EPA 200.8	0.26	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.3	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.073	mg/L	0.0025	4/3/2012
Selenium	EPA 200.8	0.030	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/3/2012

Customer Sample ID: 63518 A

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-022

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	26	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	1.2	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	69	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.43	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	<0.25	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	1.1	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.030	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.068	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	18	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.014	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Copper	EPA 200.7	10	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.10	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.22	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.65	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	17	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	0.13	mg/L	0.050	4/5/2012
Sodium	EPA 200.7	310	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	2.4	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	13	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0058	mg/L	0.0002	4/4/2012
Antimony	EPA 200.8	0.024	mg/L	0.0025	4/4/2012
Arsenic	EPA 200.8	0.021	mg/L	0.010	4/4/2012
Lead	EPA 200.8	<0.0025	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.11	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0020	mg/L	0.0020	4/4/2012

Customer Sample ID: 63518 B

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-023

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.2	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	250	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.49	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.43	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.35	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.021	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	6.9	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	<0.025	mg/L	0.025	4/4/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	4/4/2012
Copper	EPA 200.7	8.3	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.4	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.20	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	16	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	430	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.78	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.6	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0040	mg/L	0.0005	4/4/2012
Antimony	EPA 200.8	0.20	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.2	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0059	mg/L	0.0050	4/4/2012
Selenium	EPA 200.8	0.035	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0050	mg/L	0.0050	4/4/2012

Customer Sample ID: 63518 C

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-024

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.2	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	240	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.48	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.39	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.31	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.011	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.011	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	16	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0059	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.5	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.5	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	1.2	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.20	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	0.65	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	25	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	400	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.74	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	6.3	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0035	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.20	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	0.032	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0050	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.032	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63518 D

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-025

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	24	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.6	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	300	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.52	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.46	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.40	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.022	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.020	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	19	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0051	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	4/4/2012
Copper	EPA 200.7	8.0	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.8	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.025	mg/L	0.025	4/4/2012
Molybdenum	EPA 200.7	0.22	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	15	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	460	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.90	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.3	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0043	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.25	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.9	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.012	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.038	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63518 E
WETLAB Sample ID: 1204007-026

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.5	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	290	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.52	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.46	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.39	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.020	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.019	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	21	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0052	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.7	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.7	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.21	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	15	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	470	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.98	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.13	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.0	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0043	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.24	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.7	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0073	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.031	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63518 F

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-027

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.7	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	310	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.52	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.46	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.29	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.016	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.021	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	17	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.8	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.8	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.20	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	13	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	500	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.89	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.3	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0042	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.28	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.4	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0061	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.032	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63518 G

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-028

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.5	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	310	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.52	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.29	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.018	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.023	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	31	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.29	mg/L	0.010	4/4/2012
Copper	EPA 200.7	8.4	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.0	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.22	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	14	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	540	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	1.1	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.13	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.9	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0045	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.28	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.3	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0048	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.036	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63519 A

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-029

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	24	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	1.1	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	60	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.43	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	<0.25	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	1.2	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.033	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.066	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	16	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.013	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.19	mg/L	0.010	4/4/2012
Copper	EPA 200.7	9.6	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.076	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.21	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.67	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	17	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	0.12	mg/L	0.050	4/5/2012
Sodium	EPA 200.7	350	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	2.8	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	13	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0046	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.021	mg/L	0.0025	4/4/2012
Arsenic	EPA 200.8	0.017	mg/L	0.0050	4/4/2012
Lead	EPA 200.8	<0.0025	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.10	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63519 B

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-030

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	250	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.48	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.40	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.42	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.019	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	12	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0079	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.29	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.3	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.6	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.20	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.012	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	21	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	450	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.87	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.6	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0030	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.19	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.2	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0056	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.028	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63519 C

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-031

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.2	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	240	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.49	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.40	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.35	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.015	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	5.9	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0080	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.6	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.6	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	0.70	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.20	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	63	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	430	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.61	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.13	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	6.7	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0033	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.17	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.2	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.013	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.026	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63519 D

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-032

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.7	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	280	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.44	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.38	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.016	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	17	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0065	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.29	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.6	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.9	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.20	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	13	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	490	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.88	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	6.6	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0041	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.25	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.1	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0047	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.025	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63519 E
WETLAB Sample ID: 1204007-033

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.5	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	280	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.41	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.35	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.011	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.018	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	17	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0059	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.1	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.9	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.19	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	13	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	500	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.89	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.2	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0039	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.23	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.8	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0048	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.024	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63519 F

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-034

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.9	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	300	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.51	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.32	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.013	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.024	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	24	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0057	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.30	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.6	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.3	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.20	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.029	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	13	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	570	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.92	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.3	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0045	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.32	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	3.2	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0078	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.025	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63519 G

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-035

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.6	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	300	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.52	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.60	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.29	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.015	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.023	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	28	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0060	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.4	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.2	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.20	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.021	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	13	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	590	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	1.1	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	8.0	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0047	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.29	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.5	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0082	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.036	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63520 A
WETLAB Sample ID: 1204007-036

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	1.2	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	51	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.41	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	<0.25	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	1.2	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.032	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.057	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	12	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.019	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.15	mg/L	0.010	4/4/2012
Copper	EPA 200.7	8.2	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.12	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.56	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	16	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	0.098	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	340	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	2.3	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	10	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0047	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.023	mg/L	0.0025	4/4/2012
Arsenic	EPA 200.8	0.022	mg/L	0.0050	4/4/2012
Lead	EPA 200.8	<0.0025	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.080	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63520 B

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-037

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	25	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.2	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	230	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.48	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.36	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.48	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.020	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	12	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0072	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.3	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.4	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	15	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	440	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.78	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.13	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.3	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0034	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.22	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.4	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0034	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.024	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63520 C

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-038

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	26	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.1	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	220	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.49	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.40	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.41	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.014	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	19	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0074	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.9	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.3	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	0.82	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	1.2	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	74	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	430	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.76	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	6.5	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0032	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.21	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.3	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0064	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.022	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63520 D

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-039

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	26	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.6	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	260	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.51	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.42	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.45	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.019	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	8.8	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0063	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.6	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.8	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.19	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	14	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	500	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.65	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.7	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0040	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.29	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.5	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.019	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.024	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63520 E
WETLAB Sample ID: 1204007-040

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	25	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.5	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	260	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.43	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.44	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.017	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	7.2	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0060	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.2	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.7	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	14	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	500	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.70	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	6.9	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0037	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.27	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.1	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0061	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.025	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63520 F

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-041

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	26	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.7	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	290	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.54	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.46	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.36	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.018	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	8.8	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0051	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	4/4/2012
Copper	EPA 200.7	7.4	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.0	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.010	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	14	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	530	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.66	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.2	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0042	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.31	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.7	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0030	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.025	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63520 G
WETLAB Sample ID: 1204007-042

Collect Date/Time: 4/2/2012 12:00

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	29	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.7	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	290	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.51	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.45	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.38	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.017	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	8.1	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.0052	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.6	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	2.0	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	14	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	530	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.62	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	6.6	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0038	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.31	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.8	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0063	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.030	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63521 A

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-043

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	24	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	1.1	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	30	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.43	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	<0.25	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.57	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.023	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.038	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	9.1	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.017	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.6	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.042	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.47	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	11	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	0.17	mg/L	0.050	4/6/2012
Sodium	EPA 200.7	300	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	2.5	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.9	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0035	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.0087	mg/L	0.0025	4/4/2012
Arsenic	EPA 200.8	0.014	mg/L	0.0050	4/4/2012
Lead	EPA 200.8	<0.0025	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.083	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63521 B

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-044

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	25	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	1.9	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	130	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	1.4	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.36	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.23	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.0039	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	4.7	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.014	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Copper	EPA 200.7	3.6	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.64	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.027	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.11	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	10	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	340	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.50	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	2.2	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0022	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.075	mg/L	0.0025	4/4/2012
Arsenic	EPA 200.8	0.90	mg/L	0.0050	4/4/2012
Lead	EPA 200.8	0.0049	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.019	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63521 C

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-045

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	25	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.0	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	130	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	1.3	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.39	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.23	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.0011	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	3.0	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.013	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Copper	EPA 200.7	2.0	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.67	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	0.56	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.11	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	1.1	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	55	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	310	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.27	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	1.1	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0019	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.087	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.3	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.016	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.019	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63521 D

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-046

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	1.9	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	160	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	1.2	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.39	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.20	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.0020	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	2.4	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.012	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Copper	EPA 200.7	2.6	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.82	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.022	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.10	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	7.3	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	360	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.40	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	1.4	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0022	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.12	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.6	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0075	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.015	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63521 E

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-047

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	1.9	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	150	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	1.2	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.42	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.19	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.0028	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	2.6	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.012	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Copper	EPA 200.7	3.1	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.83	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.063	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.10	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	7.8	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	380	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.43	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.13	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	1.8	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0024	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.12	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.5	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0055	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	<0.025	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63521 F

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-048

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	180	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	1.2	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.40	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.16	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.0038	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	3.2	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.011	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	4/4/2012
Copper	EPA 200.7	3.0	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.1	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.021	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.10	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	7.3	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	390	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.42	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	2.0	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0027	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.16	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.5	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0043	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	<0.025	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63521 G

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-049

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	22	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	180	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	1.1	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.44	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.16	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.0033	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	4.2	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.010	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.15	mg/L	0.010	4/4/2012
Copper	EPA 200.7	2.7	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.0	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.018	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.097	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	7.0	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	410	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.33	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	1.8	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0026	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.17	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.8	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0064	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	<0.025	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63522 A

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-050

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	25	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	1.1	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	32	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.48	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.26	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.60	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.018	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.034	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	7.1	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.020	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.18	mg/L	0.010	4/4/2012
Copper	EPA 200.7	6.6	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.024	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.44	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	11	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	0.18	mg/L	0.050	4/5/2012
Sodium	EPA 200.7	290	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	1.8	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	7.2	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0033	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.0070	mg/L	0.0025	4/4/2012
Arsenic	EPA 200.8	0.0086	mg/L	0.0050	4/4/2012
Lead	EPA 200.8	<0.0025	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.063	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63522 B

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-051

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	38	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.1	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	160	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.52	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	1.7	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.27	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.0062	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	1.6	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.022	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.24	mg/L	0.010	4/4/2012
Copper	EPA 200.7	5.4	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.77	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.0085	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	0.011	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	9.6	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	420	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.30	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.13	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	5.0	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0032	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.093	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.5	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0032	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	<0.025	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63522 C

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-052

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	36	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	1.6	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	150	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.50	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.96	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.20	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.0017	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	5.1	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.020	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.21	mg/L	0.010	4/4/2012
Copper	EPA 200.7	3.9	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.70	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	0.63	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.045	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	0.66	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	34	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	390	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.47	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	2.5	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0032	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.080	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.1	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0063	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	<0.025	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63522 D

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-053

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	37	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	180	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.52	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	1.5	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.21	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.0041	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	2.2	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.018	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.22	mg/L	0.010	4/4/2012
Copper	EPA 200.7	4.1	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.1	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.0072	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	7.5	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	410	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.35	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	3.8	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0033	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.13	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	2.2	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0061	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	<0.025	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63522 E

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-054

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	31	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.0	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	140	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.49	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	1.3	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.20	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.0035	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	1.7	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.014	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	4/4/2012
Copper	EPA 200.7	4.5	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	0.95	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.15	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.12	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	8.3	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	480	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.41	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	3.2	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0026	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.12	mg/L	0.0050	4/4/2012
Arsenic	EPA 200.8	1.7	mg/L	0.025	4/4/2012
Lead	EPA 200.8	0.0099	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	<0.025	mg/L	0.025	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63522 F

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-055

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	25	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.0	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	140	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.45	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	0.96	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.19	mg/L	0.045	4/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.0048	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	2.1	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.010	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.13	mg/L	0.010	4/4/2012
Copper	EPA 200.7	3.5	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.2	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.21	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.090	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	8.6	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	460	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.39	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	3.2	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0026	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.14	mg/L	0.010	4/4/2012
Arsenic	EPA 200.8	2.0	mg/L	0.050	4/4/2012
Lead	EPA 200.8	0.0054	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.010	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Customer Sample ID: 63522 G

Collect Date/Time: 4/2/2012 12:00

WETLAB Sample ID: 1204007-056

Receive Date: 4/2/2012 12:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	28	mg/L	1.0	4/3/2012
Fluoride	EPA 300.0	2.1	mg/L	1.0	4/3/2012
Sulfate	EPA 300.0	160	mg/L	10	4/3/2012
Nitrate Nitrogen	EPA 300.0	0.48	mg/L	0.25	4/3/2012
Nitrite Nitrogen	EPA 300.0	1.1	mg/L	0.25	4/3/2012
Aluminum	EPA 200.7	0.24	mg/L	0.045	4/4/2012
Barium	EPA 200.7	0.012	mg/L	0.010	4/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Cadmium	EPA 200.7	0.0058	mg/L	0.0010	4/4/2012
Calcium	EPA 200.7	4.1	mg/L	0.50	4/4/2012
Chromium	EPA 200.7	0.012	mg/L	0.0050	4/4/2012
Cobalt	EPA 200.7	0.15	mg/L	0.010	4/4/2012
Copper	EPA 200.7	3.5	mg/L	0.050	4/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Iron	EPA 200.7	1.4	mg/L	0.010	4/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Manganese	EPA 200.7	0.047	mg/L	0.0050	4/4/2012
Molybdenum	EPA 200.7	0.10	mg/L	0.010	4/4/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/4/2012
Potassium	EPA 200.7	7.9	mg/L	0.50	4/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/4/2012
Sodium	EPA 200.7	420	mg/L	0.50	4/4/2012
Strontium	EPA 200.7	0.31	mg/L	0.10	4/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/4/2012
Vanadium	EPA 200.7	0.13	mg/L	0.010	4/4/2012
Zinc	EPA 200.7	3.9	mg/L	0.010	4/4/2012
Mercury	EPA 200.8	0.0027	mg/L	0.00010	4/4/2012
Antimony	EPA 200.8	0.15	mg/L	0.010	4/4/2012
Arsenic	EPA 200.8	2.6	mg/L	0.050	4/4/2012
Lead	EPA 200.8	0.013	mg/L	0.0025	4/4/2012
Selenium	EPA 200.8	0.015	mg/L	0.0050	4/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	4/4/2012

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12040077	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12040077	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12040077	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12040078	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12040078	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12040078	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12040081	Blank 1	Chloride	EPA 300.0	<0.10	mg/L
QC12040081	Blank 2	Chloride	EPA 300.0	<0.10	mg/L
QC12040081	Blank 3	Chloride	EPA 300.0	<0.10	mg/L
QC12040082	Blank 1	Chloride	EPA 300.0	<0.10	mg/L
QC12040082	Blank 2	Chloride	EPA 300.0	<0.10	mg/L
QC12040086	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040086	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040086	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040088	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040088	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040089	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040089	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040089	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040090	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040090	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040092	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12040092	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12040092	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12040093	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12040093	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12040132	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
QC12040133	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
QC12040134	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
QC12040135	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12040136	Blank 1	Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
QC12040137	Blank 1	Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
QC12040138	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12040138	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12040138	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12040139	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12040139	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12040139	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12040141	Blank 1	Chloride	EPA 300.0	<0.10	mg/L
QC12040141	Blank 2	Chloride	EPA 300.0	<0.10	mg/L
QC12040141	Blank 3	Chloride	EPA 300.0	<0.10	mg/L
QC12040142	Blank 1	Chloride	EPA 300.0	<0.10	mg/L
QC12040142	Blank 2	Chloride	EPA 300.0	<0.10	mg/L
QC12040144	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040144	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040144	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040145	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040145	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040145	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040147	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040147	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040147	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040148	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040148	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040150	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12040150	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12040150	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12040151	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12040151	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12040151	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12040154	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12040155	Blank 1	Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
		Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12040156	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12040163	Blank 1	Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
		Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12040167	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
QC12040179	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12040180	Blank 1	Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
		Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12040181	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12040077	LCS 1	Fluoride	EPA 300.0	1.82	2.00	91	mg/L
QC12040078	LCS 1	Fluoride	EPA 300.0	1.82	2.00	91	mg/L
QC12040081	LCS 1	Chloride	EPA 300.0	10.4	10.0	104	mg/L
QC12040082	LCS 1	Chloride	EPA 300.0	10.4	10.0	104	mg/L
QC12040086	LCS 1	Nitrite Nitrogen	EPA 300.0	0.502	0.500	100	mg/L
QC12040088	LCS 1	Nitrite Nitrogen	EPA 300.0	0.502	0.500	100	mg/L
QC12040089	LCS 1	Nitrate Nitrogen	EPA 300.0	2.02	0.500	101	mg/L
QC12040090	LCS 1	Nitrate Nitrogen	EPA 300.0	2.02	0.500	101	mg/L
QC12040092	LCS 1	Sulfate	EPA 300.0	24.2	25.0	97	mg/L
QC12040093	LCS 1	Sulfate	EPA 300.0	24.2	25.0	97	mg/L
QC12040132	LCS 1	Mercury	EPA 200.8	0.001054	0.001	105	mg/L
		Antimony	EPA 200.8	0.0098	0.010	98	mg/L
		Arsenic	EPA 200.8	0.0488	0.050	98	mg/L
		Lead	EPA 200.8	0.0098	0.010	98	mg/L
		Selenium	EPA 200.8	0.0457	0.050	91	mg/L
		Thallium	EPA 200.8	0.0096	0.010	96	mg/L
QC12040133	LCS 1	Mercury	EPA 200.8	0.001054	0.001	105	mg/L
		Antimony	EPA 200.8	0.0098	0.010	98	mg/L
		Arsenic	EPA 200.8	0.0488	0.050	98	mg/L
		Lead	EPA 200.8	0.0098	0.010	98	mg/L
		Selenium	EPA 200.8	0.0457	0.050	91	mg/L
		Thallium	EPA 200.8	0.0096	0.010	96	mg/L
QC12040134	LCS 1	Mercury	EPA 200.8	0.001066	0.001	107	mg/L
		Antimony	EPA 200.8	0.0101	0.010	101	mg/L
		Arsenic	EPA 200.8	0.0546	0.050	109	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12040135	LCS 1	Lead	EPA 200.8	0.0101	0.010	101	mg/L
		Selenium	EPA 200.8	0.0426	0.050	85	mg/L
		Thallium	EPA 200.8	0.0101	0.010	101	mg/L
		Mercury	EPA 200.8	0.001066	0.001	107	mg/L
		Antimony	EPA 200.8	0.0101	0.010	101	mg/L
		Arsenic	EPA 200.8	0.0546	0.050	109	mg/L
QC12040136	LCS 1	Lead	EPA 200.8	0.0101	0.010	101	mg/L
		Selenium	EPA 200.8	0.0426	0.050	85	mg/L
		Thallium	EPA 200.8	0.0101	0.010	101	mg/L
		Mercury	EPA 200.8	0.001107	0.001	111	mg/L
		Antimony	EPA 200.8	0.0112	0.010	112	mg/L
		Arsenic	EPA 200.8	0.0544	0.050	109	mg/L
QC12040137	LCS 1	Lead	EPA 200.8	0.0104	0.010	104	mg/L
		Selenium	EPA 200.8	0.0455	0.050	91	mg/L
		Thallium	EPA 200.8	0.0106	0.010	106	mg/L
		Mercury	EPA 200.8	0.001107	0.001	111	mg/L
		Antimony	EPA 200.8	0.0112	0.010	112	mg/L
		Arsenic	EPA 200.8	0.0544	0.050	109	mg/L
QC12040138	LCS 1	Fluoride	EPA 300.0	1.94	2.00	97	mg/L
QC12040139	LCS 1	Fluoride	EPA 300.0	1.94	2.00	97	mg/L
QC12040141	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12040142	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12040144	LCS 1	Nitrite Nitrogen	EPA 300.0	0.456	0.500	91	mg/L
QC12040145	LCS 1	Nitrite Nitrogen	EPA 300.0	0.508	0.500	102	mg/L
QC12040147	LCS 1	Nitrate Nitrogen	EPA 300.0	2.03	0.500	102	mg/L
QC12040148	LCS 1	Nitrate Nitrogen	EPA 300.0	2.03	0.500	102	mg/L
QC12040150	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC12040151	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC12040154	LCS 1	Aluminum	EPA 200.7	0.962	1.00	96	mg/L
		Barium	EPA 200.7	0.959	1.00	96	mg/L
		Beryllium	EPA 200.7	0.968	1.00	97	mg/L
		Bismuth	EPA 200.7	0.995	1.00	100	mg/L
		Boron	EPA 200.7	0.884	1.00	88	mg/L
		Cadmium	EPA 200.7	0.972	1.00	97	mg/L
		Calcium	EPA 200.7	9.92	10.0	99	mg/L
		Chromium	EPA 200.7	0.944	1.00	94	mg/L
		Cobalt	EPA 200.7	0.959	1.00	96	mg/L
		Copper	EPA 200.7	4.61	5.00	92	mg/L
		Gallium	EPA 200.7	0.955	1.00	96	mg/L
		Iron	EPA 200.7	0.977	1.00	98	mg/L
		Lithium	EPA 200.7	0.950	1.00	95	mg/L
		Magnesium	EPA 200.7	9.84	10.0	98	mg/L
		Manganese	EPA 200.7	0.944	1.00	94	mg/L
		Molybdenum	EPA 200.7	0.953	1.00	95	mg/L
		Nickel	EPA 200.7	4.83	5.00	97	mg/L
		Phosphorus	EPA 200.7	4.84	5.00	97	mg/L
		Potassium	EPA 200.7	9.85	10.0	98	mg/L
		Scandium	EPA 200.7	0.948	1.00	95	mg/L
		Silver	EPA 200.7	0.086	0.090	95	mg/L
		Sodium	EPA 200.7	9.70	10.0	97	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12040155	LCS 1	Strontium	EPA 200.7	0.958	1.00	96	mg/L
		Tin	EPA 200.7	0.953	1.00	95	mg/L
		Titanium	EPA 200.7	0.953	1.00	95	mg/L
		Vanadium	EPA 200.7	0.951	1.00	95	mg/L
		Zinc	EPA 200.7	0.972	1.00	97	mg/L
		Aluminum	EPA 200.7	0.962	1.00	96	mg/L
		Barium	EPA 200.7	0.959	1.00	96	mg/L
		Beryllium	EPA 200.7	0.968	1.00	97	mg/L
		Bismuth	EPA 200.7	0.995	1.00	100	mg/L
		Boron	EPA 200.7	0.884	1.00	88	mg/L
		Cadmium	EPA 200.7	0.972	1.00	97	mg/L
		Calcium	EPA 200.7	9.92	10.0	99	mg/L
		Chromium	EPA 200.7	0.944	1.00	94	mg/L
		Cobalt	EPA 200.7	0.959	1.00	96	mg/L
		Copper	EPA 200.7	4.61	5.00	92	mg/L
		Gallium	EPA 200.7	0.955	1.00	96	mg/L
		Iron	EPA 200.7	0.977	1.00	98	mg/L
		Lithium	EPA 200.7	0.950	1.00	95	mg/L
		Magnesium	EPA 200.7	9.84	10.0	98	mg/L
		Manganese	EPA 200.7	0.944	1.00	94	mg/L
		Molybdenum	EPA 200.7	0.953	1.00	95	mg/L
		Nickel	EPA 200.7	4.83	5.00	97	mg/L
		Phosphorus	EPA 200.7	4.84	5.00	97	mg/L
		Potassium	EPA 200.7	9.85	10.0	98	mg/L
		Scandium	EPA 200.7	0.948	1.00	95	mg/L
		Silver	EPA 200.7	0.086	0.090	95	mg/L
		Sodium	EPA 200.7	9.70	10.0	97	mg/L
		Strontium	EPA 200.7	0.958	1.00	96	mg/L
		Tin	EPA 200.7	0.953	1.00	95	mg/L
		Titanium	EPA 200.7	0.953	1.00	95	mg/L
		Vanadium	EPA 200.7	0.951	1.00	95	mg/L
		Zinc	EPA 200.7	0.972	1.00	97	mg/L
QC12040156	LCS 1	Aluminum	EPA 200.7	0.979	1.00	98	mg/L
		Barium	EPA 200.7	0.976	1.00	98	mg/L
		Beryllium	EPA 200.7	0.974	1.00	97	mg/L
		Bismuth	EPA 200.7	1.04	1.00	104	mg/L
		Boron	EPA 200.7	0.905	1.00	90	mg/L
		Cadmium	EPA 200.7	0.993	1.00	99	mg/L
		Calcium	EPA 200.7	9.82	10.0	98	mg/L
		Chromium	EPA 200.7	0.956	1.00	96	mg/L
		Cobalt	EPA 200.7	0.980	1.00	98	mg/L
		Copper	EPA 200.7	4.62	5.00	92	mg/L
		Gallium	EPA 200.7	0.963	1.00	96	mg/L
		Iron	EPA 200.7	0.969	1.00	97	mg/L
		Lithium	EPA 200.7	0.943	1.00	94	mg/L
		Magnesium	EPA 200.7	9.87	10.0	99	mg/L
		Manganese	EPA 200.7	0.959	1.00	96	mg/L
		Molybdenum	EPA 200.7	0.984	1.00	98	mg/L
		Nickel	EPA 200.7	4.91	5.00	98	mg/L
		Phosphorus	EPA 200.7	4.96	5.00	99	mg/L
		Potassium	EPA 200.7	9.72	10.0	97	mg/L
		Scandium	EPA 200.7	0.951	1.00	95	mg/L
		Silver	EPA 200.7	0.085	0.090	94	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12040163	LCS 1	Sodium	EPA 200.7	9.42	10.0	94	mg/L
		Strontium	EPA 200.7	0.929	1.00	93	mg/L
		Tin	EPA 200.7	1.01	1.00	101	mg/L
		Titanium	EPA 200.7	0.958	1.00	96	mg/L
		Vanadium	EPA 200.7	0.959	1.00	96	mg/L
		Zinc	EPA 200.7	1.01	1.00	101	mg/L
		Aluminum	EPA 200.7	0.932	1.00	93	mg/L
		Barium	EPA 200.7	0.934	1.00	93	mg/L
		Beryllium	EPA 200.7	0.939	1.00	94	mg/L
		Bismuth	EPA 200.7	0.980	1.00	98	mg/L
		Boron	EPA 200.7	0.895	1.00	90	mg/L
		Cadmium	EPA 200.7	0.931	1.00	93	mg/L
		Calcium	EPA 200.7	9.95	10.0	100	mg/L
		Chromium	EPA 200.7	0.926	1.00	93	mg/L
		Cobalt	EPA 200.7	0.938	1.00	94	mg/L
		Copper	EPA 200.7	4.57	5.00	91	mg/L
		Gallium	EPA 200.7	0.941	1.00	94	mg/L
		Iron	EPA 200.7	0.991	1.00	99	mg/L
		Lithium	EPA 200.7	0.983	1.00	98	mg/L
		Magnesium	EPA 200.7	9.94	10.0	99	mg/L
		Manganese	EPA 200.7	0.926	1.00	93	mg/L
		Molybdenum	EPA 200.7	0.943	1.00	94	mg/L
		Nickel	EPA 200.7	4.67	5.00	93	mg/L
		Phosphorus	EPA 200.7	4.67	5.00	93	mg/L
		Potassium	EPA 200.7	10.0	10.0	100	mg/L
		Scandium	EPA 200.7	0.945	1.00	94	mg/L
		Silver	EPA 200.7	0.084	0.090	94	mg/L
		Sodium	EPA 200.7	10.0	10.0	100	mg/L
		Strontium	EPA 200.7	1.01	1.00	101	mg/L
		Tin	EPA 200.7	0.931	1.00	93	mg/L
		Titanium	EPA 200.7	1.00	1.00	100	mg/L
		Vanadium	EPA 200.7	0.933	1.00	93	mg/L
		Zinc	EPA 200.7	0.945	1.00	94	mg/L
QC12040167	LCS 1	Mercury	EPA 200.8	0.001009	0.001	101	mg/L
		Antimony	EPA 200.8	0.0101	0.010	101	mg/L
		Arsenic	EPA 200.8	0.0511	0.050	102	mg/L
		Lead	EPA 200.8	0.0098	0.010	98	mg/L
		Selenium	EPA 200.8	0.0510	0.050	102	mg/L
		Thallium	EPA 200.8	0.0098	0.010	98	mg/L
QC12040179	LCS 1	Aluminum	EPA 200.7	0.974	1.00	97	mg/L
		Barium	EPA 200.7	0.955	1.00	96	mg/L
		Beryllium	EPA 200.7	0.955	1.00	96	mg/L
		Bismuth	EPA 200.7	0.988	1.00	99	mg/L
		Boron	EPA 200.7	0.899	1.00	90	mg/L
		Cadmium	EPA 200.7	0.953	1.00	95	mg/L
		Calcium	EPA 200.7	9.78	10.0	98	mg/L
		Chromium	EPA 200.7	0.945	1.00	94	mg/L
		Cobalt	EPA 200.7	0.953	1.00	95	mg/L
		Copper	EPA 200.7	4.69	5.00	94	mg/L
		Gallium	EPA 200.7	0.951	1.00	95	mg/L
		Iron	EPA 200.7	0.974	1.00	97	mg/L
		Lithium	EPA 200.7	0.965	1.00	96	mg/L
		Magnesium	EPA 200.7	9.74	10.0	97	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12040180	LCS 1	Manganese	EPA 200.7	0.948	1.00	95	mg/L
		Molybdenum	EPA 200.7	0.942	1.00	94	mg/L
		Nickel	EPA 200.7	4.77	5.00	95	mg/L
		Phosphorus	EPA 200.7	4.72	5.00	94	mg/L
		Potassium	EPA 200.7	9.85	10.0	98	mg/L
		Scandium	EPA 200.7	0.953	1.00	95	mg/L
		Silver	EPA 200.7	0.087	0.090	97	mg/L
		Sodium	EPA 200.7	9.92	10.0	99	mg/L
		Strontium	EPA 200.7	0.994	1.00	99	mg/L
		Tin	EPA 200.7	0.932	1.00	93	mg/L
		Titanium	EPA 200.7	0.976	1.00	98	mg/L
		Vanadium	EPA 200.7	0.945	1.00	94	mg/L
		Zinc	EPA 200.7	0.960	1.00	96	mg/L
		Aluminum	EPA 200.7	0.968	1.00	97	mg/L
		Barium	EPA 200.7	0.950	1.00	95	mg/L
		Beryllium	EPA 200.7	0.946	1.00	95	mg/L
		Bismuth	EPA 200.7	0.977	1.00	98	mg/L
		Boron	EPA 200.7	0.908	1.00	91	mg/L
		Cadmium	EPA 200.7	0.945	1.00	94	mg/L
		Calcium	EPA 200.7	9.61	10.0	96	mg/L
		Chromium	EPA 200.7	0.941	1.00	94	mg/L
		Cobalt	EPA 200.7	0.949	1.00	95	mg/L
		Copper	EPA 200.7	4.70	5.00	94	mg/L
		Gallium	EPA 200.7	0.946	1.00	95	mg/L
		Iron	EPA 200.7	0.967	1.00	97	mg/L
		Lithium	EPA 200.7	0.927	1.00	93	mg/L
		Magnesium	EPA 200.7	9.63	10.0	96	mg/L
		Manganese	EPA 200.7	0.942	1.00	94	mg/L
		Molybdenum	EPA 200.7	0.954	1.00	95	mg/L
		Nickel	EPA 200.7	4.74	5.00	95	mg/L
		Phosphorus	EPA 200.7	4.77	5.00	95	mg/L
		Potassium	EPA 200.7	9.62	10.0	96	mg/L
		Scandium	EPA 200.7	0.947	1.00	95	mg/L
		Silver	EPA 200.7	0.086	0.090	95	mg/L
		Sodium	EPA 200.7	9.63	10.0	96	mg/L
		Strontium	EPA 200.7	0.989	1.00	99	mg/L
		Tin	EPA 200.7	0.948	1.00	95	mg/L
		Titanium	EPA 200.7	0.968	1.00	97	mg/L
		Vanadium	EPA 200.7	0.943	1.00	94	mg/L
		Zinc	EPA 200.7	0.952	1.00	95	mg/L
QC12040181	LCS 1	Aluminum	EPA 200.7	0.968	1.00	97	mg/L
		Barium	EPA 200.7	0.950	1.00	95	mg/L
		Beryllium	EPA 200.7	0.946	1.00	95	mg/L
		Bismuth	EPA 200.7	0.977	1.00	98	mg/L
		Boron	EPA 200.7	0.908	1.00	91	mg/L
		Cadmium	EPA 200.7	0.945	1.00	94	mg/L
		Calcium	EPA 200.7	9.61	10.0	96	mg/L
		Chromium	EPA 200.7	0.941	1.00	94	mg/L
		Cobalt	EPA 200.7	0.949	1.00	95	mg/L
		Copper	EPA 200.7	4.70	5.00	94	mg/L
		Gallium	EPA 200.7	0.946	1.00	95	mg/L
		Iron	EPA 200.7	0.967	1.00	97	mg/L
		Lithium	EPA 200.7	0.927	1.00	93	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
		Magnesium	EPA 200.7	9.63	10.0	96	mg/L
		Manganese	EPA 200.7	0.942	1.00	94	mg/L
		Molybdenum	EPA 200.7	0.954	1.00	95	mg/L
		Nickel	EPA 200.7	4.74	5.00	95	mg/L
		Phosphorus	EPA 200.7	4.77	5.00	95	mg/L
		Potassium	EPA 200.7	9.62	10.0	96	mg/L
		Scandium	EPA 200.7	0.947	1.00	95	mg/L
		Silver	EPA 200.7	0.086	0.090	95	mg/L
		Sodium	EPA 200.7	9.63	10.0	96	mg/L
		Strontium	EPA 200.7	0.989	1.00	99	mg/L
		Tin	EPA 200.7	0.948	1.00	95	mg/L
		Titanium	EPA 200.7	0.968	1.00	97	mg/L
		Vanadium	EPA 200.7	0.943	1.00	94	mg/L
		Zinc	EPA 200.7	0.952	1.00	95	mg/L

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12040077	MS 1	Fluoride	EPA 300.0	1203592-001	2.08	11.4	11.6	2.00	mg/L	93	95	2 %
QC12040077	MS 2	Fluoride	EPA 300.0	1204007-001	1.15	19.8	19.9	2.00	mg/L	93	94	1 %
QC12040078	MS 1	Fluoride	EPA 300.0	1204007-011	2.53	21.2	21.2	2.00	mg/L	94	93	<1%
QC12040078	MS 2	Fluoride	EPA 300.0	1204007-022	1.16	20.0	20.1	2.00	mg/L	94	94	<1%
QC12040081	MS 1	Chloride	EPA 300.0	1204007-001	24.1	76.4	76.6	5.00	mg/L	105	105	<1%
QC12040081	MS 2	Chloride	EPA 300.0	1204007-011	24.4	77.4	77.4	5.00	mg/L	106	106	<1%
QC12040082	MS 1	Chloride	EPA 300.0	1204007-022	25.5	78.6	78.8	5.00	mg/L	106	107	<1%
QC12040086	MS 1	Nitrite Nitrogen	EPA 300.0	1204007-001	<0.250	5.35	5.35	0.500	mg/L	103	103	<1%
QC12040086	MS 2	Nitrite Nitrogen	EPA 300.0	1204007-011	0.429	4.59	4.82	0.500	mg/L	83	88	5 %
QC12040088	MS 1	Nitrite Nitrogen	EPA 300.0	1204007-022	<0.250	4.51	4.50	0.500	mg/L	87	87	<1%
QC12040089	MS 1	Nitrate Nitrogen	EPA 300.0	1204007-001	0.435	20.9	20.9	0.500	mg/L	102	102	<1%
QC12040089	MS 2	Nitrate Nitrogen	EPA 300.0	1204007-011	0.496	21.0	21.0	0.500	mg/L	103	103	<1%
QC12040090	MS 1	Nitrate Nitrogen	EPA 300.0	1204007-022	0.431	21.1	20.6	0.500	mg/L	103	101	2 %
QC12040092	MS 1	Sulfate	EPA 300.0	1204007-001	55.0	156	156	10.0	mg/L	101	101	<1%
QC12040092	MS 2	Sulfate	EPA 300.0	1204007-011	287	384	384	10.0	mg/L	97	97	<1%
QC12040093	MS 1	Sulfate	EPA 300.0	1204007-022	69.2	170	171	10.0	mg/L	101	102	1 %
QC12040132	MS 1	Mercury	EPA 200.8	1203631-001	0.000158	M 0.000646	0.000698	0.001	mg/L	NC	NC	NC
		Antimony	EPA 200.8	1203631-001	0.5986	SC 0.6519	0.6579	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1203631-001	0.1210	0.1798	0.1773	0.050	mg/L	118	113	1 %
		Lead	EPA 200.8	1203631-001	0.0046	M 0.0111	0.0113	0.010	mg/L	NC	NC	NC
		Selenium	EPA 200.8	1203631-001	<0.0500	M <0.0500	<0.0500	0.050	mg/L	NC	NC	NC
		Thallium	EPA 200.8	1203631-001	<0.0010	M 0.0068	0.0068	0.010	mg/L	NC	NC	NC
QC12040133	MS 1	Mercury	EPA 200.8	1203631-002	0.000529	0.001313	0.001222	0.001	mg/L	78	69	7 %
		Antimony	EPA 200.8	1203631-002	0.0033	0.0141	0.0134	0.010	mg/L	107	101	5 %
		Arsenic	EPA 200.8	1203631-002	<0.0500	<0.0500	<0.0500	0.050	mg/L	86	84	#Erro
		Lead	EPA 200.8	1203631-002	<0.0025	0.0095	0.0092	0.010	mg/L	79	76	3 %
		Selenium	EPA 200.8	1203631-002	<0.0500	M <0.0500	<0.0500	0.050	mg/L	NC	NC	NC
		Thallium	EPA 200.8	1203631-002	<0.0010	0.0075	0.0072	0.010	mg/L	75	72	4 %
QC12040134	MS 1	Mercury	EPA 200.8	1203631-003	<0.00010	0.000964	0.000987	0.001	mg/L	96	99	2 %
		Antimony	EPA 200.8	1203631-003	<0.0025	0.0099	0.0099	0.010	mg/L	98	98	<1%
		Arsenic	EPA 200.8	1203631-003	<0.0100	0.0581	0.0574	0.050	mg/L	116	115	1 %
		Lead	EPA 200.8	1203631-003	0.0031	0.0121	0.0125	0.010	mg/L	90	94	3 %
		Selenium	EPA 200.8	1203631-003	<0.0100	0.0503	0.0521	0.050	mg/L	99	103	4 %
		Thallium	EPA 200.8	1203631-003	<0.0010	0.0088	0.0090	0.010	mg/L	88	90	2 %
QC12040135	MS 1	Mercury	EPA 200.8	1203580-011	<0.00100	0.001180	0.001000	0.001	mg/L	98	80	17 %
		Antimony	EPA 200.8	1203580-011	0.0486	SC 0.0631	0.0623	0.010	mg/L	NC	NC	NC

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12040136	MS 1	Arsenic	EPA 200.8	1203580-011	15.0	SC 16.4	15.5	0.050	mg/L	NC	NC	NC
		Lead	EPA 200.8	1203580-011	<0.0100	<0.0100	<0.0100	0.010	mg/L	71	70	#Erro
		Selenium	EPA 200.8	1203580-011	0.7930	0.8483	0.8520	0.050	mg/L	111	118	<1%
		Thallium	EPA 200.8	1203580-011	0.1035	SC 0.1188	0.1167	0.010	mg/L	NC	NC	NC
		Mercury	EPA 200.8	1203580-012	<0.01000	M <0.01000	<0.01000	0.001	mg/L	NC	NC	NC
		Antimony	EPA 200.8	1203580-012	1.1896	SC 1.2164	1.2326	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1203580-012	62.6	SC 63.2	64.7	0.050	mg/L	NC	NC	NC
QC12040137	MS 1	Lead	EPA 200.8	1203580-012	<0.1000	<0.1000	<0.1000	0.010	mg/L	96	107	#Erro
		Selenium	EPA 200.8	1203580-012	<0.0500	0.0973	0.0985	0.050	mg/L	11	12	1 %
		Thallium	EPA 200.8	1203580-012	<0.1000	<0.1000	<0.1000	0.010	mg/L	118	126	#Erro
		Mercury	EPA 200.8	1203580-008	<0.00010	0.000945	0.000940	0.001	mg/L	94	94	1 %
		Antimony	EPA 200.8	1203580-008	0.1394	SC 0.1524	0.1602	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1203580-008	2.0290	SC 2.1103	2.1799	0.050	mg/L	NC	NC	NC
		Lead	EPA 200.8	1203580-008	0.0371	0.0442	0.0451	0.010	mg/L	71	80	2 %
QC12040138	MS 1	Selenium	EPA 200.8	1203580-008	0.0243	0.0669	0.0629	0.050	mg/L	85	77	6 %
		Thallium	EPA 200.8	1203580-008	0.1081	0.1158	0.1181	0.010	mg/L	77	100	2 %
QC12040138	MS 1	Fluoride	EPA 300.0	1204007-033	2.46	21.0	21.0	2.00	mg/L	93	93	<1%
QC12040138	MS 2	Fluoride	EPA 300.0	1204007-045	1.99	20.6	20.4	2.00	mg/L	93	92	1 %
QC12040139	MS 1	Fluoride	EPA 300.0	1204007-051	2.10	20.7	20.8	2.00	mg/L	93	93	<1%
QC12040139	MS 2	Fluoride	EPA 300.0	1204010-005	<0.100	1.92	2.00	2.00	mg/L	95	99	4 %
QC12040141	MS 1	Chloride	EPA 300.0	1204007-033	22.1	74.6	74.6	5.00	mg/L	105	105	<1%
QC12040141	MS 2	Chloride	EPA 300.0	1204007-045	25.0	77.8	77.3	5.00	mg/L	106	105	1 %
QC12040142	MS 1	Chloride	EPA 300.0	1204007-051	38.2	91.0	91.0	5.00	mg/L	106	106	<1%
QC12040144	MS 1	Nitrite Nitrogen	EPA 300.0	1204007-033	0.412	4.78	4.77	0.500	mg/L	87	87	<1%
QC12040144	MS 2	Nitrite Nitrogen	EPA 300.0	1204007-045	0.387	4.71	4.58	0.500	mg/L	87	84	3 %
QC12040145	MS 1	Nitrite Nitrogen	EPA 300.0	1204007-051	1.69	6.05	6.21	0.500	mg/L	87	90	3 %
QC12040145	MS 2	Nitrite Nitrogen	EPA 300.0	1204010-005	<0.025	0.450	0.469	0.500	mg/L	89	92	4 %
QC12040147	MS 1	Nitrate Nitrogen	EPA 300.0	1204007-033	0.495	20.9	21.0	0.500	mg/L	102	102	<1%
QC12040147	MS 2	Nitrate Nitrogen	EPA 300.0	1204007-045	1.27	22.2	22.0	0.500	mg/L	105	104	1 %
QC12040148	MS 1	Nitrate Nitrogen	EPA 300.0	1204007-051	0.522	21.2	21.3	0.500	mg/L	103	104	<1%
QC12040150	MS 1	Sulfate	EPA 300.0	1204007-033	282	377	377	10.0	mg/L	95	94	<1%
QC12040150	MS 2	Sulfate	EPA 300.0	1204007-045	126	224	223	10.0	mg/L	98	97	<1%
QC12040151	MS 1	Sulfate	EPA 300.0	1204007-051	160	258	258	10.0	mg/L	99	98	<1%
QC12040151	MS 2	Sulfate	EPA 300.0	1204010-005	2.00	12.0	12.4	10.0	mg/L	100	104	3 %
QC12040154	MS 1	Aluminum	EPA 200.7	1203631-001	0.076	1.05	1.02	1.00	mg/L	97	94	3 %
		Barium	EPA 200.7	1203631-001	0.162	1.07	1.07	1.00	mg/L	91	91	<1%
		Beryllium	EPA 200.7	1203631-001	<0.001	0.943	0.932	1.00	mg/L	94	93	1 %
		Bismuth	EPA 200.7	1203631-001	<0.100	0.847	0.830	1.00	mg/L	89	87	2 %
		Boron	EPA 200.7	1203631-001	1.12	2.07	2.06	1.00	mg/L	95	94	<1%
		Cadmium	EPA 200.7	1203631-001	<0.001	0.916	0.911	1.00	mg/L	92	91	1 %
		Calcium	EPA 200.7	1203631-001	213	226	224	10.0	mg/L	130	110	1 %
		Chromium	EPA 200.7	1203631-001	<0.005	0.900	0.900	1.00	mg/L	90	90	<1%
		Cobalt	EPA 200.7	1203631-001	<0.010	0.905	0.901	1.00	mg/L	90	90	<1%
		Copper	EPA 200.7	1203631-001	<0.050	4.47	4.44	5.00	mg/L	89	89	1 %
		Gallium	EPA 200.7	1203631-001	<0.100	0.820	0.818	1.00	mg/L	81	81	<1%
		Iron	EPA 200.7	1203631-001	19.2	SC 20.9	20.2	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1203631-001	3.05	4.14	4.05	1.00	mg/L	109	100	2 %
		Magnesium	EPA 200.7	1203631-001	32.0	41.6	40.7	10.0	mg/L	96	87	2 %
		Manganese	EPA 200.7	1203631-001	2.05	2.95	2.92	1.00	mg/L	90	87	1 %
		Molybdenum	EPA 200.7	1203631-001	<0.010	0.835	0.798	1.00	mg/L	85	81	5 %
		Nickel	EPA 200.7	1203631-001	<0.010	4.50	4.48	5.00	mg/L	90	90	<1%
		Phosphorus	EPA 200.7	1203631-001	<0.500	5.14	5.07	5.00	mg/L	100	98	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12040155	MS 1	Potassium	EPA 200.7	1203631-001	49.4	61.5	60.2	10.0	mg/L	121	108	2 %
		Scandium	EPA 200.7	1203631-001	<0.100	0.929	0.921	1.00	mg/L	93	92	1 %
		Silver	EPA 200.7	1203631-001	<0.005	0.073	0.075	0.090	mg/L	83	85	3 %
		Sodium	EPA 200.7	1203631-001	398	411	405	10.0	mg/L	130	70	1 %
		Strontium	EPA 200.7	1203631-001	4.67	5.58	5.49	1.00	mg/L	91	82	2 %
		Tin	EPA 200.7	1203631-001	<0.100	0.802	0.779	1.00	mg/L	95	92	3 %
		Titanium	EPA 200.7	1203631-001	<0.100	0.953	0.924	1.00	mg/L	95	92	3 %
		Vanadium	EPA 200.7	1203631-001	0.026	0.950	0.947	1.00	mg/L	92	92	<1%
		Zinc	EPA 200.7	1203631-001	112	SC 118	111	1.00	mg/L	NC	NC	NC
		Aluminum	EPA 200.7	1203631-002	<0.045	0.981	0.969	1.00	mg/L	94	93	1 %
		Barium	EPA 200.7	1203631-002	0.196	1.16	1.14	1.00	mg/L	96	94	2 %
		Beryllium	EPA 200.7	1203631-002	0.001	0.977	0.957	1.00	mg/L	98	96	2 %
		Bismuth	EPA 200.7	1203631-002	<0.100	0.962	0.939	1.00	mg/L	94	92	2 %
		Boron	EPA 200.7	1203631-002	1.12	2.13	2.10	1.00	mg/L	101	98	1 %
		Cadmium	EPA 200.7	1203631-002	0.002	0.972	0.959	1.00	mg/L	97	96	1 %
		Calcium	EPA 200.7	1203631-002	17.1	27.1	26.2	10.0	mg/L	100	91	3 %
		Chromium	EPA 200.7	1203631-002	<0.005	0.952	0.934	1.00	mg/L	95	93	2 %
		Cobalt	EPA 200.7	1203631-002	<0.010	0.970	0.954	1.00	mg/L	97	95	2 %
		Copper	EPA 200.7	1203631-002	<0.050	4.87	4.79	5.00	mg/L	97	96	2 %
		Gallium	EPA 200.7	1203631-002	<0.100	0.878	0.866	1.00	mg/L	88	86	1 %
		Iron	EPA 200.7	1203631-002	14.9	SC 16.9	16.3	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1203631-002	1.40	2.48	2.38	1.00	mg/L	108	98	4 %
		Magnesium	EPA 200.7	1203631-002	1.79	11.5	11.1	10.0	mg/L	97	93	4 %
		Manganese	EPA 200.7	1203631-002	0.314	1.28	1.26	1.00	mg/L	97	95	2 %
		Molybdenum	EPA 200.7	1203631-002	<0.010	0.967	0.963	1.00	mg/L	97	97	<1%
		Nickel	EPA 200.7	1203631-002	<0.010	4.82	4.75	5.00	mg/L	96	95	1 %
		Phosphorus	EPA 200.7	1203631-002	<0.500	5.14	5.09	5.00	mg/L	101	100	1 %
		Potassium	EPA 200.7	1203631-002	18.7	29.7	28.5	10.0	mg/L	110	98	4 %
		Scandium	EPA 200.7	1203631-002	<0.100	0.974	0.958	1.00	mg/L	97	96	2 %
		Silver	EPA 200.7	1203631-002	<0.005	0.085	0.086	0.090	mg/L	95	95	1 %
		Sodium	EPA 200.7	1203631-002	187	196	189	10.0	mg/L	90	20	4 %
		Strontium	EPA 200.7	1203631-002	0.811	1.78	1.72	1.00	mg/L	97	91	3 %
		Tin	EPA 200.7	1203631-002	<0.100	0.941	0.939	1.00	mg/L	97	97	<1%
		Titanium	EPA 200.7	1203631-002	<0.100	1.01	0.986	1.00	mg/L	101	98	2 %
		Vanadium	EPA 200.7	1203631-002	<0.010	0.977	0.960	1.00	mg/L	98	96	2 %
QC12040156	MS 1	Zinc	EPA 200.7	1203631-002	15.1	16.2	15.9	1.00	mg/L	110	80	2 %
		Aluminum	EPA 200.7	1203631-003	<0.045	0.932	0.928	1.00	mg/L	90	89	<1%
		Barium	EPA 200.7	1203631-003	0.014	0.971	0.965	1.00	mg/L	96	95	1 %
		Beryllium	EPA 200.7	1203631-003	<0.001	0.965	0.962	1.00	mg/L	96	96	<1%
		Bismuth	EPA 200.7	1203631-003	<0.100	1.02	1.01	1.00	mg/L	94	93	1 %
		Boron	EPA 200.7	1203631-003	<0.100	1.01	1.02	1.00	mg/L	95	96	1 %
		Cadmium	EPA 200.7	1203631-003	<0.001	0.973	0.968	1.00	mg/L	97	97	1 %
		Calcium	EPA 200.7	1203631-003	42.1	51.2	49.9	10.0	mg/L	91	78	3 %
		Chromium	EPA 200.7	1203631-003	<0.005	0.943	0.936	1.00	mg/L	94	94	1 %
		Cobalt	EPA 200.7	1203631-003	<0.010	0.949	0.944	1.00	mg/L	95	94	1 %
		Copper	EPA 200.7	1203631-003	<0.050	4.57	4.49	5.00	mg/L	91	90	2 %
		Gallium	EPA 200.7	1203631-003	<0.100	0.921	0.917	1.00	mg/L	92	92	<1%
		Iron	EPA 200.7	1203631-003	0.219	1.16	1.15	1.00	mg/L	94	93	1 %
		Lithium	EPA 200.7	1203631-003	<0.100	0.956	0.949	1.00	mg/L	95	94	1 %
		Magnesium	EPA 200.7	1203631-003	19.9	28.9	28.4	10.0	mg/L	90	85	2 %
		Manganese	EPA 200.7	1203631-003	<0.005	0.931	0.908	1.00	mg/L	94	92	3 %
		Molybdenum	EPA 200.7	1203631-003	<0.010	0.975	0.979	1.00	mg/L	98	98	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12040163	MS 1	Nickel	EPA 200.7	1203631-003	<0.010	4.76	4.74	5.00	mg/L	95	95	<1%
		Phosphorus	EPA 200.7	1203631-003	<0.500	5.05	4.98	5.00	mg/L	101	99	1 %
		Potassium	EPA 200.7	1203631-003	2.84	12.4	12.3	10.0	mg/L	96	95	1 %
		Scandium	EPA 200.7	1203631-003	<0.100	0.936	0.931	1.00	mg/L	94	93	1 %
		Silver	EPA 200.7	1203631-003	<0.005	0.085	0.084	0.090	mg/L	93	93	1 %
		Sodium	EPA 200.7	1203631-003	33.8	42.9	41.9	10.0	mg/L	91	81	2 %
		Strontium	EPA 200.7	1203631-003	0.223	1.12	1.11	1.00	mg/L	90	89	1 %
		Tin	EPA 200.7	1203631-003	<0.100	0.957	0.966	1.00	mg/L	101	102	1 %
		Titanium	EPA 200.7	1203631-003	<0.100	0.942	0.937	1.00	mg/L	94	93	1 %
		Vanadium	EPA 200.7	1203631-003	0.011	0.967	0.964	1.00	mg/L	96	95	<1%
		Zinc	EPA 200.7	1203631-003	2.55	3.61	3.56	1.00	mg/L	106	101	1 %
		Aluminum	EPA 200.7	1203580-007	11.7	12.4	12.4	1.00	mg/L	70	70	<1%
		Barium	EPA 200.7	1203580-007	0.017	0.841	0.849	1.00	mg/L	82	83	1 %
		Beryllium	EPA 200.7	1203580-007	0.022	0.856	0.859	1.00	mg/L	83	84	<1%
		Bismuth	EPA 200.7	1203580-007	<0.100	0.839	0.845	1.00	mg/L	82	82	1 %
		Boron	EPA 200.7	1203580-007	<0.100	0.766	0.771	1.00	mg/L	79	79	1 %
		Cadmium	EPA 200.7	1203580-007	0.024	0.847	0.853	1.00	mg/L	82	83	1 %
		Calcium	EPA 200.7	1203580-007	218	228	228	10.0	mg/L	100	100	<1%
		Chromium	EPA 200.7	1203580-007	0.005	0.829	0.833	1.00	mg/L	82	83	<1%
		Cobalt	EPA 200.7	1203580-007	0.261	1.08	1.08	1.00	mg/L	82	82	<1%
		Copper	EPA 200.7	1203580-007	0.187	4.66	4.69	5.00	mg/L	89	90	1 %
		Gallium	EPA 200.7	1203580-007	<0.100	0.816	0.821	1.00	mg/L	77	78	1 %
		Iron	EPA 200.7	1203580-007	279	SC 275	273	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1203580-007	<0.100	1.03	1.03	1.00	mg/L	101	101	<1%
		Magnesium	EPA 200.7	1203580-007	134	143	143	10.0	mg/L	90	90	<1%
		Manganese	EPA 200.7	1203580-007	1.90	2.75	2.75	1.00	mg/L	85	85	<1%
		Molybdenum	EPA 200.7	1203580-007	<0.010	0.820	0.813	1.00	mg/L	84	83	1 %
		Nickel	EPA 200.7	1203580-007	3.52	7.70	7.72	5.00	mg/L	84	84	<1%
		Phosphorus	EPA 200.7	1203580-007	<0.500	4.36	4.34	5.00	mg/L	87	87	<1%
		Potassium	EPA 200.7	1203580-007	4.00	13.9	14.0	10.0	mg/L	99	100	1 %
		Scandium	EPA 200.7	1203580-007	<0.100	0.890	0.895	1.00	mg/L	84	85	1 %
		Silver	EPA 200.7	1203580-007	<0.005	0.075	0.075	0.090	mg/L	87	87	<1%
		Sodium	EPA 200.7	1203580-007	17.9	27.5	27.5	10.0	mg/L	96	96	<1%
		Strontium	EPA 200.7	1203580-007	0.517	1.42	1.44	1.00	mg/L	90	92	1 %
		Tin	EPA 200.7	1203580-007	<0.100	0.713	0.691	1.00	mg/L	82	80	3 %
		Titanium	EPA 200.7	1203580-007	<0.100	0.895	0.887	1.00	mg/L	89	88	1 %
		Vanadium	EPA 200.7	1203580-007	0.044	0.881	0.887	1.00	mg/L	84	84	1 %
		Zinc	EPA 200.7	1203580-007	0.427	1.27	1.27	1.00	mg/L	84	84	<1%
QC12040167	MS 1	Mercury	EPA 200.8	1203580-007	<0.00020	0.000702	0.000756	0.001	mg/L	70	76	7 %
		Antimony	EPA 200.8	1203580-007	0.0190	0.0283	0.0287	0.010	mg/L	93	97	1 %
		Arsenic	EPA 200.8	1203580-007	0.1153	0.1622	0.1617	0.050	mg/L	94	93	<1%
		Lead	EPA 200.8	1203580-007	0.0067	0.0138	0.0138	0.010	mg/L	71	71	<1%
		Selenium	EPA 200.8	1203580-007	0.0459	0.0901	0.0903	0.050	mg/L	88	89	<1%
QC12040179	MS 1	Thallium	EPA 200.8	1203580-007	0.0534	0.0626	0.0615	0.010	mg/L	92	81	2 %
		Aluminum	EPA 200.7	1203580-011	69.5	SC 74.4	73.4	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1203580-011	<0.050	0.945	0.903	1.00	mg/L	91	87	5 %
		Beryllium	EPA 200.7	1203580-011	0.066	0.997	0.993	1.00	mg/L	93	93	<1%
		Bismuth	EPA 200.7	1203580-011	<0.500	1.09	1.10	1.00	mg/L	88	89	1 %
		Boron	EPA 200.7	1203580-011	<0.500	0.901	0.890	1.00	mg/L	87	85	1 %
		Cadmium	EPA 200.7	1203580-011	2.93	4.08	4.07	1.00	mg/L	115	114	<1%
		Calcium	EPA 200.7	1203580-011	143	SC 160	161	10.0	mg/L	NC	NC	NC
		Chromium	EPA 200.7	1203580-011	0.110	1.05	1.05	1.00	mg/L	94	94	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12040180	MS 1	Cobalt	EPA 200.7	1203580-011	3.56	4.77	4.75	1.00	mg/L	121	119	<1%
		Copper	EPA 200.7	1203580-011	8.00	13.6	13.4	5.00	mg/L	112	108	1 %
		Gallium	EPA 200.7	1203580-011	<0.500	1.12	1.11	1.00	mg/L	93	92	1 %
		Iron	EPA 200.7	1203580-011	1180	SC 1270	1240	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1203580-011	<0.500	1.20	1.17	1.00	mg/L	111	108	3 %
		Magnesium	EPA 200.7	1203580-011	26.0	37.2	36.9	10.0	mg/L	112	109	1 %
		Manganese	EPA 200.7	1203580-011	2.60	3.73	3.71	1.00	mg/L	113	111	1 %
		Molybdenum	EPA 200.7	1203580-011	0.883	1.86	1.85	1.00	mg/L	98	97	1 %
		Nickel	EPA 200.7	1203580-011	15.5	21.3	21.3	5.00	mg/L	116	116	<1%
		Phosphorus	EPA 200.7	1203580-011	34.1	SC 41.4	41.4	5.00	mg/L	NC	NC	NC
		Potassium	EPA 200.7	1203580-011	6.92	16.3	16.0	10.0	mg/L	94	91	2 %
		Scandium	EPA 200.7	1203580-011	<0.500	1.07	1.06	1.00	mg/L	93	92	1 %
		Silver	EPA 200.7	1203580-011	<0.025	0.075	0.073	0.090	mg/L	97	94	3 %
		Sodium	EPA 200.7	1203580-011	24.4	36.3	35.9	10.0	mg/L	119	115	1 %
		Strontium	EPA 200.7	1203580-011	<0.500	1.12	1.11	1.00	mg/L	101	100	1 %
		Tin	EPA 200.7	1203580-011	<0.500	0.721	0.732	1.00	mg/L	90	91	2 %
		Titanium	EPA 200.7	1203580-011	<0.500	0.981	0.974	1.00	mg/L	96	95	1 %
		Vanadium	EPA 200.7	1203580-011	5.47	SC 6.83	6.75	1.00	mg/L	NC	NC	NC
		Zinc	EPA 200.7	1203580-011	7.03	SC 8.50	8.51	1.00	mg/L	NC	NC	NC
		Aluminum	EPA 200.7	1203580-012	119	SC 121	123	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1203580-012	<0.100	0.861	0.855	1.00	mg/L	81	80	1 %
		Beryllium	EPA 200.7	1203580-012	0.315	1.15	1.14	1.00	mg/L	84	82	1 %
		Bismuth	EPA 200.7	1203580-012	<1.000	1.38	1.40	1.00	mg/L	78	80	1 %
		Boron	EPA 200.7	1203580-012	<1.000	0.865	0.837	1.00	mg/L	75	73	3 %
		Cadmium	EPA 200.7	1203580-012	0.416	1.25	1.23	1.00	mg/L	83	81	2 %
		Calcium	EPA 200.7	1203580-012	358	365	373	10.0	mg/L	70	150	2 %
		Chromium	EPA 200.7	1203580-012	0.450	1.28	1.27	1.00	mg/L	83	82	1 %
		Cobalt	EPA 200.7	1203580-012	4.60	5.49	5.51	1.00	mg/L	89	91	<1%
		Copper	EPA 200.7	1203580-012	2.18	6.68	6.66	5.00	mg/L	90	90	<1%
		Gallium	EPA 200.7	1203580-012	<1.000	1.41	1.41	1.00	mg/L	83	83	<1%
		Iron	EPA 200.7	1203580-012	4290	SC 4360	4440	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1203580-012	<1.000	1.16	1.16	1.00	mg/L	102	102	<1%
		Magnesium	EPA 200.7	1203580-012	225	235	237	10.0	mg/L	100	120	1 %
		Manganese	EPA 200.7	1203580-012	982	SC 985	1000	1.00	mg/L	NC	NC	NC
		Molybdenum	EPA 200.7	1203580-012	<0.100	0.558	0.539	1.00	mg/L	82	80	3 %
		Nickel	EPA 200.7	1203580-012	53.0	57.5	58.2	5.00	mg/L	90	104	1 %
		Phosphorus	EPA 200.7	1203580-012	136	141	144	5.00	mg/L	100	160	2 %
		Potassium	EPA 200.7	1203580-012	<5.000	8.58	8.11	10.0	mg/L	91	87	6 %
		Scandium	EPA 200.7	1203580-012	1.11	1.96	1.96	1.00	mg/L	85	85	<1%
		Silver	EPA 200.7	1203580-012	<0.050	0.022	0.023	0.090	mg/L	82	82	4 %
		Sodium	EPA 200.7	1203580-012	5.57	15.3	15.0	10.0	mg/L	97	94	2 %
		Strontium	EPA 200.7	1203580-012	<1.000	1.23	1.24	1.00	mg/L	94	94	1 %
		Tin	EPA 200.7	1203580-012	<1.000	M 0.132	0.092	1.00	mg/L	NC	NC	NC
		Titanium	EPA 200.7	1203580-012	<1.000	0.938	0.935	1.00	mg/L	88	88	<1%
		Vanadium	EPA 200.7	1203580-012	0.703	1.54	1.54	1.00	mg/L	84	84	<1%
QC12040181	MS 1	Zinc	EPA 200.7	1203580-012	199	SC 201	204	1.00	mg/L	NC	NC	NC
		Aluminum	EPA 200.7	1203580-008	27.9	SC 30.1	27.5	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1203580-008	<0.050	0.940	0.976	1.00	mg/L	91	95	4 %
		Beryllium	EPA 200.7	1203580-008	0.043	0.969	1.01	1.00	mg/L	93	97	4 %
		Bismuth	EPA 200.7	1203580-008	<0.500	0.943	1.09	1.00	mg/L	87	102	14 %
		Boron	EPA 200.7	1203580-008	<0.500	0.842	0.895	1.00	mg/L	85	90	6 %
		Cadmium	EPA 200.7	1203580-008	0.036	0.970	1.01	1.00	mg/L	93	97	4 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Calcium	EPA 200.7	1203580-008	87.4	SC 104	96.2	10.0	mg/L	NC	NC	NC
		Chromium	EPA 200.7	1203580-008	0.050		0.960	1.00	mg/L	91	93	2 %
		Cobalt	EPA 200.7	1203580-008	0.344		1.31	1.00	mg/L	97	97	<1%
		Copper	EPA 200.7	1203580-008	0.852		5.60	5.69	mg/L	95	97	2 %
		Gallium	EPA 200.7	1203580-008	<0.500		0.975	1.00	mg/L	92	95	3 %
		Iron	EPA 200.7	1203580-008	282	SC 302	276	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1203580-008	<0.500		0.972	1.04	mg/L	95	102	7 %
		Magnesium	EPA 200.7	1203580-008	27.3		38.4	36.6	mg/L	111	93	5 %
		Manganese	EPA 200.7	1203580-008	0.911		1.87	1.81	mg/L	96	90	3 %
		Molybdenum	EPA 200.7	1203580-008	<0.050		1.02	0.973	mg/L	98	93	5 %
		Nickel	EPA 200.7	1203580-008	3.98		8.92	8.68	mg/L	99	94	3 %
		Phosphorus	EPA 200.7	1203580-008	<2.50		6.25	6.25	mg/L	95	95	<1%
		Potassium	EPA 200.7	1203580-008	6.55		16.5	15.9	mg/L	100	94	4 %
		Scandium	EPA 200.7	1203580-008	<0.500		0.974	1.01	mg/L	90	94	4 %
		Silver	EPA 200.7	1203580-008	<0.025		0.078	0.080	mg/L	87	89	3 %
		Sodium	EPA 200.7	1203580-008	17.0		27.1	26.2	mg/L	101	92	3 %
		Strontium	EPA 200.7	1203580-008	<0.500		1.36	1.37	mg/L	93	94	1 %
		Tin	EPA 200.7	1203580-008	<0.500		0.867	0.836	mg/L	99	96	4 %
		Titanium	EPA 200.7	1203580-008	<0.500		0.974	0.939	mg/L	96	93	4 %
		Vanadium	EPA 200.7	1203580-008	0.795		1.76	1.70	mg/L	96	90	3 %
		Zinc	EPA 200.7	1203580-008	1.47		2.52	2.39	mg/L	105	92	5 %

4/30/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1204257

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 4/13/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1204257

General Comments

None

Specific Comments

The cation/anion balance for samples 1204257-002, 003, 004, 005, 006, and 008 was outside WETLAB acceptance criteria; however, reanalysis confirmed the original results. There is an unidentified analyte present in the ion chromatography analysis that may contribute to improve the balance but since it is an unknown analyte we were not able to investigate further.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1204257-001,002,003,004 Selenium, Thallium, Uranium

1204257-005 All Metals

1204257-006,007,008 Selenium, Thallium

The reporting limits have been adjusted accordingly.

Due to a laboratory oversight the analysis for Nitrate Nitrogen on all submitted samples was performed past the EPA recommended holding time. We apologize for any inconvenience this may have caused.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 4/30/2012

OrderID: 1204257

Customer Sample ID: 63515 H-K

Collect Date/Time: 4/13/2012 12:00

WETLAB Sample ID: 1204257-001

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.29	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-374	mg/L as CaCO3		4/18/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO3)	SM 2320B	260	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	42	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	550	mg/L as CaCO3	1.0	4/13/2012
Redox Potential	SM 2580B	92	mV	1	4/13/2012
Chloride	EPA 300.0	22	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	2.8	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	310	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.24	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.72	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	74	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	75	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1500	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	2400	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.32	mg/L	0.045	4/19/2012
Barium	EPA 200.7	0.025	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Calcium	EPA 200.7	6.0	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.23	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Iron	EPA 200.7	2.9	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012

Customer Sample ID: 63515 H-K
WETLAB Sample ID: 1204257-001

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.023	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	0.016	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	15	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	530	mg/L	0.50	4/19/2012
Strontium	EPA 200.7	0.51	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	7.5	mg/L	0.010	4/19/2012
Mercury	EPA 200.8	0.0055	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.33	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	3.6	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.025	mg/L	0.020	4/23/2012
Copper	EPA 200.8	4.7	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.038	mg/L	0.020	4/23/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Anions	Calculation	18.4	meq/L	0.10	
Cations	Calculation	20.5	meq/L	0.10	
Error	Calculation	5.4	%	1.0	

Customer Sample ID: 63516 H-K
WETLAB Sample ID: 1204257-002

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.25	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-324	mg/L as CaCO3		4/18/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO3)	SM 2320B	260	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	37	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	540	mg/L as CaCO3	1.0	4/13/2012
Redox Potential	SM 2580B	80	mV	1	4/13/2012

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Customer Sample ID: 63516 H-K
WETLAB Sample ID: 1204257-002

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	2.8	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	310	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.23	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.60	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	87	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	88	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1700	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	2700	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.31	mg/L	0.045	4/19/2012
Barium	EPA 200.7	0.025	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Calcium	EPA 200.7	12	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	0.0050	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Iron	EPA 200.7	4.0	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.016	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	0.012	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	15	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	580	mg/L	0.50	4/19/2012
Strontium	EPA 200.7	0.76	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	7.8	mg/L	0.010	4/19/2012
Mercury	EPA 200.8	0.0079	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.31	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	3.2	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.024	mg/L	0.020	4/23/2012

Customer Sample ID: 63516 H-K
WETLAB Sample ID: 1204257-002

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Copper	EPA 200.8	4.0	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.037	mg/L	0.020	4/23/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Anions	Calculation	18.1	meq/L	0.10	
Cations	Calculation	23.5	meq/L	0.10	
Error	Calculation	13	%	1.0	

Customer Sample ID: 63517 H-K
WETLAB Sample ID: 1204257-003

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.25	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-418	mg/L as CaCO ₃		4/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO ₃)	SM 2320B	240	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	40	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	510	mg/L as CaCO ₃	1.0	4/13/2012
Redox Potential	SM 2580B	80	mV	1	4/13/2012
Chloride	EPA 300.0	22	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	2.8	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	300	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.23	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.57	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	88	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	89	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1700	Q mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	2800	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.39	mg/L	0.045	4/19/2012
Barium	EPA 200.7	0.035	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Calcium	EPA 200.7	7.1	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	0.0065	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012

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Customer Sample ID: 63517 H-K

Collect Date/Time: 4/13/2012 12:00

WETLAB Sample ID: 1204257-003

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Iron	EPA 200.7	4.4	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.046	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	13	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	560	mg/L	0.50	4/19/2012
Strontium	EPA 200.7	0.65	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	7.5	mg/L	0.010	4/19/2012
Mercury	EPA 200.8	0.0078	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.31	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	3.2	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.024	mg/L	0.020	4/23/2012
Copper	EPA 200.8	3.8	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.046	mg/L	0.020	4/23/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Anions	Calculation	17.4	meq/L	0.10	
Cations	Calculation	21.4	meq/L	0.10	
Error	Calculation	10	%	1.0	

Customer Sample ID: 63518 H-K

Collect Date/Time: 4/13/2012 12:00

WETLAB Sample ID: 1204257-004

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.32	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-406	mg/L as CaCO3		4/18/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO3)	SM 2320B	250	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	56	mg/L	1.0	4/13/2012

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Customer Sample ID: 63518 H-K

Collect Date/Time: 4/13/2012 12:00

WETLAB Sample ID: 1204257-004

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Alkalinity	SM 2320B	580	mg/L as CaCO ₃	1.0	4/13/2012
Redox Potential	SM 2580B	78	mV	1	4/13/2012
Chloride	EPA 300.0	23	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	2.9	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	320	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.25	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.62	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	82	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	83	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1700	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	3000	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.55	mg/L	0.045	4/19/2012
Barium	EPA 200.7	0.091	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Calcium	EPA 200.7	18	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	0.0054	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Iron	EPA 200.7	2.9	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.040	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	0.010	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	15	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	640	mg/L	2.5	4/23/2012
Strontium	EPA 200.7	0.99	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	8.1	mg/L	0.010	4/19/2012
Mercury	EPA 200.8	0.0060	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.32	mg/L	0.020	4/23/2012

Customer Sample ID: 63518 H-K
WETLAB Sample ID: 1204257-004

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Arsenic	EPA 200.8	3.0	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.024	mg/L	0.020	4/23/2012
Copper	EPA 200.8	6.6	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.11	mg/L	0.020	4/23/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Anions	Calculation	19.1	meq/L	0.10	
Cations	Calculation	25.7	meq/L	0.10	
Error	Calculation	15	%	1.0	

Customer Sample ID: 63519 H-K
WETLAB Sample ID: 1204257-005

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.29	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-330	mg/L as CaCO ₃		4/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO ₃)	SM 2320B	270	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	27	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	540	mg/L as CaCO ₃	1.0	4/13/2012
Redox Potential	SM 2580B	76	mV	1	4/13/2012
Chloride	EPA 300.0	25	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	3.1	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	350	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.25	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.66	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	76	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	77	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1800	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	2900	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.87	mg/L	0.22	4/23/2012
Barium	EPA 200.7	0.15	mg/L	0.050	4/23/2012
Beryllium	EPA 200.7	<0.0050	mg/L	0.0050	4/23/2012
Bismuth	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Boron	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Calcium	EPA 200.7	16	mg/L	2.5	4/23/2012
Chromium	EPA 200.7	<0.025	mg/L	0.025	4/23/2012

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Customer Sample ID: 63519 H-K
WETLAB Sample ID: 1204257-005

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.25	mg/L	0.050	4/23/2012
Gallium	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Iron	EPA 200.7	3.2	mg/L	0.050	4/23/2012
Lithium	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Magnesium	EPA 200.7	<2.5	mg/L	2.5	4/23/2012
Manganese	EPA 200.7	0.078	mg/L	0.025	4/23/2012
Molybdenum	EPA 200.7	0.26	mg/L	0.050	4/23/2012
Nickel	EPA 200.7	<0.050	mg/L	0.050	4/23/2012
Phosphorus	EPA 200.7	<2.5	mg/L	2.5	4/23/2012
Potassium	EPA 200.7	14	mg/L	2.5	4/23/2012
Scandium	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Silver	EPA 200.7	<0.025	mg/L	0.025	4/23/2012
Sodium	EPA 200.7	740	mg/L	2.5	4/23/2012
Strontium	EPA 200.7	0.92	mg/L	0.50	4/23/2012
Tin	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Titanium	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Vanadium	EPA 200.7	0.21	mg/L	0.050	4/23/2012
Zinc	EPA 200.7	11	mg/L	0.050	4/23/2012
Mercury	EPA 200.8	0.0073	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.43	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	4.5	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.029	mg/L	0.020	4/23/2012
Copper	EPA 200.8	7.0	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.087	mg/L	0.0025	4/20/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.0020	mg/L	0.0020	4/20/2012
Anions	Calculation	18.8	meq/L	0.10	
Cations	Calculation	30.8	meq/L	0.10	
Error	Calculation	24	%	1.0	

Customer Sample ID: 63520 H-K
WETLAB Sample ID: 1204257-006

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.32	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-348	mg/L as CaCO3		4/18/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	4/13/2012

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Customer Sample ID: 63520 H-K
WETLAB Sample ID: 1204257-006

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Carbonate (CO ₃)	SM 2320B	280	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	33	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	550	mg/L as CaCO ₃	1.0	4/13/2012
Redox Potential	SM 2580B	83	mV	1	4/13/2012
Chloride	EPA 300.0	26	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	2.9	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	300	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.24	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.51	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	85	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	86	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1400	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	2700	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.33	mg/L	0.045	4/19/2012
Barium	EPA 200.7	0.026	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Calcium	EPA 200.7	6.3	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.29	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Iron	EPA 200.7	2.4	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.030	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	17	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	580	mg/L	0.50	4/19/2012
Strontium	EPA 200.7	0.47	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	8.4	mg/L	0.010	4/19/2012

Customer Sample ID: 63520 H-K
WETLAB Sample ID: 1204257-006

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Mercury	EPA 200.8	0.0088	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.36	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	3.8	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.026	mg/L	0.020	4/23/2012
Copper	EPA 200.8	6.7	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.038	mg/L	0.0025	4/20/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.0020	mg/L	0.0020	4/20/2012
Anions	Calculation	18.4	meq/L	0.10	
Cations	Calculation	23.1	meq/L	0.10	
Error	Calculation	11	%	1.0	

Customer Sample ID: 63521 H-K
WETLAB Sample ID: 1204257-007

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.30	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-434	mg/L as CaCO ₃		4/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO ₃)	SM 2320B	290	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	40	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	590	mg/L as CaCO ₃	1.0	4/13/2012
Redox Potential	SM 2580B	85	mV	1	4/13/2012
Chloride	EPA 300.0	33	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	210	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	2.3	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.89	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	60	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	63	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1200	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	2300	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.18	mg/L	0.045	4/19/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/19/2012

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Customer Sample ID: 63521 H-K
WETLAB Sample ID: 1204257-007

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium	EPA 200.7	2.6	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	0.015	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Iron	EPA 200.7	1.4	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.035	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.10	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	0.15	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	8.5	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	420	mg/L	0.50	4/19/2012
Strontium	EPA 200.7	0.25	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	5.0	mg/L	0.010	4/19/2012
Mercury	EPA 200.8	0.0056	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.18	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	3.1	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.0051	mg/L	0.0050	4/23/2012
Copper	EPA 200.8	3.6	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.016	mg/L	0.0025	4/20/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.0020	mg/L	0.0020	4/20/2012
Anions	Calculation	17.6	meq/L	0.10	
Cations	Calculation	14.6	meq/L	0.10	
Error	Calculation	9.5	%	1.0	

Customer Sample ID: 63522 H-K
WETLAB Sample ID: 1204257-008

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.12	pH Units		4/13/2012

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Customer Sample ID: 63522 H-K
WETLAB Sample ID: 1204257-008

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Acidity (Titrimetric)	SM 2310B	-404	mg/L as CaCO ₃		4/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO ₃)	SM 2320B	280	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	25	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	540	mg/L as CaCO ₃	1.0	4/13/2012
Redox Potential	SM 2580B	78	mV	1	4/13/2012
Chloride	EPA 300.0	280	mg/L	1.0	4/27/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	180	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.30	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	1.3	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	42	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	43	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1700	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	4000	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.44	mg/L	0.045	4/19/2012
Barium	EPA 200.7	0.050	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	0.84	mg/L	0.10	4/19/2012
Calcium	EPA 200.7	36	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	0.012	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.093	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Iron	EPA 200.7	1.7	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	1.6	mg/L	0.10	4/19/2012
Magnesium	EPA 200.7	170	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.11	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.092	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	0.015	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	9.8	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	440	mg/L	0.50	4/19/2012
Strontium	EPA 200.7	0.80	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012

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Customer Sample ID: 63522 H-K
WETLAB Sample ID: 1204257-008

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Vanadium	EPA 200.7	0.19	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	3.3	mg/L	0.010	4/19/2012
Mercury	EPA 200.8	0.0061	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.19	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	3.6	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.0061	mg/L	0.0050	4/23/2012
Copper	EPA 200.8	2.8	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.088	mg/L	0.0025	4/20/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.0020	mg/L	0.0020	4/20/2012
Anions	Calculation	22.6	meq/L	0.10	
Cations	Calculation	35.5	meq/L	0.10	
Error	Calculation	22	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12040481	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12040481	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12040481	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12040493	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12040495	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040495	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040495	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040503	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12040503	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12040503	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12040537	Blank 1	Chloride	EPA 300.0	<0.10	mg/L
QC12040537	Blank 2	Chloride	EPA 300.0	<0.10	mg/L
QC12040565	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040565	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040565	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040599	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12040599	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12040611	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12040611	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12040669	Blank 1	Uranium, Dissolved	EPA 200.8	<0.0050	mg/L
		Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Copper, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
		Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units		
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L		
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L		
		Tin, Dissolved	EPA 200.7	<0.10	mg/L		
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L		
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L		
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L		
QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12040469	LCS 1	Redox Potential	SM 2580B	224	221	101	mV
QC12040481	LCS 1	Fluoride	EPA 300.0	2.02	2.00	101	mg/L
QC12040485	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12040485	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12040485	LCS 3	pH	SM 4500-H+ B	7.02	7.00	100	pH Units
QC12040492	LCS 1	Alkalinity	SM 2320B	99.5	100	100	mg/L
QC12040492	LCS 2	Alkalinity	SM 2320B	99.6	100	100	mg/L
QC12040492	LCS 3	Alkalinity	SM 2320B	99.8	100	100	mg/L
QC12040493	LCS 1	Electrical Conductivity	SM 2510B	1418	1412	100	µmhos/cm
QC12040495	LCS 1	Nitrite Nitrogen	EPA 300.0	0.464	0.500	93	mg/L
QC12040503	LCS 1	Sulfate	EPA 300.0	25.2	25.0	101	mg/L
QC12040537	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12040565	LCS 1	Nitrate Nitrogen	EPA 300.0	2.17	2.00	108	mg/L
QC12040599	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	143	150	95	mg/L
QC12040599	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	155	150	103	mg/L
QC12040611	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.736	0.690	107	mg/L
QC12040669	LCS 1	Mercury	EPA 200.8	0.001117	0.001	112	mg/L
		Antimony	EPA 200.8	0.0095	0.010	95	mg/L
		Arsenic	EPA 200.8	0.0470	0.050	94	mg/L
		Cadmium	EPA 200.8	0.0094	0.010	94	mg/L
		Copper	EPA 200.8	0.0089	0.010	89	mg/L
		Lead	EPA 200.8	0.0094	0.010	94	mg/L
		Selenium	EPA 200.8	0.0517	0.050	103	mg/L
		Thallium	EPA 200.8	0.0095	0.010	95	mg/L
		Uranium	EPA 200.8	0.0094	0.010	94	mg/L
QC12040694	LCS 1	Aluminum	EPA 200.7	0.967	1.00	97	mg/L
		Barium	EPA 200.7	0.934	1.00	93	mg/L
		Beryllium	EPA 200.7	0.908	1.00	91	mg/L
		Bismuth	EPA 200.7	0.928	1.00	93	mg/L
		Boron	EPA 200.7	0.887	1.00	89	mg/L
		Calcium	EPA 200.7	9.69	10.0	97	mg/L
		Chromium	EPA 200.7	0.923	1.00	92	mg/L
		Cobalt	EPA 200.7	0.921	1.00	92	mg/L
		Gallium	EPA 200.7	0.939	1.00	94	mg/L
		Iron	EPA 200.7	0.945	1.00	94	mg/L
		Lithium	EPA 200.7	0.935	1.00	94	mg/L
		Magnesium	EPA 200.7	9.24	10.0	92	mg/L
		Manganese	EPA 200.7	0.935	1.00	94	mg/L
		Molybdenum	EPA 200.7	0.919	1.00	92	mg/L
		Nickel	EPA 200.7	4.57	5.00	91	mg/L
		Phosphorus	EPA 200.7	4.48	5.00	90	mg/L
		Potassium	EPA 200.7	9.86	10.0	99	mg/L
		Scandium	EPA 200.7	0.949	1.00	95	mg/L
		Silver	EPA 200.7	0.084	0.090	94	mg/L
		Sodium	EPA 200.7	9.97	10.0	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Strontium	EPA 200.7	1.02	1.00	102	mg/L	
		Tin	EPA 200.7	0.909	1.00	91	mg/L	
		Titanium	EPA 200.7	0.999	1.00	100	mg/L	
		Vanadium	EPA 200.7	0.927	1.00	93	mg/L	
		Zinc	EPA 200.7	0.905	1.00	90	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12040469	Duplicate	Redox Potential	SM 2580B	1204257-001	91.5	90.8	mV	1 %
QC12040469	Duplicate	Redox Potential	SM 2580B	1204265-001	414	411	mV	1 %
QC12040485	Duplicate	pH	SM 4500-H+ B	1204242-001	7.43	7.45	pH Units	<1%
QC12040485	Duplicate	pH	SM 4500-H+ B	1204256-003	7.73	7.73	pH Units	<1%
QC12040485	Duplicate	pH	SM 4500-H+ B	1204257-001	10.3	10.3	pH Units	<1%
QC12040485	Duplicate	pH	SM 4500-H+ B	1204261-001	8.50	8.53	pH Units	<1%
QC12040485	Duplicate	pH	SM 4500-H+ B	1204262-006	7.91	7.95	pH Units	1 %
QC12040485	Duplicate	pH	SM 4500-H+ B	1204264-002	7.17	6.98	pH Units	3 %
QC12040485	Duplicate	pH	SM 4500-H+ B	1204266-001	7.65	7.72	pH Units	1 %
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204242-001	318	318	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1204242-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1204242-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1204242-001	261	261	mg/L as CaCO3	<1%
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204256-003	101	100	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1204256-003	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1204256-003	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1204256-003	83.0	82.3	mg/L as CaCO3	1 %
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204257-001	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1204257-001	257	256	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1204257-001	41.8	44.4	mg/L	6 %
		Total Alkalinity	SM 2320B	1204257-001	550	556	mg/L as CaCO3	1 %
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204261-001	89.9	87.7	mg/L	2 %
		Carbonate (CO3)	SM 2320B	1204261-001	3.19	3.61	mg/L	12 %
		Hydroxide (OH)	SM 2320B	1204261-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1204261-001	79.0	78.0	mg/L as CaCO3	1 %
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204262-006	72.9	72.9	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1204262-006	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1204262-006	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1204262-006	59.8	59.8	mg/L as CaCO3	<1%
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204264-002	10.1	8.40	mg/L	18 %
		Carbonate (CO3)	SM 2320B	1204264-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1204264-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1204264-002	8.27	6.90	mg/L as CaCO3	18 %
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204266-001	41.7	43.0	mg/L	3 %
		Carbonate (CO3)	SM 2320B	1204266-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1204266-001	<1.000	<1.000	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12040493	Duplicate	Total Alkalinity	SM 2320B	1204266-001	34.2	35.3	mg/L as CaCO3	3 %
QC12040493	Duplicate	Electrical Conductivity	SM 2510B	1204242-001	660	671	µmhos/cm	2 %
QC12040493	Duplicate	Electrical Conductivity	SM 2510B	1204257-008	3990	4010	µmhos/cm	<1%
QC12040599	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1204242-001	418	391	Q mg/L	7 %
QC12040599	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1204257-003	1672	1776	Q mg/L	6 %
QC12040599	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1204261-005	113	121	mg/L	7 %
QC12040599	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1204267-001	285	274	mg/L	4 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12040481	MS 1	Fluoride	EPA 300.0	1204261-003	1.55	3.20	3.19	2.00	mg/L	82	82	<1%
QC12040481	MS 2	Fluoride	EPA 300.0	1204262-008	1.12	4.91	4.93	2.00	mg/L	95	95	<1%
QC12040495	MS 1	Nitrite Nitrogen	EPA 300.0	1204233-002	<0.025	0.460	0.462	0.500	mg/L	91	91	<1%
QC12040495	MS 2	Nitrite Nitrogen	EPA 300.0	1204257-001	0.718	5.92	5.93	0.500	mg/L	118	119	<1%
QC12040503	MS 1	Sulfate	EPA 300.0	1204257-001	305	403	403	10.0	mg/L	98	98	<1%
QC12040503	MS 2	Sulfate	EPA 300.0	1204261-003	7.69	17.4	17.5	10.0	mg/L	98	98	1 %
QC12040537	MS 1	Chloride	EPA 300.0	1204257-001	22.1	74.9	75.0	5.00	mg/L	106	106	<1%
QC12040565	MS 1	Nitrate Nitrogen	EPA 300.0	1204280-001	0.143	HT 0.570	0.590	0.500	mg/L	108	111	3 %
QC12040565	MS 2	Nitrate Nitrogen	EPA 300.0	1204281-008	3.09	3.67	3.58	0.500	mg/L	116	98	2 %
QC12040611	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1204311-001	0.414	1.13	1.03	0.690	mg/L	104	90	9 %
QC12040669	MS 1	Uranium, Dissolved	EPA 200.8	1204336-002	0.0121	0.0196	0.0162	0.010	mg/L	74	41	19 %
		Mercury, Dissolved	EPA 200.8	1204336-002	0.001100	M 0.002415	0.002025	0.001	mg/L	NC	NC	NC
		Antimony, Dissolved	EPA 200.8	1204336-002	<0.0050	0.0130	0.0131	0.010	mg/L	114	115	1 %
		Arsenic, Dissolved	EPA 200.8	1204336-002	1.4698	SC 1.5958	1.5645	0.050	mg/L	NC	NC	NC
		Cadmium, Dissolved	EPA 200.8	1204336-002	<0.0050	0.0145	0.0140	0.010	mg/L	97	92	4 %
		Copper, Dissolved	EPA 200.8	1204336-002	<0.0100	0.0187	0.0184	0.010	mg/L	105	102	2 %
		Lead, Dissolved	EPA 200.8	1204336-002	<0.0025	0.0073	0.0065	0.010	mg/L	73	65	12 %
		Selenium, Dissolved	EPA 200.8	1204336-002	<0.0250	0.0540	0.0549	0.050	mg/L	103	104	2 %
		Thallium, Dissolved	EPA 200.8	1204336-002	<0.0050	0.0139	0.0142	0.010	mg/L	102	105	2 %
QC12040694	MS 1	Aluminum, Dissolved	EPA 200.7	1204336-002	<0.045	0.810	0.844	1.00	mg/L	81	84	4 %
		Barium, Dissolved	EPA 200.7	1204336-002	0.011	0.952	0.790	1.00	mg/L	94	78	19 %
		Beryllium, Dissolved	EPA 200.7	1204336-002	<0.001	0.945	0.930	1.00	mg/L	95	93	2 %
		Bismuth, Dissolved	EPA 200.7	1204336-002	<0.100	0.955	0.936	1.00	mg/L	100	98	2 %
		Boron, Dissolved	EPA 200.7	1204336-002	<0.100	0.914	0.906	1.00	mg/L	94	93	1 %
		Calcium, Dissolved	EPA 200.7	1204336-002	379	SC 440	391	10.0	mg/L	NC	NC	NC
		Chromium, Dissolved	EPA 200.7	1204336-002	<0.005	0.944	0.935	1.00	mg/L	94	93	1 %
		Cobalt, Dissolved	EPA 200.7	1204336-002	1.43	M 1.55	1.19	1.00	mg/L	NC	NC	NC
		Gallium, Dissolved	EPA 200.7	1204336-002	<0.100	0.801	0.835	1.00	mg/L	79	83	4 %
		Iron, Dissolved	EPA 200.7	1204336-002	5.18	SC 6.58	6.29	1.00	mg/L	NC	NC	NC
		Lithium, Dissolved	EPA 200.7	1204336-002	0.227	1.37	1.31	1.00	mg/L	114	108	4 %
		Magnesium, Dissolved	EPA 200.7	1204336-002	203	SC 239	214	10.0	mg/L	NC	NC	NC
		Manganese, Dissolved	EPA 200.7	1204336-002	1.49	2.55	2.54	1.00	mg/L	106	105	<1%
		Molybdenum, Dissolved	EPA 200.7	1204336-002	2.01	3.11	3.06	1.00	mg/L	110	105	2 %
		Nickel, Dissolved	EPA 200.7	1204336-002	0.229	4.92	4.76	5.00	mg/L	94	91	3 %
		Phosphorus, Dissolved	EPA 200.7	1204336-002	<0.500	5.73	5.40	5.00	mg/L	113	107	6 %
		Potassium, Dissolved	EPA 200.7	1204336-002	110	SC 130	120	10.0	mg/L	NC	NC	NC
		Scandium, Dissolved	EPA 200.7	1204336-002	<0.100	0.952	0.969	1.00	mg/L	95	97	2 %
		Silver, Dissolved	EPA 200.7	1204336-002	<0.005	0.086	0.083	0.090	mg/L	99	96	4 %
		Sodium, Dissolved	EPA 200.7	1204336-002	676	SC 721	752	10.0	mg/L	NC	NC	NC
		Strontium, Dissolved	EPA 200.7	1204336-002	1.81	2.86	2.72	1.00	mg/L	105	91	5 %
		Tin, Dissolved	EPA 200.7	1204336-002	<0.100	0.940	0.878	1.00	mg/L	102	96	7 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Titanium, Dissolved	EPA 200.7	1204336-002	<0.100	1.01	0.965	1.00	mg/L	101	97	5 %
		Vanadium, Dissolved	EPA 200.7	1204336-002	0.067	1.03	1.03	1.00	mg/L	96	96	<1%
		Zinc, Dissolved	EPA 200.7	1204336-002	0.017	1.04	0.966	1.00	mg/L	102	95	7 %

5/4/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1204257

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 4/13/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1204257

General Comments

Due to a laboratory oversight the submitted samples were not analyzed in the order the client had intended. However it should be noted that the Trace Metals analyses (EPA 200.7 and 200.8) were performed using aliquots taken from the following bottles:

1204257-001 from 63515H
1204257-002 from 63516H
1204257-003 from 63517H
1204257-004 from 63518H
1204257-005 from 63519H
1204257-006 from 63520H
1204257-007 from 63521H
1204257-008 from 63522I

We apologize for any inconvenience this may have caused.

Specific Comments

The cation/anion balance for samples 1204257-002, 003, 004, 005, 006, and 008 was outside WETLAB acceptance criteria; however, reanalysis confirmed the original results. There is an unidentified analyte present in the ion chromatography analysis that may contribute to improve the balance but since it is an unknown analyte we were not able to investigate further.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1204257-001,002,003,004 Selenium, Thallium, Uranium
1204257-005 All Metals
1204257-006,007,008 Selenium, Thallium

The reporting limits have been adjusted accordingly.

Due to a laboratory oversight the analysis for Nitrate Nitrogen on all submitted samples was performed past the EPA recommended holding time. We apologize for any inconvenience this may have caused.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 5/4/2012

OrderID: 1204257

Customer Sample ID: 63515 H-K

Collect Date/Time: 4/13/2012 12:00

WETLAB Sample ID: 1204257-001

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.29	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-374	mg/L as CaCO3		4/18/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO3)	SM 2320B	260	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	42	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	550	mg/L as CaCO3	1.0	4/13/2012
Redox Potential	SM 2580B	92	mV	1	4/13/2012
Chloride	EPA 300.0	22	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	2.8	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	310	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.24	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.72	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	74	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	75	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1500	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	2400	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.32	mg/L	0.045	4/19/2012
Barium	EPA 200.7	0.025	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Calcium	EPA 200.7	6.0	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.23	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Iron	EPA 200.7	2.9	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012

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Customer Sample ID: 63515 H-K
WETLAB Sample ID: 1204257-001

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.023	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	0.016	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	15	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	530	mg/L	0.50	4/19/2012
Strontium	EPA 200.7	0.51	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	7.5	mg/L	0.010	4/19/2012
Mercury	EPA 200.8	0.0055	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.33	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	3.6	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.025	mg/L	0.020	4/23/2012
Copper	EPA 200.8	4.7	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.038	mg/L	0.020	4/23/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Anions	Calculation	18.4	meq/L	0.10	
Cations	Calculation	20.5	meq/L	0.10	
Error	Calculation	5.4	%	1.0	

Customer Sample ID: 63516 H-K
WETLAB Sample ID: 1204257-002

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.25	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-324	mg/L as CaCO3		4/18/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO3)	SM 2320B	260	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	37	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	540	mg/L as CaCO3	1.0	4/13/2012
Redox Potential	SM 2580B	80	mV	1	4/13/2012

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Customer Sample ID: 63516 H-K
WETLAB Sample ID: 1204257-002

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	23	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	2.8	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	310	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.23	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.60	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	87	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	88	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1700	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	2700	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.31	mg/L	0.045	4/19/2012
Barium	EPA 200.7	0.025	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Calcium	EPA 200.7	12	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	0.0050	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Iron	EPA 200.7	4.0	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.016	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	0.012	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	15	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	580	mg/L	0.50	4/19/2012
Strontium	EPA 200.7	0.76	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	7.8	mg/L	0.010	4/19/2012
Mercury	EPA 200.8	0.0079	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.31	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	3.2	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.024	mg/L	0.020	4/23/2012

Customer Sample ID: 63516 H-K
WETLAB Sample ID: 1204257-002

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Copper	EPA 200.8	4.0	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.037	mg/L	0.020	4/23/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Anions	Calculation	18.1	meq/L	0.10	
Cations	Calculation	23.5	meq/L	0.10	
Error	Calculation	13	%	1.0	

Customer Sample ID: 63517 H-K
WETLAB Sample ID: 1204257-003

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.25	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-418	mg/L as CaCO ₃		4/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO ₃)	SM 2320B	240	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	40	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	510	mg/L as CaCO ₃	1.0	4/13/2012
Redox Potential	SM 2580B	80	mV	1	4/13/2012
Chloride	EPA 300.0	22	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	2.8	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	300	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.23	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.57	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	88	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	89	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1700	Q mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	2800	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.39	mg/L	0.045	4/19/2012
Barium	EPA 200.7	0.035	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Calcium	EPA 200.7	7.1	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	0.0065	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012

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Customer Sample ID: 63517 H-K
WETLAB Sample ID: 1204257-003

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Iron	EPA 200.7	4.4	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.046	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	13	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	560	mg/L	0.50	4/19/2012
Strontium	EPA 200.7	0.65	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	7.5	mg/L	0.010	4/19/2012
Mercury	EPA 200.8	0.0078	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.31	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	3.2	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.024	mg/L	0.020	4/23/2012
Copper	EPA 200.8	3.8	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.046	mg/L	0.020	4/23/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Anions	Calculation	17.4	meq/L	0.10	
Cations	Calculation	21.4	meq/L	0.10	
Error	Calculation	10	%	1.0	

Customer Sample ID: 63518 H-K
WETLAB Sample ID: 1204257-004

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.32	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-406	mg/L as CaCO ₃		4/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO ₃)	SM 2320B	250	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	56	mg/L	1.0	4/13/2012

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Customer Sample ID: 63518 H-K
WETLAB Sample ID: 1204257-004

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Alkalinity	SM 2320B	580	mg/L as CaCO ₃	1.0	4/13/2012
Redox Potential	SM 2580B	78	mV	1	4/13/2012
Chloride	EPA 300.0	23	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	2.9	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	320	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.25	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.62	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	82	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	83	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1700	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	3000	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.55	mg/L	0.045	4/19/2012
Barium	EPA 200.7	0.091	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Calcium	EPA 200.7	18	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	0.0054	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Iron	EPA 200.7	2.9	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.040	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	0.010	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	15	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	640	mg/L	2.5	4/23/2012
Strontium	EPA 200.7	0.99	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	8.1	mg/L	0.010	4/19/2012
Mercury	EPA 200.8	0.0060	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.32	mg/L	0.020	4/23/2012

Customer Sample ID: 63518 H-K
WETLAB Sample ID: 1204257-004

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Arsenic	EPA 200.8	3.0	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.024	mg/L	0.020	4/23/2012
Copper	EPA 200.8	6.6	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.11	mg/L	0.020	4/23/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Anions	Calculation	19.1	meq/L	0.10	
Cations	Calculation	25.7	meq/L	0.10	
Error	Calculation	15	%	1.0	

Customer Sample ID: 63519 H-K
WETLAB Sample ID: 1204257-005

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.29	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-330	mg/L as CaCO ₃		4/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO ₃)	SM 2320B	270	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	27	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	540	mg/L as CaCO ₃	1.0	4/13/2012
Redox Potential	SM 2580B	76	mV	1	4/13/2012
Chloride	EPA 300.0	25	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	3.1	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	350	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.25	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.66	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	76	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	77	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1800	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	2900	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.87	mg/L	0.22	4/23/2012
Barium	EPA 200.7	0.15	mg/L	0.050	4/23/2012
Beryllium	EPA 200.7	<0.0050	mg/L	0.0050	4/23/2012
Bismuth	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Boron	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Calcium	EPA 200.7	16	mg/L	2.5	4/23/2012
Chromium	EPA 200.7	<0.025	mg/L	0.025	4/23/2012

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Customer Sample ID: 63519 H-K
WETLAB Sample ID: 1204257-005

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.25	mg/L	0.050	4/23/2012
Gallium	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Iron	EPA 200.7	3.2	mg/L	0.050	4/23/2012
Lithium	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Magnesium	EPA 200.7	<2.5	mg/L	2.5	4/23/2012
Manganese	EPA 200.7	0.078	mg/L	0.025	4/23/2012
Molybdenum	EPA 200.7	0.26	mg/L	0.050	4/23/2012
Nickel	EPA 200.7	<0.050	mg/L	0.050	4/23/2012
Phosphorus	EPA 200.7	<2.5	mg/L	2.5	4/23/2012
Potassium	EPA 200.7	14	mg/L	2.5	4/23/2012
Scandium	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Silver	EPA 200.7	<0.025	mg/L	0.025	4/23/2012
Sodium	EPA 200.7	740	mg/L	2.5	4/23/2012
Strontium	EPA 200.7	0.92	mg/L	0.50	4/23/2012
Tin	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Titanium	EPA 200.7	<0.50	mg/L	0.50	4/23/2012
Vanadium	EPA 200.7	0.21	mg/L	0.050	4/23/2012
Zinc	EPA 200.7	11	mg/L	0.050	4/23/2012
Mercury	EPA 200.8	0.0073	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.43	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	4.5	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.029	mg/L	0.020	4/23/2012
Copper	EPA 200.8	7.0	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.087	mg/L	0.0025	4/20/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.0020	mg/L	0.0020	4/20/2012
Anions	Calculation	18.8	meq/L	0.10	
Cations	Calculation	30.8	meq/L	0.10	
Error	Calculation	24	%	1.0	

Customer Sample ID: 63520 H-K
WETLAB Sample ID: 1204257-006

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.32	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-348	mg/L as CaCO3		4/18/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	4/13/2012

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Customer Sample ID: 63520 H-K
WETLAB Sample ID: 1204257-006

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Carbonate (CO ₃)	SM 2320B	280	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	33	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	550	mg/L as CaCO ₃	1.0	4/13/2012
Redox Potential	SM 2580B	83	mV	1	4/13/2012
Chloride	EPA 300.0	26	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	2.9	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	300	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.24	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.51	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	85	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	86	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1400	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	2700	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.33	mg/L	0.045	4/19/2012
Barium	EPA 200.7	0.026	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Calcium	EPA 200.7	6.3	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.29	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Iron	EPA 200.7	2.4	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.030	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	17	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	580	mg/L	0.50	4/19/2012
Strontium	EPA 200.7	0.47	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	8.4	mg/L	0.010	4/19/2012

Customer Sample ID: 63520 H-K
WETLAB Sample ID: 1204257-006

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Mercury	EPA 200.8	0.0088	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.36	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	3.8	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.026	mg/L	0.020	4/23/2012
Copper	EPA 200.8	6.7	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.038	mg/L	0.0025	4/20/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.0020	mg/L	0.0020	4/20/2012
Anions	Calculation	18.4	meq/L	0.10	
Cations	Calculation	23.1	meq/L	0.10	
Error	Calculation	11	%	1.0	

Customer Sample ID: 63521 H-K
WETLAB Sample ID: 1204257-007

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.30	pH Units		4/13/2012
Acidity (Titrimetric)	SM 2310B	-434	mg/L as CaCO ₃		4/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO ₃)	SM 2320B	290	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	40	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	590	mg/L as CaCO ₃	1.0	4/13/2012
Redox Potential	SM 2580B	85	mV	1	4/13/2012
Chloride	EPA 300.0	33	mg/L	1.0	4/14/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	210	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	2.3	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	0.89	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	60	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	63	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1200	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	2300	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.18	mg/L	0.045	4/19/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	4/19/2012

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Customer Sample ID: 63521 H-K
WETLAB Sample ID: 1204257-007

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium	EPA 200.7	2.6	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	0.015	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Iron	EPA 200.7	1.4	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.035	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.10	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	0.15	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	8.5	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	420	mg/L	0.50	4/19/2012
Strontium	EPA 200.7	0.25	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	5.0	mg/L	0.010	4/19/2012
Mercury	EPA 200.8	0.0056	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.18	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	3.1	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.0051	mg/L	0.0050	4/23/2012
Copper	EPA 200.8	3.6	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.016	mg/L	0.0025	4/20/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.0020	mg/L	0.0020	4/20/2012
Anions	Calculation	17.6	meq/L	0.10	
Cations	Calculation	14.6	meq/L	0.10	
Error	Calculation	9.5	%	1.0	

Customer Sample ID: 63522 H-K
WETLAB Sample ID: 1204257-008

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.12	pH Units		4/13/2012

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Customer Sample ID: 63522 H-K
WETLAB Sample ID: 1204257-008

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Acidity (Titrimetric)	SM 2310B	-404	mg/L as CaCO ₃		4/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	4/13/2012
Carbonate (CO ₃)	SM 2320B	280	mg/L	1.0	4/13/2012
Hydroxide (OH)	SM 2320B	25	mg/L	1.0	4/13/2012
Total Alkalinity	SM 2320B	540	mg/L as CaCO ₃	1.0	4/13/2012
Redox Potential	SM 2580B	78	mV	1	4/13/2012
Chloride	EPA 300.0	280	mg/L	1.0	4/27/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	4/14/2012
Sulfate	EPA 300.0	180	mg/L	10	4/14/2012
Nitrate Nitrogen	EPA 300.0	0.30	HT mg/L	0.010	4/17/2012
Nitrite Nitrogen	EPA 300.0	1.3	mg/L	0.25	4/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	42	mg/L	2.5	4/18/2012
Total Nitrogen	Calc.	43	mg/L	0.070	4/18/2012
Total Dissolved Solids (TDS)	SM 2540C	1700	mg/L	10	4/16/2012
Electrical Conductivity	SM 2510B	4000	µmhos/cm	1	4/16/2012
Aluminum	EPA 200.7	0.44	mg/L	0.045	4/19/2012
Barium	EPA 200.7	0.050	mg/L	0.010	4/19/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	4/19/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Boron	EPA 200.7	0.84	mg/L	0.10	4/19/2012
Calcium	EPA 200.7	36	mg/L	0.50	4/19/2012
Chromium	EPA 200.7	0.012	mg/L	0.0050	4/19/2012
Cobalt	EPA 200.7	0.093	mg/L	0.010	4/19/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Iron	EPA 200.7	1.7	mg/L	0.010	4/19/2012
Lithium	EPA 200.7	1.6	mg/L	0.10	4/19/2012
Magnesium	EPA 200.7	170	mg/L	0.50	4/19/2012
Manganese	EPA 200.7	0.11	mg/L	0.0050	4/19/2012
Molybdenum	EPA 200.7	0.092	mg/L	0.010	4/19/2012
Nickel	EPA 200.7	0.015	mg/L	0.010	4/19/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	4/19/2012
Potassium	EPA 200.7	9.8	mg/L	0.50	4/19/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	4/19/2012
Sodium	EPA 200.7	440	mg/L	0.50	4/19/2012
Strontium	EPA 200.7	0.80	mg/L	0.10	4/19/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	4/19/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/19/2012

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Customer Sample ID: 63522 H-K
WETLAB Sample ID: 1204257-008

Collect Date/Time: 4/13/2012 12:00

Receive Date: 4/13/2012 13:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Vanadium	EPA 200.7	0.19	mg/L	0.010	4/19/2012
Zinc	EPA 200.7	3.3	mg/L	0.010	4/19/2012
Mercury	EPA 200.8	0.0061	mg/L	0.0020	4/23/2012
Antimony	EPA 200.8	0.19	mg/L	0.020	4/23/2012
Arsenic	EPA 200.8	3.6	mg/L	0.10	4/23/2012
Cadmium	EPA 200.8	0.0061	mg/L	0.0050	4/23/2012
Copper	EPA 200.8	2.8	mg/L	0.040	4/23/2012
Lead	EPA 200.8	0.088	mg/L	0.0025	4/20/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	4/23/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	4/23/2012
Uranium	EPA 200.8	<0.0020	mg/L	0.0020	4/20/2012
Anions	Calculation	22.6	meq/L	0.10	
Cations	Calculation	35.5	meq/L	0.10	
Error	Calculation	22	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12040481	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12040481	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12040481	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12040493	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12040495	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040495	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040495	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12040503	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12040503	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12040503	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12040537	Blank 1	Chloride	EPA 300.0	<0.10	mg/L
QC12040537	Blank 2	Chloride	EPA 300.0	<0.10	mg/L
QC12040565	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040565	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040565	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12040599	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12040599	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12040611	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12040611	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12040669	Blank 1	Uranium, Dissolved	EPA 200.8	<0.0050	mg/L
		Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Copper, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
		Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
QC12040694	Blank 1	Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units		
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L		
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L		
		Tin, Dissolved	EPA 200.7	<0.10	mg/L		
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L		
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L		
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L		
QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12040469	LCS 1	Redox Potential	SM 2580B	224	221	101	mV
QC12040481	LCS 1	Fluoride	EPA 300.0	2.02	2.00	101	mg/L
QC12040485	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12040485	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12040485	LCS 3	pH	SM 4500-H+ B	7.02	7.00	100	pH Units
QC12040492	LCS 1	Alkalinity	SM 2320B	99.5	100	100	mg/L
QC12040492	LCS 2	Alkalinity	SM 2320B	99.6	100	100	mg/L
QC12040492	LCS 3	Alkalinity	SM 2320B	99.8	100	100	mg/L
QC12040493	LCS 1	Electrical Conductivity	SM 2510B	1418	1412	100	µmhos/cm
QC12040495	LCS 1	Nitrite Nitrogen	EPA 300.0	0.464	0.500	93	mg/L
QC12040503	LCS 1	Sulfate	EPA 300.0	25.2	25.0	101	mg/L
QC12040537	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12040565	LCS 1	Nitrate Nitrogen	EPA 300.0	2.17	2.00	108	mg/L
QC12040599	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	143	150	95	mg/L
QC12040599	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	155	150	103	mg/L
QC12040611	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.736	0.690	107	mg/L
QC12040669	LCS 1	Mercury	EPA 200.8	0.001117	0.001	112	mg/L
		Antimony	EPA 200.8	0.0095	0.010	95	mg/L
		Arsenic	EPA 200.8	0.0470	0.050	94	mg/L
		Cadmium	EPA 200.8	0.0094	0.010	94	mg/L
		Copper	EPA 200.8	0.0089	0.010	89	mg/L
		Lead	EPA 200.8	0.0094	0.010	94	mg/L
		Selenium	EPA 200.8	0.0517	0.050	103	mg/L
		Thallium	EPA 200.8	0.0095	0.010	95	mg/L
		Uranium	EPA 200.8	0.0094	0.010	94	mg/L
QC12040694	LCS 1	Aluminum	EPA 200.7	0.967	1.00	97	mg/L
		Barium	EPA 200.7	0.934	1.00	93	mg/L
		Beryllium	EPA 200.7	0.908	1.00	91	mg/L
		Bismuth	EPA 200.7	0.928	1.00	93	mg/L
		Boron	EPA 200.7	0.887	1.00	89	mg/L
		Calcium	EPA 200.7	9.69	10.0	97	mg/L
		Chromium	EPA 200.7	0.923	1.00	92	mg/L
		Cobalt	EPA 200.7	0.921	1.00	92	mg/L
		Gallium	EPA 200.7	0.939	1.00	94	mg/L
		Iron	EPA 200.7	0.945	1.00	94	mg/L
		Lithium	EPA 200.7	0.935	1.00	94	mg/L
		Magnesium	EPA 200.7	9.24	10.0	92	mg/L
		Manganese	EPA 200.7	0.935	1.00	94	mg/L
		Molybdenum	EPA 200.7	0.919	1.00	92	mg/L
		Nickel	EPA 200.7	4.57	5.00	91	mg/L
		Phosphorus	EPA 200.7	4.48	5.00	90	mg/L
		Potassium	EPA 200.7	9.86	10.0	99	mg/L
		Scandium	EPA 200.7	0.949	1.00	95	mg/L
		Silver	EPA 200.7	0.084	0.090	94	mg/L
		Sodium	EPA 200.7	9.97	10.0	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Strontium	EPA 200.7	1.02	1.00	102	mg/L	
		Tin	EPA 200.7	0.909	1.00	91	mg/L	
		Titanium	EPA 200.7	0.999	1.00	100	mg/L	
		Vanadium	EPA 200.7	0.927	1.00	93	mg/L	
		Zinc	EPA 200.7	0.905	1.00	90	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12040469	Duplicate	Redox Potential	SM 2580B	1204257-001	91.5	90.8	mV	1 %
QC12040469	Duplicate	Redox Potential	SM 2580B	1204265-001	414	411	mV	1 %
QC12040485	Duplicate	pH	SM 4500-H+ B	1204242-001	7.43	7.45	pH Units	<1%
QC12040485	Duplicate	pH	SM 4500-H+ B	1204256-003	7.73	7.73	pH Units	<1%
QC12040485	Duplicate	pH	SM 4500-H+ B	1204257-001	10.3	10.3	pH Units	<1%
QC12040485	Duplicate	pH	SM 4500-H+ B	1204261-001	8.50	8.53	pH Units	<1%
QC12040485	Duplicate	pH	SM 4500-H+ B	1204262-006	7.91	7.95	pH Units	1 %
QC12040485	Duplicate	pH	SM 4500-H+ B	1204264-002	7.17	6.98	pH Units	3 %
QC12040485	Duplicate	pH	SM 4500-H+ B	1204266-001	7.65	7.72	pH Units	1 %
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204242-001	318	318	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1204242-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1204242-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1204242-001	261	261	mg/L as CaCO3	<1%
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204256-003	101	100	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1204256-003	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1204256-003	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1204256-003	83.0	82.3	mg/L as CaCO3	1 %
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204257-001	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1204257-001	257	256	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1204257-001	41.8	44.4	mg/L	6 %
		Total Alkalinity	SM 2320B	1204257-001	550	556	mg/L as CaCO3	1 %
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204261-001	89.9	87.7	mg/L	2 %
		Carbonate (CO3)	SM 2320B	1204261-001	3.19	3.61	mg/L	12 %
		Hydroxide (OH)	SM 2320B	1204261-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1204261-001	79.0	78.0	mg/L as CaCO3	1 %
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204262-006	72.9	72.9	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1204262-006	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1204262-006	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1204262-006	59.8	59.8	mg/L as CaCO3	<1%
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204264-002	10.1	8.40	mg/L	18 %
		Carbonate (CO3)	SM 2320B	1204264-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1204264-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1204264-002	8.27	6.90	mg/L as CaCO3	18 %
QC12040492	Duplicate	Bicarbonate (HCO3)	SM 2320B	1204266-001	41.7	43.0	mg/L	3 %
		Carbonate (CO3)	SM 2320B	1204266-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1204266-001	<1.000	<1.000	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12040493	Duplicate	Total Alkalinity	SM 2320B	1204266-001	34.2	35.3	mg/L as CaCO3	3 %
QC12040493	Duplicate	Electrical Conductivity	SM 2510B	1204242-001	660	671	µmhos/cm	2 %
QC12040493	Duplicate	Electrical Conductivity	SM 2510B	1204257-008	3990	4010	µmhos/cm	<1%
QC12040599	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1204242-001	418	391	Q mg/L	7 %
QC12040599	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1204257-003	1672	1776	Q mg/L	6 %
QC12040599	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1204261-005	113	121	mg/L	7 %
QC12040599	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1204267-001	285	274	mg/L	4 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12040481	MS 1	Fluoride	EPA 300.0	1204261-003	1.55	3.20	3.19	2.00	mg/L	82	82	<1%
QC12040481	MS 2	Fluoride	EPA 300.0	1204262-008	1.12	4.91	4.93	2.00	mg/L	95	95	<1%
QC12040495	MS 1	Nitrite Nitrogen	EPA 300.0	1204233-002	<0.025	0.460	0.462	0.500	mg/L	91	91	<1%
QC12040495	MS 2	Nitrite Nitrogen	EPA 300.0	1204257-001	0.718	5.92	5.93	0.500	mg/L	118	119	<1%
QC12040503	MS 1	Sulfate	EPA 300.0	1204257-001	305	403	403	10.0	mg/L	98	98	<1%
QC12040503	MS 2	Sulfate	EPA 300.0	1204261-003	7.69	17.4	17.5	10.0	mg/L	98	98	1 %
QC12040537	MS 1	Chloride	EPA 300.0	1204257-001	22.1	74.9	75.0	5.00	mg/L	106	106	<1%
QC12040565	MS 1	Nitrate Nitrogen	EPA 300.0	1204280-001	0.143	HT 0.570	0.590	0.500	mg/L	108	111	3 %
QC12040565	MS 2	Nitrate Nitrogen	EPA 300.0	1204281-008	3.09	3.67	3.58	0.500	mg/L	116	98	2 %
QC12040611	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1204311-001	0.414	1.13	1.03	0.690	mg/L	104	90	9 %
QC12040669	MS 1	Uranium, Dissolved	EPA 200.8	1204336-002	0.0121	0.0196	0.0162	0.010	mg/L	74	41	19 %
		Mercury, Dissolved	EPA 200.8	1204336-002	0.001100	M 0.002415	0.002025	0.001	mg/L	NC	NC	NC
		Antimony, Dissolved	EPA 200.8	1204336-002	<0.0050	0.0130	0.0131	0.010	mg/L	114	115	1 %
		Arsenic, Dissolved	EPA 200.8	1204336-002	1.4698	SC 1.5958	1.5645	0.050	mg/L	NC	NC	NC
		Cadmium, Dissolved	EPA 200.8	1204336-002	<0.0050	0.0145	0.0140	0.010	mg/L	97	92	4 %
		Copper, Dissolved	EPA 200.8	1204336-002	<0.0100	0.0187	0.0184	0.010	mg/L	105	102	2 %
		Lead, Dissolved	EPA 200.8	1204336-002	<0.0025	0.0073	0.0065	0.010	mg/L	73	65	12 %
		Selenium, Dissolved	EPA 200.8	1204336-002	<0.0250	0.0540	0.0549	0.050	mg/L	103	104	2 %
		Thallium, Dissolved	EPA 200.8	1204336-002	<0.0050	0.0139	0.0142	0.010	mg/L	102	105	2 %
QC12040694	MS 1	Aluminum, Dissolved	EPA 200.7	1204336-002	<0.045	0.810	0.844	1.00	mg/L	81	84	4 %
		Barium, Dissolved	EPA 200.7	1204336-002	0.011	0.952	0.790	1.00	mg/L	94	78	19 %
		Beryllium, Dissolved	EPA 200.7	1204336-002	<0.001	0.945	0.930	1.00	mg/L	95	93	2 %
		Bismuth, Dissolved	EPA 200.7	1204336-002	<0.100	0.955	0.936	1.00	mg/L	100	98	2 %
		Boron, Dissolved	EPA 200.7	1204336-002	<0.100	0.914	0.906	1.00	mg/L	94	93	1 %
		Calcium, Dissolved	EPA 200.7	1204336-002	379	SC 440	391	10.0	mg/L	NC	NC	NC
		Chromium, Dissolved	EPA 200.7	1204336-002	<0.005	0.944	0.935	1.00	mg/L	94	93	1 %
		Cobalt, Dissolved	EPA 200.7	1204336-002	1.43	M 1.55	1.19	1.00	mg/L	NC	NC	NC
		Gallium, Dissolved	EPA 200.7	1204336-002	<0.100	0.801	0.835	1.00	mg/L	79	83	4 %
		Iron, Dissolved	EPA 200.7	1204336-002	5.18	SC 6.58	6.29	1.00	mg/L	NC	NC	NC
		Lithium, Dissolved	EPA 200.7	1204336-002	0.227	1.37	1.31	1.00	mg/L	114	108	4 %
		Magnesium, Dissolved	EPA 200.7	1204336-002	203	SC 239	214	10.0	mg/L	NC	NC	NC
		Manganese, Dissolved	EPA 200.7	1204336-002	1.49	2.55	2.54	1.00	mg/L	106	105	<1%
		Molybdenum, Dissolved	EPA 200.7	1204336-002	2.01	3.11	3.06	1.00	mg/L	110	105	2 %
		Nickel, Dissolved	EPA 200.7	1204336-002	0.229	4.92	4.76	5.00	mg/L	94	91	3 %
		Phosphorus, Dissolved	EPA 200.7	1204336-002	<0.500	5.73	5.40	5.00	mg/L	113	107	6 %
		Potassium, Dissolved	EPA 200.7	1204336-002	110	SC 130	120	10.0	mg/L	NC	NC	NC
		Scandium, Dissolved	EPA 200.7	1204336-002	<0.100	0.952	0.969	1.00	mg/L	95	97	2 %
		Silver, Dissolved	EPA 200.7	1204336-002	<0.005	0.086	0.083	0.090	mg/L	99	96	4 %
		Sodium, Dissolved	EPA 200.7	1204336-002	676	SC 721	752	10.0	mg/L	NC	NC	NC
		Strontium, Dissolved	EPA 200.7	1204336-002	1.81	2.86	2.72	1.00	mg/L	105	91	5 %
		Tin, Dissolved	EPA 200.7	1204336-002	<0.100	0.940	0.878	1.00	mg/L	102	96	7 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Titanium, Dissolved	EPA 200.7	1204336-002	<0.100	1.01	0.965	1.00	mg/L	101	97	5 %
		Vanadium, Dissolved	EPA 200.7	1204336-002	0.067	1.03	1.03	1.00	mg/L	96	96	<1%
		Zinc, Dissolved	EPA 200.7	1204336-002	0.017	1.04	0.966	1.00	mg/L	102	95	7 %

5/25/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1205098

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 5/4/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1205098

General Comments

Due to lack of sample volume some analyses were not performed

Specific Comments

The cation/anion balance for numerous samples was outside WETLAB acceptance criteria; However, there are two unidentified analytes (anions) present in the ion chromatography analysis that may contribute to improve the balance but since it is an unknown analyte we were not able to investigate further. The unidentified analytes are seen in all submitted samples however the cation/anion balances for some samples were considered acceptable.

Due to the sample matrix it was necessary to analyze Nitrate Nitrogen for all submitted samples at a dilution. The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 5/25/2012

OrderID: 1205098

Customer Sample ID: 63515 L

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-001

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.43	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	260	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	63	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	70	mV	1	5/16/2012
Chloride	EPA 300.0	15	mg/L	1.5	5/4/2012
Fluoride	EPA 300.0	2.6	mg/L	1.0	5/4/2012
Sulfate	EPA 300.0	180	mg/L	15	5/4/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/4/2012
Nitrite Nitrogen	EPA 300.0	0.52	mg/L	0.30	5/4/2012
Electrical Conductivity	SM 2510B	2800	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.33	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.010	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	0.11	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	4.9	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	4.7	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.020	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.098	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.029	mg/L	0.010	5/14/2012

Page 3 of 84

Customer Sample ID: 63515 L
WETLAB Sample ID: 1205098-001

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	13	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	500	mg/L	0.50	5/14/2012
Strontium	EPA 200.7	0.35	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	6.5	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0033	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.45	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	5.8	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.026	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	5.2	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.010	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	0.024	mg/L	0.0050	5/14/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	16.7	meq/L	0.10	
Cations	Calculation	23.0	meq/L	0.10	
Error	Calculation	16	%	1.0	

Customer Sample ID: 63515 M
WETLAB Sample ID: 1205098-002

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.43	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/7/2012
Carbonate (CO ₃)	SM 2320B	230	mg/L	1.0	5/7/2012
Hydroxide (OH)	SM 2320B	86	mg/L	1.0	5/7/2012
Total Alkalinity	SM 2320B	630	mg/L as CaCO ₃	1.0	5/7/2012
Chloride	EPA 300.0	15	mg/L	1.5	5/4/2012
Fluoride	EPA 300.0	2.5	mg/L	1.0	5/4/2012
Sulfate	EPA 300.0	180	mg/L	15	5/4/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/4/2012
Nitrite Nitrogen	EPA 300.0	0.52	mg/L	0.30	5/4/2012
Aluminum	EPA 200.7	0.39	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.020	mg/L	0.010	5/14/2012

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Customer Sample ID: 63515 M
WETLAB Sample ID: 1205098-002

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	0.11	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	4.4	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	4.6	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.024	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.093	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.023	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	12	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	500	mg/L	0.50	5/14/2012
Strontium	EPA 200.7	0.36	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	5.9	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0028	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.48	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	6.0	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.024	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	4.9	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.021	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	0.023	mg/L	0.0050	5/14/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	17.0	meq/L	0.10	
Cations	Calculation	22.9	meq/L	0.10	
Error	Calculation	15	%	1.0	

Customer Sample ID: 63515 N
WETLAB Sample ID: 1205098-003

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.34	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	290	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	41	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	600	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	50	mV	1	5/16/2012
Chloride	EPA 300.0	15	mg/L	1.5	5/4/2012
Fluoride	EPA 300.0	2.9	mg/L	1.0	5/4/2012
Sulfate	EPA 300.0	200	mg/L	15	5/4/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/4/2012
Nitrite Nitrogen	EPA 300.0	0.58	mg/L	0.30	5/4/2012
Electrical Conductivity	SM 2510B	2700	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.27	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.010	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	0.13	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	4.3	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.18	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	5.2	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.015	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.096	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.037	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	12	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	530	mg/L	0.50	5/14/2012
Strontium	EPA 200.7	0.30	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.18	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	6.8	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0031	mg/L	0.00010	5/14/2012

Customer Sample ID: 63515 N
WETLAB Sample ID: 1205098-003

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony	EPA 200.8	0.65	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	8.1	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.027	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	5.9	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.011	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	0.025	mg/L	0.0050	5/14/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	16.8	meq/L	0.10	
Cations	Calculation	24.3	meq/L	0.10	
Error	Calculation	18	%	1.0	

Customer Sample ID: 63515 O
WETLAB Sample ID: 1205098-004

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.40	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	310	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	41	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	640	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	47	mV	1	5/16/2012
Chloride	EPA 300.0	15	mg/L	1.5	5/4/2012
Fluoride	EPA 300.0	2.7	mg/L	1.0	5/4/2012
Sulfate	EPA 300.0	180	mg/L	15	5/4/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/4/2012
Nitrite Nitrogen	EPA 300.0	0.52	mg/L	0.30	5/4/2012
Electrical Conductivity	SM 2510B	2700	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.32	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.012	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	0.12	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	3.4	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.18	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	5.2	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012

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Customer Sample ID: 63515 O
WETLAB Sample ID: 1205098-004

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.033	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.094	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.030	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	13	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	540	mg/L	0.50	5/14/2012
Strontium	EPA 200.7	0.31	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	6.4	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0026	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.59	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	7.3	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.026	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	5.4	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.020	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	0.024	mg/L	0.0050	5/14/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	17.1	meq/L	0.10	
Cations	Calculation	24.7	meq/L	0.10	
Error	Calculation	18	%	1.0	

Customer Sample ID: 63515 P
WETLAB Sample ID: 1205098-005

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.29	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	320	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	2.7	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	540	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	42	mV	1	5/16/2012
Chloride	EPA 300.0	21	mg/L	1.5	5/4/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/4/2012

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Customer Sample ID: 63515 P

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-005

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sulfate	EPA 300.0	230	mg/L	15	5/4/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/4/2012
Nitrite Nitrogen	EPA 300.0	0.70	mg/L	0.30	5/4/2012
Electrical Conductivity	SM 2510B	2500	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.17	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.010	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	0.12	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	3.8	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.18	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	5.2	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.012	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.093	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.029	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	11	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	500	mg/L	0.50	5/14/2012
Strontium	EPA 200.7	0.24	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.17	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	6.5	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0029	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.63	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	8.4	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.026	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	4.7	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.014	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	0.028	mg/L	0.0050	5/14/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	16.4	meq/L	0.10	

Customer Sample ID: 63515 P

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-005

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cations	Calculation	22.9	meq/L	0.10	
Error	Calculation	16	%	1.0	

Customer Sample ID: 63515 Q

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-006

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.44	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	320	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	44	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	660	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	45	mV	1	5/16/2012
Chloride	EPA 300.0	20	mg/L	1.5	5/4/2012
Fluoride	EPA 300.0	3.4	mg/L	1.0	5/4/2012
Sulfate	EPA 300.0	230	mg/L	15	5/4/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/4/2012
Nitrite Nitrogen	EPA 300.0	0.66	mg/L	0.30	5/4/2012
Electrical Conductivity	SM 2510B	2800	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.25	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.022	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	0.12	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	5.5	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.18	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	5.4	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.088	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.094	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.026	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	12	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012

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Customer Sample ID: 63515 Q
WETLAB Sample ID: 1205098-006

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	550	mg/L	0.50	5/14/2012
Strontium	EPA 200.7	0.31	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	6.2	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0028	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.62	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	7.9	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.024	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	4.8	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.023	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	0.026	mg/L	0.0050	5/14/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	18.8	meq/L	0.10	
Cations	Calculation	25.2	meq/L	0.10	
Error	Calculation	15	%	1.0	

Customer Sample ID: 63516 L
WETLAB Sample ID: 1205098-007

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.45	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	270	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	23	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	520	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	53	mV	1	5/16/2012
Chloride	EPA 300.0	23	mg/L	1.5	5/4/2012
Fluoride	EPA 300.0	3.6	mg/L	1.0	5/4/2012
Sulfate	EPA 300.0	340	mg/L	15	5/4/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/4/2012
Nitrite Nitrogen	EPA 300.0	0.64	mg/L	0.30	5/4/2012
Electrical Conductivity	SM 2510B	2900	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.38	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.015	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012

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Customer Sample ID: 63516 L
WETLAB Sample ID: 1205098-007

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Boron	EPA 200.7	0.10	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	6.2	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	4.9	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.015	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.017	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	13	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	580	mg/L	0.50	5/14/2012
Strontium	EPA 200.7	0.58	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	7.3	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0036	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.50	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	5.7	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.023	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	6.5	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.0095	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	0.030	mg/L	0.0050	5/14/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	18.3	meq/L	0.10	
Cations	Calculation	26.6	meq/L	0.10	
Error	Calculation	19	%	1.0	

Customer Sample ID: 63516 M
WETLAB Sample ID: 1205098-008

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.38	pH Units		5/7/2012

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Customer Sample ID: 63516 M
WETLAB Sample ID: 1205098-008

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	270	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	39	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	570	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	68	mV	1	5/16/2012
Chloride	EPA 300.0	22	mg/L	1.5	5/4/2012
Fluoride	EPA 300.0	3.4	mg/L	1.0	5/4/2012
Sulfate	EPA 300.0	320	mg/L	15	5/4/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/4/2012
Nitrite Nitrogen	EPA 300.0	0.64	mg/L	0.30	5/4/2012
Electrical Conductivity	SM 2510B	3000	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.36	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.020	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	6.4	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	4.4	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.019	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.016	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	12	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	660	mg/L	2.5	5/15/2012
Strontium	EPA 200.7	0.55	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	7.6	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0040	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.47	mg/L	0.050	5/15/2012

Customer Sample ID: 63516 M
WETLAB Sample ID: 1205098-008

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Arsenic	EPA 200.8	5.6	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.024	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	6.1	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.014	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	0.029	mg/L	0.0050	5/14/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	18.8	meq/L	0.10	
Cations	Calculation	30.0	meq/L	0.10	
Error	Calculation	23	%	1.0	

Customer Sample ID: 63516 N
WETLAB Sample ID: 1205098-009

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.40	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	270	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	15	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	500	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	50	mV	1	5/16/2012
Chloride	EPA 300.0	22	mg/L	1.5	5/4/2012
Fluoride	EPA 300.0	3.9	mg/L	1.0	5/4/2012
Sulfate	EPA 300.0	340	mg/L	15	5/4/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/4/2012
Nitrite Nitrogen	EPA 300.0	0.66	mg/L	0.30	5/4/2012
Electrical Conductivity	SM 2510B	3000	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.40	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.024	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	0.12	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	6.7	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.29	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	5.5	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012

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Customer Sample ID: 63516 N
WETLAB Sample ID: 1205098-009

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Manganese	EPA 200.7	0.015	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.021	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	13	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	590	mg/L	0.50	5/14/2012
Strontium	EPA 200.7	0.46	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.17	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	7.5	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0044	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.61	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	7.3	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.023	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	5.4	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.013	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	0.032	mg/L	0.0050	5/14/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	17.8	meq/L	0.10	
Cations	Calculation	27.1	meq/L	0.10	
Error	Calculation	21	%	1.0	

Customer Sample ID: 63516 O
WETLAB Sample ID: 1205098-010

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.36	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	300	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	33	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	600	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	48	mV	1	5/16/2012
Chloride	EPA 300.0	23	mg/L	1.5	5/4/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	5/4/2012
Sulfate	EPA 300.0	350	mg/L	15	5/4/2012

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Customer Sample ID: 63516 O
WETLAB Sample ID: 1205098-010

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/4/2012
Nitrite Nitrogen	EPA 300.0	0.67	mg/L	0.30	5/4/2012
Electrical Conductivity	SM 2510B	3100	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.72	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.074	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	0.12	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	7.0	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.30	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	6.6	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.058	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.028	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	14	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	730	mg/L	2.5	5/15/2012
Strontium	EPA 200.7	0.56	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	8.4	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0052	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.58	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	6.6	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.028	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	5.9	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.054	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	0.033	mg/L	0.0050	5/14/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	20.1	meq/L	0.10	
Cations	Calculation	33.3	meq/L	0.10	

Customer Sample ID: 63516 O

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-010

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Error	Calculation	25	%	1.0	

Customer Sample ID: 63516 P

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-011

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.46	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	300	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	39	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	43	mV	1	5/16/2012
Chloride	EPA 300.0	24	mg/L	1.5	5/4/2012
Fluoride	EPA 300.0	4.0	mg/L	1.0	5/4/2012
Sulfate	EPA 300.0	370	mg/L	15	5/4/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/4/2012
Nitrite Nitrogen	EPA 300.0	0.64	mg/L	0.30	5/4/2012
Electrical Conductivity	SM 2510B	3200	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.24	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.022	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	0.12	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	6.9	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.32	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	7.0	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.030	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.036	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	13	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	780	mg/L	2.5	5/15/2012

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Customer Sample ID: 63516 P
WETLAB Sample ID: 1205098-011

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Strontium	EPA 200.7	0.49	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	9.3	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0058	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.62	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	7.5	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.032	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	5.7	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.013	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	0.035	mg/L	0.0050	5/14/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	20.9	meq/L	0.10	
Cations	Calculation	35.5	meq/L	0.10	
Error	Calculation	26	%	1.0	

Customer Sample ID: 63516 Q
WETLAB Sample ID: 1205098-012

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.53	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	300	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	80	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	740	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	60	mV	1	5/16/2012
Chloride	EPA 300.0	24	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	360	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.66	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3700	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.27	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.036	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	0.13	mg/L	0.10	5/14/2012

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Customer Sample ID: 63516 Q
WETLAB Sample ID: 1205098-012

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium	EPA 200.7	7.4	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.30	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	6.9	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.065	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.037	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	14	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	800	mg/L	2.5	5/15/2012
Strontium	EPA 200.7	0.50	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	9.5	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0057	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.60	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	7.1	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.032	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	5.5	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.026	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	23.1	meq/L	0.10	
Cations	Calculation	36.4	meq/L	0.10	
Error	Calculation	22	%	1.0	

Customer Sample ID: 63517 L
WETLAB Sample ID: 1205098-013

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.24	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012

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Customer Sample ID: 63517 L

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-013

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Carbonate (CO ₃)	SM 2320B	240	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	16	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	450	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	56	mV	1	5/16/2012
Chloride	EPA 300.0	23	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	320	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.64	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	2600	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.35	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.014	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	4.8	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	0.0052	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	4.9	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.0099	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.017	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	10	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	540	mg/L	0.50	5/14/2012
Strontium	EPA 200.7	0.42	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	7.1	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0043	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.51	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	6.4	mg/L	0.25	5/15/2012

Customer Sample ID: 63517 L
WETLAB Sample ID: 1205098-013

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cadmium	EPA 200.8	0.021	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	6.4	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.0083	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	16.4	meq/L	0.10	
Cations	Calculation	24.7	meq/L	0.10	
Error	Calculation	20	%	1.0	

Customer Sample ID: 63517 M
WETLAB Sample ID: 1205098-014

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.29	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	250	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	29	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	500	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	58	mV	1	5/16/2012
Chloride	EPA 300.0	22	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.3	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	310	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.62	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	2900	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.45	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.034	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	6.1	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	0.0058	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	4.6	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.029	mg/L	0.0050	5/14/2012

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Customer Sample ID: 63517 M
WETLAB Sample ID: 1205098-014

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum	EPA 200.7	0.15	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.012	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	11	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	560	mg/L	0.50	5/14/2012
Strontium	EPA 200.7	0.43	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	6.8	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0037	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.46	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	5.4	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.019	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	5.8	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.022	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	17.3	meq/L	0.10	
Cations	Calculation	25.6	meq/L	0.10	
Error	Calculation	19	%	1.0	

Customer Sample ID: 63517 N
WETLAB Sample ID: 1205098-015

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.47	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	290	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	71	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	690	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	56	mV	1	5/16/2012
Chloride	EPA 300.0	23	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	320	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012

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Customer Sample ID: 63517 N

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-015

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrite Nitrogen	EPA 300.0	0.72	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3400	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.23	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.013	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	0.10	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	5.8	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	5.4	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.089	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.016	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	13	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	760	mg/L	2.5	5/15/2012
Strontium	EPA 200.7	0.46	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	7.3	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0057	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.58	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	6.3	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.023	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	5.6	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.0087	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	21.3	meq/L	0.10	
Cations	Calculation	34.4	meq/L	0.10	
Error	Calculation	23	%	1.0	

Customer Sample ID: 63517 O
WETLAB Sample ID: 1205098-016

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.35	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	280	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	35	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	580	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	55	mV	1	5/16/2012
Chloride	EPA 300.0	23	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.7	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	320	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.65	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3000	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.23	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.013	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	0.11	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	5.0	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	5.7	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.091	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.025	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	12	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	740	mg/L	2.5	5/15/2012
Strontium	EPA 200.7	0.41	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	8.8	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0042	mg/L	0.00010	5/14/2012

Customer Sample ID: 63517 O
WETLAB Sample ID: 1205098-016

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony	EPA 200.8	0.60	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	7.2	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.028	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	6.8	mg/L	0.10	5/15/2012
Lead	EPA 200.8	0.0089	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	18.9	meq/L	0.10	
Cations	Calculation	33.6	meq/L	0.10	
Error	Calculation	28	%	1.0	

Customer Sample ID: 63517 P
WETLAB Sample ID: 1205098-017

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.38	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	300	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	39	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	50	mV	1	5/16/2012
Chloride	EPA 300.0	25	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.7	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	320	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.69	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3300	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.16	mg/L	0.045	5/14/2012
Barium	EPA 200.7	0.018	mg/L	0.010	5/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Boron	EPA 200.7	0.11	mg/L	0.10	5/14/2012
Calcium	EPA 200.7	7.2	mg/L	0.50	5/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	5/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Iron	EPA 200.7	6.2	mg/L	0.010	5/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012

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Customer Sample ID: 63517 P
WETLAB Sample ID: 1205098-017

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Manganese	EPA 200.7	0.062	mg/L	0.0050	5/14/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	5/14/2012
Nickel	EPA 200.7	0.036	mg/L	0.010	5/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/14/2012
Potassium	EPA 200.7	11	mg/L	0.50	5/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/14/2012
Sodium	EPA 200.7	740	mg/L	2.5	5/15/2012
Strontium	EPA 200.7	0.38	mg/L	0.10	5/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/14/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/14/2012
Zinc	EPA 200.7	9.0	mg/L	0.010	5/14/2012
Mercury	EPA 200.8	0.0066	mg/L	0.00010	5/14/2012
Antimony	EPA 200.8	0.57	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	7.3	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.031	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	6.3	mg/L	1.0	5/16/2012
Lead	EPA 200.8	0.021	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	19.9	meq/L	0.10	
Cations	Calculation	33.7	meq/L	0.10	
Error	Calculation	26	%	1.0	

Customer Sample ID: 63517 Q
WETLAB Sample ID: 1205098-018

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.40	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	290	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	27	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	570	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	47	mV	1	5/16/2012
Chloride	EPA 300.0	25	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.7	mg/L	1.0	5/5/2012

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Customer Sample ID: 63517 Q

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-018

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sulfate	EPA 300.0	330	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.70	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3400	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.14	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.019	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.14	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	5.2	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0052	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.21	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	4.5	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.018	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.017	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	11	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	760	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.38	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	8.1	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0080	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.58	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	7.9	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.027	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	5.3	mg/L	1.0	5/16/2012
Lead	EPA 200.8	0.019	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	19.0	meq/L	0.10	

Customer Sample ID: 63517 Q

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-018

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cations	Calculation	34.3	meq/L	0.10	
Error	Calculation	29	%	1.0	

Customer Sample ID: 63518 L

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-019

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.56	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	270	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	92	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	720	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	56	mV	1	5/16/2012
Chloride	EPA 300.0	22	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.2	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	340	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.58	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3300	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.27	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.013	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.11	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	11	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.2	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.057	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.012	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	14	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012

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Customer Sample ID: 63518 L
WETLAB Sample ID: 1205098-019

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	860	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.80	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	8.4	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0060	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.47	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	5.2	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.026	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	5.2	mg/L	1.0	5/16/2012
Lead	EPA 200.8	0.0087	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	22.3	meq/L	0.10	
Cations	Calculation	38.9	meq/L	0.10	
Error	Calculation	27	%	1.0	

Customer Sample ID: 63518 M
WETLAB Sample ID: 1205098-020

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.49	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	280	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	84	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	710	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	59	mV	1	5/16/2012
Chloride	EPA 300.0	22	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.3	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	350	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.61	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3400	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.26	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.016	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012

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Customer Sample ID: 63518 M
WETLAB Sample ID: 1205098-020

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Boron	EPA 200.7	0.11	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	14	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.18	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	3.2	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.19	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.018	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	13	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	750	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.79	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	9.1	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0057	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.41	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	4.4	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.029	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	5.9	mg/L	1.0	5/16/2012
Lead	EPA 200.8	0.010	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	22.4	meq/L	0.10	
Cations	Calculation	34.3	meq/L	0.10	
Error	Calculation	21	%	1.0	

Customer Sample ID: 63518 N
WETLAB Sample ID: 1205098-021

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.42	pH Units		5/7/2012

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Customer Sample ID: 63518 N

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-021

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	280	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	54	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	630	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	54	mV	1	5/16/2012
Chloride	EPA 300.0	23	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	360	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.63	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3200	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.27	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.014	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.13	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	8.2	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.18	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	4.0	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.012	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.020	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	14	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	810	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.56	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	9.1	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0075	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.61	mg/L	0.050	5/15/2012

Customer Sample ID: 63518 N
WETLAB Sample ID: 1205098-021

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Arsenic	EPA 200.8	7.0	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.029	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	6.7	mg/L	1.0	5/16/2012
Lead	EPA 200.8	0.014	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	20.9	meq/L	0.10	
Cations	Calculation	36.7	meq/L	0.10	
Error	Calculation	28	%	1.0	

Customer Sample ID: 63518 O
WETLAB Sample ID: 1205098-022

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.42	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	280	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	46	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	610	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	60	mV	1	5/16/2012
Chloride	EPA 300.0	23	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.9	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	360	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.63	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3200	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.25	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.016	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.13	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	7.5	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.18	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	3.9	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012

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Customer Sample ID: 63518 O
WETLAB Sample ID: 1205098-022

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Manganese	EPA 200.7	0.011	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.025	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	13	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	790	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.55	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	9.4	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0071	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.58	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	6.9	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.032	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	6.7	mg/L	1.0	5/16/2012
Lead	EPA 200.8	0.011	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	20.4	meq/L	0.10	
Cations	Calculation	35.8	meq/L	0.10	
Error	Calculation	27	%	1.0	

Customer Sample ID: 63518 P
WETLAB Sample ID: 1205098-023

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.43	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	310	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	54	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	670	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	46	mV	1	5/16/2012
Chloride	EPA 300.0	23	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.7	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	340	mg/L	15	5/5/2012

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Customer Sample ID: 63518 P

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-023

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.61	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3400	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.26	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.040	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.13	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	8.6	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	4.0	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.057	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.019	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	12	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	810	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.50	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	9.0	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0089	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.61	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	7.4	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.029	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	6.5	mg/L	1.0	5/16/2012
Lead	EPA 200.8	0.033	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	21.4	meq/L	0.10	
Cations	Calculation	36.7	meq/L	0.10	

Customer Sample ID: 63518 P

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-023

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Error	Calculation	26	%	1.0	

Customer Sample ID: 63518 Q

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-024

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.36	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	280	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	38	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	580	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	48	mV	1	5/16/2012
Chloride	EPA 300.0	23	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	350	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.63	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3400	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.14	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.016	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.12	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	7.2	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.19	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	4.2	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.013	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.018	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	11	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	690	mg/L	5.0	5/15/2012

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Customer Sample ID: 63518 Q
WETLAB Sample ID: 1205098-024

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Strontium	EPA 200.7	0.42	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	8.3	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0060	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.58	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	7.3	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.028	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	6.3	mg/L	1.0	5/16/2012
Lead	EPA 200.8	0.012	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	19.7	meq/L	0.10	
Cations	Calculation	31.3	meq/L	0.10	
Error	Calculation	23	%	1.0	

Customer Sample ID: 63519 L
WETLAB Sample ID: 1205098-025

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.41	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	290	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	49	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	52	mV	1	5/16/2012
Chloride	EPA 300.0	27	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.3	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	310	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.56	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3100	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.18	mg/L	0.045	5/15/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.10	mg/L	0.10	5/15/2012

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Customer Sample ID: 63519 L
WETLAB Sample ID: 1205098-025

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium	EPA 200.7	4.1	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.21	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.3	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.0086	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.011	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	16	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	690	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.36	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	7.4	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0051	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.49	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	5.8	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.022	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	7.8	mg/L	1.0	5/16/2012
Lead	EPA 200.8	0.0073	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	19.9	meq/L	0.10	
Cations	Calculation	31.2	meq/L	0.10	
Error	Calculation	22	%	1.0	

Customer Sample ID: 63519 M
WETLAB Sample ID: 1205098-026

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.38	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012

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Customer Sample ID: 63519 M
WETLAB Sample ID: 1205098-026

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Carbonate (CO ₃)	SM 2320B	290	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	50	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	630	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	84	mV	1	5/17/2012
Chloride	EPA 300.0	28	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.2	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	320	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.60	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3200	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.18	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.011	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.12	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	4.1	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0055	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.25	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.6	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.067	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.015	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	18	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	710	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.40	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.17	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	8.6	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0055	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.49	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	5.7	mg/L	0.25	5/15/2012

Customer Sample ID: 63519 M
WETLAB Sample ID: 1205098-026

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cadmium	EPA 200.8	0.025	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	7.5	mg/L	1.0	5/16/2012
Lead	EPA 200.8	<0.0025	mg/L	0.0025	5/14/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	20.2	meq/L	0.10	
Cations	Calculation	32.2	meq/L	0.10	
Error	Calculation	23	%	1.0	

Customer Sample ID: 63519 N
WETLAB Sample ID: 1205098-027

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.34	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/8/2012
Carbonate (CO ₃)	SM 2320B	320	mg/L	1.0	5/8/2012
Hydroxide (OH)	SM 2320B	42	mg/L	1.0	5/8/2012
Total Alkalinity	SM 2320B	650	mg/L as CaCO ₃	1.0	5/8/2012
Redox Potential	SM 2580B	74	mV	1	5/17/2012
Chloride	EPA 300.0	27	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.4	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	320	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.53	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3300	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.16	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.016	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.11	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	4.2	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.19	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.6	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.018	mg/L	0.0050	5/15/2012

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Customer Sample ID: 63519 N
WETLAB Sample ID: 1205098-027

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.014	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	15	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	780	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.28	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	7.3	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0069	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.63	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	7.5	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.023	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	8.1	mg/L	1.0	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	20.7	meq/L	0.10	
Cations	Calculation	35.2	meq/L	0.10	
Error	Calculation	26	%	1.0	

Customer Sample ID: 63519 O
WETLAB Sample ID: 1205098-028

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.38	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	320	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	38	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	650	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	73	mV	1	5/17/2012
Chloride	EPA 300.0	26	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.4	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	300	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012

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Customer Sample ID: 63519 O
WETLAB Sample ID: 1205098-028

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrite Nitrogen	EPA 300.0	0.56	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3200	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.13	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.010	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.12	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	3.4	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.21	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.5	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.019	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.020	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	16	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	720	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.28	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	7.6	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0075	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.56	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	6.9	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.025	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	7.7	mg/L	1.0	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	20.1	meq/L	0.10	
Cations	Calculation	32.5	meq/L	0.10	
Error	Calculation	24	%	1.0	

Customer Sample ID: 63519 P
WETLAB Sample ID: 1205098-029

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.42	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	360	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	31	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	690	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	68	mV	1	5/17/2012
Chloride	EPA 300.0	27	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	300	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.61	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3400	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.088	mg/L	0.045	5/15/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.11	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	4.2	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.21	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.8	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.017	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.018	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	14	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	740	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.30	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.17	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	7.4	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0050	mg/L	0.0050	5/15/2012

Customer Sample ID: 63519 P
WETLAB Sample ID: 1205098-029

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony	EPA 200.8	0.67	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	8.6	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.024	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	7.8	mg/L	1.0	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	21.0	meq/L	0.10	
Cations	Calculation	33.4	meq/L	0.10	
Error	Calculation	23	%	1.0	

Customer Sample ID: 63519 Q
WETLAB Sample ID: 1205098-030

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.36	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	330	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	35	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	650	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	67	mV	1	5/17/2012
Chloride	EPA 300.0	28	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.4	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	320	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.56	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3500	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.54	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.13	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.12	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	6.3	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0068	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.21	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	3.8	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012

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Customer Sample ID: 63519 Q
WETLAB Sample ID: 1205098-030

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Magnesium	EPA 200.7	0.57	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.071	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.020	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	15	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	710	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.27	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	7.9	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.64	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	8.1	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.023	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	7.6	mg/L	1.0	5/16/2012
Lead	EPA 200.8	0.14	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	20.7	meq/L	0.10	
Cations	Calculation	32.4	meq/L	0.10	
Error	Calculation	22	%	1.0	

Customer Sample ID: 63520 L
WETLAB Sample ID: 1205098-031

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.41	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	270	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	39	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	560	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	70	mV	1	5/17/2012
Chloride	EPA 300.0	29	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.6	mg/L	1.0	5/5/2012

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Customer Sample ID: 63520 L

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-031

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sulfate	EPA 300.0	350	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.59	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3000	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.30	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.012	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.12	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	6.2	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.23	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.8	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.026	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.023	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	14	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	660	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.50	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	8.4	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.48	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	6.2	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.025	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	7.9	mg/L	1.0	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	19.6	meq/L	0.10	

Customer Sample ID: 63520 L

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-031

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cations	Calculation	30.1	meq/L	0.10	
Error	Calculation	21	%	1.0	

Customer Sample ID: 63520 M

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-032

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.45	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	270	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	69	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	640	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	67	mV	1	5/17/2012
Chloride	EPA 300.0	29	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	350	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.63	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3300	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.39	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.040	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.12	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	7.7	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.18	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	3.0	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.084	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.019	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	15	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012

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Customer Sample ID: 63520 M
WETLAB Sample ID: 1205098-032

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	750	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.56	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	8.3	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.49	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	6.0	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.025	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	8.2	mg/L	1.0	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	21.3	meq/L	0.10	
Cations	Calculation	34.1	meq/L	0.10	
Error	Calculation	23	%	1.0	

Customer Sample ID: 63520 N
WETLAB Sample ID: 1205098-033

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.47	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	280	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	63	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	660	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	62	mV	1	5/17/2012
Chloride	EPA 300.0	29	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	350	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.75	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3300	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.21	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.013	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012

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Customer Sample ID: 63520 N
WETLAB Sample ID: 1205098-033

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Boron	EPA 200.7	0.13	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	7.0	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.19	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	3.1	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.0082	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.027	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	15	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	760	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.45	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	8.5	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0090	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.59	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	7.4	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.030	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	7.9	mg/L	1.0	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	21.3	meq/L	0.10	
Cations	Calculation	34.5	meq/L	0.10	
Error	Calculation	24	%	1.0	

Customer Sample ID: 63520 O
WETLAB Sample ID: 1205098-034

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.45	pH Units		5/7/2012

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Customer Sample ID: 63520 O
WETLAB Sample ID: 1205098-034

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	280	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	20	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	530	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	60	mV	1	5/17/2012
Chloride	EPA 300.0	29	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	340	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.68	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3100	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.28	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.029	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.13	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	5.8	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.20	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	3.2	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.023	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.032	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	14	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	720	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.40	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	8.4	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.56	mg/L	0.050	5/15/2012

Customer Sample ID: 63520 O
WETLAB Sample ID: 1205098-034

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Arsenic	EPA 200.8	7.5	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.028	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	7.3	mg/L	1.0	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	18.6	meq/L	0.10	
Cations	Calculation	32.7	meq/L	0.10	
Error	Calculation	27	%	1.0	

Customer Sample ID: 63520 P
WETLAB Sample ID: 1205098-035

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.47	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	310	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	41	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	630	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	56	mV	1	5/17/2012
Chloride	EPA 300.0	29	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.9	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	330	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.69	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3200	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.12	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.015	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.14	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	6.1	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.19	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	3.2	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012

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Customer Sample ID: 63520 P
WETLAB Sample ID: 1205098-035

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Manganese	EPA 200.7	0.018	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.025	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	14	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	760	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.35	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	8.3	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0067	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.71	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	10	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.027	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	7.8	mg/L	1.0	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	20.6	meq/L	0.10	
Cations	Calculation	34.4	meq/L	0.10	
Error	Calculation	25	%	1.0	

Customer Sample ID: 63520 Q
WETLAB Sample ID: 1205098-036

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.44	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	250	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	37	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	560	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	65	mV	1	5/17/2012
Chloride	EPA 300.0	30	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.7	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	340	mg/L	15	5/5/2012

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Customer Sample ID: 63520 Q

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-036

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.75	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3400	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.090	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.011	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.13	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	5.4	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.22	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	3.5	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.013	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.018	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	13	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	740	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.33	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	8.3	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	0.0055	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.59	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	8.1	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.025	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	6.8	mg/L	1.0	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	18.6	meq/L	0.10	
Cations	Calculation	33.5	meq/L	0.10	

Customer Sample ID: 63520 Q

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-036

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Error	Calculation	28	%	1.0	

Customer Sample ID: 63521 L

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-037

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.35	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	260	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	53	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	590	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	70	mV	1	5/17/2012
Chloride	EPA 300.0	32	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	2.7	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	270	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	2.3	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.92	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	2600	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.16	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.015	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	1.9	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.010	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.0	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.094	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.10	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.020	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	9.3	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	510	mg/L	0.50	5/15/2012

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Customer Sample ID: 63521 L
WETLAB Sample ID: 1205098-037

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Strontium	EPA 200.7	0.24	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	5.4	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.32	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	5.5	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.0094	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	5.1	mg/L	1.0	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	18.6	meq/L	0.10	
Cations	Calculation	23.0	meq/L	0.10	
Error	Calculation	10	%	1.0	

Customer Sample ID: 63521 M
WETLAB Sample ID: 1205098-038

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.45	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	240	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	69	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	600	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	67	mV	1	5/17/2012
Chloride	EPA 300.0	30	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	2.8	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	260	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	2.2	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.87	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	2600	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.11	mg/L	0.045	5/15/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	5/15/2012

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Customer Sample ID: 63521 M
WETLAB Sample ID: 1205098-038

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium	EPA 200.7	1.7	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0094	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	1.8	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.092	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.094	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.019	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	8.9	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	490	mg/L	0.50	5/15/2012
Strontium	EPA 200.7	0.25	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	4.9	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.28	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	5.2	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.0085	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	4.1	mg/L	0.10	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/14/2012
Anions	Calculation	18.6	meq/L	0.10	
Cations	Calculation	22.0	meq/L	0.10	
Error	Calculation	8.4	%	1.0	

Customer Sample ID: 63521 N
WETLAB Sample ID: 1205098-039

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.54	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012

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Customer Sample ID: 63521 N
WETLAB Sample ID: 1205098-039

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Carbonate (CO3)	SM 2320B	280	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	76	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	690	mg/L as CaCO3	1.0	5/9/2012
Redox Potential	SM 2580B	70	mV	1	5/17/2012
Chloride	EPA 300.0	30	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	2.9	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	250	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	1.9	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.81	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	2600	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.074	mg/L	0.045	5/15/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	1.9	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0094	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.0	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.18	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.092	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.022	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	10	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	570	mg/L	0.50	5/15/2012
Strontium	EPA 200.7	0.25	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	5.2	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.32	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	6.1	mg/L	0.25	5/15/2012

Customer Sample ID: 63521 N
WETLAB Sample ID: 1205098-039

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cadmium	EPA 200.8	0.0099	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	4.2	mg/L	0.10	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	20.1	meq/L	0.10	
Cations	Calculation	25.6	meq/L	0.10	
Error	Calculation	12	%	1.0	

Customer Sample ID: 63521 O
WETLAB Sample ID: 1205098-040

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.58	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	240	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	84	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	640	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	72	mV	1	5/17/2012
Chloride	EPA 300.0	31	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	2.7	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	260	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	2.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.82	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	2700	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.080	mg/L	0.045	5/15/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	2.2	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0083	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.15	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.0	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.16	mg/L	0.0050	5/15/2012

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Customer Sample ID: 63521 O
WETLAB Sample ID: 1205098-040

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum	EPA 200.7	0.087	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.019	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	9.2	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	520	mg/L	0.50	5/15/2012
Strontium	EPA 200.7	0.23	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.13	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	5.0	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.30	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	5.7	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.0095	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	4.3	mg/L	0.10	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	19.5	meq/L	0.10	
Cations	Calculation	23.4	meq/L	0.10	
Error	Calculation	9.0	%	1.0	

Customer Sample ID: 63521 P
WETLAB Sample ID: 1205098-041

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.58	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	280	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	65	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	660	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	110	mV	1	5/17/2012
Chloride	EPA 300.0	31	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.0	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	260	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	1.9	mg/L	1.0	5/5/2012

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Customer Sample ID: 63521 P

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-041

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrite Nitrogen	EPA 300.0	0.85	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	2500	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.068	mg/L	0.045	5/15/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	3.1	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0082	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.2	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.32	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.084	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.048	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	9.0	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	530	mg/L	0.50	5/15/2012
Strontium	EPA 200.7	0.19	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	4.9	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.34	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	6.7	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.0095	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	4.2	mg/L	0.10	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	19.7	meq/L	0.10	
Cations	Calculation	23.9	meq/L	0.10	
Error	Calculation	9.5	%	1.0	

Customer Sample ID: 63521 Q
WETLAB Sample ID: 1205098-042

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.65	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	310	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	57	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	690	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	84	mV	1	5/17/2012
Chloride	EPA 300.0	31	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	3.1	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	260	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	1.9	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	0.83	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	2800	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	5/15/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	2.1	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0082	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.14	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.1	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.17	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.084	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.029	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	8.8	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	540	mg/L	0.50	5/15/2012
Strontium	EPA 200.7	0.18	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	5.0	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012

Customer Sample ID: 63521 Q
WETLAB Sample ID: 1205098-042

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony	EPA 200.8	0.38	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	7.6	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.0098	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	4.4	mg/L	0.10	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	20.3	meq/L	0.10	
Cations	Calculation	24.2	meq/L	0.10	
Error	Calculation	8.9	%	1.0	

Customer Sample ID: 63522 L
WETLAB Sample ID: 1205098-043

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.22	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	190	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	23	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	390	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	75	mV	1	5/17/2012
Chloride	EPA 300.0	590	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	1.8	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	220	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	1.9	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3800	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.014	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.21	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	5.4	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0078	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.12	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.0	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	0.29	mg/L	0.10	5/15/2012

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Customer Sample ID: 63522 L
WETLAB Sample ID: 1205098-043

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Magnesium	EPA 200.7	0.83	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.047	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.081	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.18	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	14	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	750	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.52	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.069	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	5.0	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.21	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	2.7	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.0070	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	3.5	mg/L	0.10	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	29.0	meq/L	0.10	
Cations	Calculation	33.7	meq/L	0.10	
Error	Calculation	7.5	%	1.0	

Customer Sample ID: 63522 M
WETLAB Sample ID: 1205098-044

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.27	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	160	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	44	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	390	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	64	mV	1	5/17/2012
Chloride	EPA 300.0	600	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	1.8	mg/L	1.0	5/5/2012

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Customer Sample ID: 63522 M
WETLAB Sample ID: 1205098-044

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sulfate	EPA 300.0	220	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	1.4	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3800	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.083	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.021	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.21	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	5.8	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0065	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.12	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.0	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	0.29	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	0.74	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.054	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.081	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.016	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	15	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	790	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.66	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.066	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	4.0	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.21	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	2.6	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.0077	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	3.6	mg/L	0.10	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	29.5	meq/L	0.10	

Customer Sample ID: 63522 M
WETLAB Sample ID: 1205098-044

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cations	Calculation	35.5	meq/L	0.10	
Error	Calculation	9.1	%	1.0	

Customer Sample ID: 63522 N
WETLAB Sample ID: 1205098-045

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.41	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	200	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	48	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	470	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	76	mV	1	5/17/2012
Chloride	EPA 300.0	550	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	2.0	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	240	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	2.4	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3900	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.080	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.024	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.22	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	7.6	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0068	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.12	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.4	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	0.24	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	0.69	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.20	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.084	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.049	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	16	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012

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Customer Sample ID: 63522 N
WETLAB Sample ID: 1205098-045

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	870	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.60	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.072	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	7.6	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.26	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	3.3	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.0096	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	4.3	mg/L	0.10	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	30.1	meq/L	0.10	
Cations	Calculation	39.2	meq/L	0.10	
Error	Calculation	13	%	1.0	

Customer Sample ID: 63522 O
WETLAB Sample ID: 1205098-046

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.39	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	220	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	34	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	470	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	79	mV	1	5/17/2012
Chloride	EPA 300.0	560	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	2.0	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	240	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	2.7	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	3900	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.010	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012

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Customer Sample ID: 63522 O
WETLAB Sample ID: 1205098-046

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Boron	EPA 200.7	0.22	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	5.8	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0075	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.11	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.0	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	0.24	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	0.81	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.11	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.088	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.094	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	16	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	810	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.50	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.077	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	8.1	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.23	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	3.1	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.0098	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	3.5	mg/L	0.10	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	30.2	meq/L	0.10	
Cations	Calculation	36.5	meq/L	0.10	
Error	Calculation	9.4	%	1.0	

Customer Sample ID: 63522 P
WETLAB Sample ID: 1205098-047

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.59	pH Units		5/7/2012

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Customer Sample ID: 63522 P

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-047

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	240	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	61	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	570	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	84	mV	1	5/17/2012
Chloride	EPA 300.0	530	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	2.2	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	250	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	2.6	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	4100	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.14	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.026	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.21	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	50	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0070	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.10	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	2.7	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	0.19	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	1.0	mg/L	0.50	5/15/2012
Manganese	EPA 200.7	0.27	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.080	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.041	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	16	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	890	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	1.3	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.086	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	7.4	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.27	mg/L	0.050	5/15/2012

Customer Sample ID: 63522 P
WETLAB Sample ID: 1205098-047

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Arsenic	EPA 200.8	4.2	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.011	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	3.8	mg/L	0.10	5/16/2012
Lead	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	31.9	meq/L	0.10	
Cations	Calculation	42.2	meq/L	0.10	
Error	Calculation	14	%	1.0	

Customer Sample ID: 63522 Q
WETLAB Sample ID: 1205098-048

Collect Date/Time: 5/4/2012 09:00

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.54	pH Units		5/7/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/9/2012
Carbonate (CO ₃)	SM 2320B	250	mg/L	1.0	5/9/2012
Hydroxide (OH)	SM 2320B	31	mg/L	1.0	5/9/2012
Total Alkalinity	SM 2320B	500	mg/L as CaCO ₃	1.0	5/9/2012
Redox Potential	SM 2580B	99	mV	1	5/17/2012
Chloride	EPA 300.0	550	mg/L	1.5	5/5/2012
Fluoride	EPA 300.0	2.2	mg/L	1.0	5/5/2012
Sulfate	EPA 300.0	260	mg/L	15	5/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/5/2012
Nitrite Nitrogen	EPA 300.0	2.6	mg/L	0.30	5/5/2012
Electrical Conductivity	SM 2510B	4200	µmhos/cm	1	5/15/2012
Aluminum	EPA 200.7	0.36	mg/L	0.045	5/15/2012
Barium	EPA 200.7	0.090	mg/L	0.010	5/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Boron	EPA 200.7	0.22	mg/L	0.10	5/15/2012
Calcium	EPA 200.7	10	mg/L	0.50	5/15/2012
Chromium	EPA 200.7	0.0085	mg/L	0.0050	5/15/2012
Cobalt	EPA 200.7	0.12	mg/L	0.010	5/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Iron	EPA 200.7	3.7	mg/L	0.010	5/15/2012
Lithium	EPA 200.7	0.19	mg/L	0.10	5/15/2012
Magnesium	EPA 200.7	0.72	mg/L	0.50	5/15/2012

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Customer Sample ID: 63522 Q

Collect Date/Time: 5/4/2012 09:00

WETLAB Sample ID: 1205098-048

Receive Date: 5/4/2012 10:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Manganese	EPA 200.7	0.22	mg/L	0.0050	5/15/2012
Molybdenum	EPA 200.7	0.085	mg/L	0.010	5/15/2012
Nickel	EPA 200.7	0.040	mg/L	0.010	5/15/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/15/2012
Potassium	EPA 200.7	16	mg/L	0.50	5/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/15/2012
Sodium	EPA 200.7	840	mg/L	5.0	5/15/2012
Strontium	EPA 200.7	0.52	mg/L	0.10	5/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/15/2012
Vanadium	EPA 200.7	0.082	mg/L	0.010	5/15/2012
Zinc	EPA 200.7	7.5	mg/L	0.010	5/15/2012
Mercury	EPA 200.8	<0.0050	mg/L	0.0050	5/15/2012
Antimony	EPA 200.8	0.27	mg/L	0.050	5/15/2012
Arsenic	EPA 200.8	3.8	mg/L	0.25	5/15/2012
Cadmium	EPA 200.8	0.011	mg/L	0.0010	5/14/2012
Copper	EPA 200.8	4.4	mg/L	0.10	5/16/2012
Lead	EPA 200.8	0.091	mg/L	0.050	5/15/2012
Selenium	EPA 200.8	<0.25	mg/L	0.25	5/15/2012
Thallium	EPA 200.8	<0.050	mg/L	0.050	5/15/2012
Anions	Calculation	31.2	meq/L	0.10	
Cations	Calculation	38.1	meq/L	0.10	
Error	Calculation	10	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12050202	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12050202	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12050202	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12050203	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12050203	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12050203	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12050204	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12050204	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12050204	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12050207	Blank 1	Chloride	EPA 300.0	<0.10	mg/L
QC12050207	Blank 2	Chloride	EPA 300.0	<0.10	mg/L
QC12050207	Blank 3	Chloride	EPA 300.0	<0.10	mg/L
QC12050208	Blank 1	Chloride	EPA 300.0	<0.10	mg/L
QC12050208	Blank 2	Chloride	EPA 300.0	<0.10	mg/L
QC12050208	Blank 3	Chloride	EPA 300.0	<0.10	mg/L
QC12050209	Blank 1	Chloride	EPA 300.0	<0.10	mg/L
QC12050209	Blank 2	Chloride	EPA 300.0	<0.10	mg/L
QC12050210	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050210	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050210	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050213	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050213	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050213	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050214	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050214	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050214	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050216	Blank 1	Nitrate Nitrogen	EPA 300.0	0.030	mg/L
QC12050216	Blank 2	Nitrate Nitrogen	EPA 300.0	0.030	mg/L
QC12050216	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12050217	Blank 1	Nitrate Nitrogen	EPA 300.0	0.030	mg/L
QC12050217	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12050217	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12050218	Blank 1	Nitrate Nitrogen	EPA 300.0	0.030	mg/L
QC12050218	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12050219	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12050219	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12050219	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12050220	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12050220	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12050220	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12050221	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12050221	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12050221	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12050522	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12050523	Blank 1	Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
		Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12050538	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12050539	Blank 1	Thallium	EPA 200.8	<0.0010	mg/L
		Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
QC12050540	Blank 1	Thallium	EPA 200.8	<0.0010	mg/L
		Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
QC12050541	Blank 1	Thallium	EPA 200.8	<0.0010	mg/L
		Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
QC12050542	Blank 1	Thallium	EPA 200.8	<0.0010	mg/L
		Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
QC12050543	Blank 1	Thallium	EPA 200.8	<0.0010	mg/L
		Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
QC12050547	Blank 1	Thallium	EPA 200.8	<0.0010	mg/L
		Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12050548	Blank 1	Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
		Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12050549	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12050550	Blank 1	Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
		Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12050561	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12050561	Blank 2	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12050561	Blank 3	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12050561	Blank 4	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12050561	Blank 5	Electrical Conductivity	SM 2510B	<1	µmhos/cm

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12050202	LCS 1	Fluoride	EPA 300.0	1.85	2.00	92	mg/L
QC12050203	LCS 1	Fluoride	EPA 300.0	1.85	2.00	92	mg/L
QC12050204	LCS 1	Fluoride	EPA 300.0	1.85	2.00	92	mg/L
QC12050207	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12050208	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12050209	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12050210	LCS 1	Nitrite Nitrogen	EPA 300.0	0.522	0.500	104	mg/L
QC12050213	LCS 1	Nitrite Nitrogen	EPA 300.0	0.522	0.500	104	mg/L
QC12050214	LCS 1	Nitrite Nitrogen	EPA 300.0	0.522	0.500	104	mg/L
QC12050216	LCS 1	Nitrate Nitrogen	EPA 300.0	2.00	2.00	100	mg/L
QC12050217	LCS 1	Nitrate Nitrogen	EPA 300.0	2.00	2.00	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12050218	LCS 1	Nitrate Nitrogen	EPA 300.0	2.00	2.00	100	mg/L
QC12050219	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC12050220	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC12050221	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC12050259	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12050259	LCS 2	pH	SM 4500-H+ B	7.07	7.00	101	pH Units
QC12050259	LCS 3	pH	SM 4500-H+ B	7.04	7.00	101	pH Units
QC12050271	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12050273	LCS 1	Alkalinity	SM 2320B	101	100	101	mg/L
QC12050315	LCS 1	Alkalinity	SM 2320B	108	100	108	mg/L
QC12050315	LCS 2	Alkalinity	SM 2320B	100	100	100	mg/L
QC12050353	LCS 1	Alkalinity	SM 2320B	106	100	106	mg/L
QC12050362	LCS 1	Alkalinity	SM 2320B	102	100	102	mg/L
QC12050362	LCS 2	Alkalinity	SM 2320B	104	100	104	mg/L
QC12050522	LCS 1	Aluminum	EPA 200.7	0.959	1.00	96	mg/L
		Barium	EPA 200.7	0.950	1.00	95	mg/L
		Beryllium	EPA 200.7	0.939	1.00	94	mg/L
		Bismuth	EPA 200.7	0.963	1.00	96	mg/L
		Boron	EPA 200.7	0.871	1.00	87	mg/L
		Calcium	EPA 200.7	9.76	10.0	98	mg/L
		Chromium	EPA 200.7	0.938	1.00	94	mg/L
		Cobalt	EPA 200.7	0.942	1.00	94	mg/L
		Gallium	EPA 200.7	0.951	1.00	95	mg/L
		Iron	EPA 200.7	0.972	1.00	97	mg/L
		Lithium	EPA 200.7	0.971	1.00	97	mg/L
		Magnesium	EPA 200.7	9.47	10.0	95	mg/L
		Manganese	EPA 200.7	0.947	1.00	95	mg/L
		Molybdenum	EPA 200.7	0.928	1.00	93	mg/L
		Nickel	EPA 200.7	4.72	5.00	94	mg/L
		Phosphorus	EPA 200.7	4.63	5.00	93	mg/L
		Potassium	EPA 200.7	9.94	10.0	99	mg/L
		Scandium	EPA 200.7	0.954	1.00	95	mg/L
		Silver	EPA 200.7	0.084	0.090	94	mg/L
		Sodium	EPA 200.7	9.87	10.0	99	mg/L
		Strontium	EPA 200.7	1.00	1.00	100	mg/L
		Tin	EPA 200.7	0.911	1.00	91	mg/L
		Titanium	EPA 200.7	0.976	1.00	98	mg/L
		Vanadium	EPA 200.7	0.939	1.00	94	mg/L
		Zinc	EPA 200.7	0.942	1.00	94	mg/L
QC12050523	LCS 1	Aluminum	EPA 200.7	0.959	1.00	96	mg/L
		Barium	EPA 200.7	0.950	1.00	95	mg/L
		Beryllium	EPA 200.7	0.939	1.00	94	mg/L
		Bismuth	EPA 200.7	0.963	1.00	96	mg/L
		Boron	EPA 200.7	0.871	1.00	87	mg/L
		Calcium	EPA 200.7	9.76	10.0	98	mg/L
		Chromium	EPA 200.7	0.938	1.00	94	mg/L
		Cobalt	EPA 200.7	0.942	1.00	94	mg/L
		Gallium	EPA 200.7	0.951	1.00	95	mg/L
		Iron	EPA 200.7	0.972	1.00	97	mg/L
		Lithium	EPA 200.7	0.971	1.00	97	mg/L
		Magnesium	EPA 200.7	9.47	10.0	95	mg/L
		Manganese	EPA 200.7	0.947	1.00	95	mg/L
		Molybdenum	EPA 200.7	0.928	1.00	93	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12050538	LCS 1	Nickel	EPA 200.7	4.72	5.00	94	mg/L
		Phosphorus	EPA 200.7	4.63	5.00	93	mg/L
		Potassium	EPA 200.7	9.94	10.0	99	mg/L
		Scandium	EPA 200.7	0.954	1.00	95	mg/L
		Silver	EPA 200.7	0.084	0.090	94	mg/L
		Sodium	EPA 200.7	9.87	10.0	99	mg/L
		Strontium	EPA 200.7	1.00	1.00	100	mg/L
		Tin	EPA 200.7	0.911	1.00	91	mg/L
		Titanium	EPA 200.7	0.976	1.00	98	mg/L
		Vanadium	EPA 200.7	0.939	1.00	94	mg/L
		Zinc	EPA 200.7	0.942	1.00	94	mg/L
		Mercury	EPA 200.8	0.000870	0.001	87	mg/L
		Antimony	EPA 200.8	0.0093	0.010	93	mg/L
		Arsenic	EPA 200.8	0.0481	0.050	96	mg/L
QC12050539	LCS 1	Cadmium	EPA 200.8	0.0096	0.010	96	mg/L
		Copper	EPA 200.8	0.0088	0.010	88	mg/L
		Lead	EPA 200.8	0.0095	0.010	95	mg/L
		Selenium	EPA 200.8	0.0441	0.050	88	mg/L
		Thallium	EPA 200.8	0.0092	0.010	92	mg/L
		Mercury	EPA 200.8	0.000870	0.001	87	mg/L
		Antimony	EPA 200.8	0.0093	0.010	93	mg/L
		Arsenic	EPA 200.8	0.0481	0.050	96	mg/L
		Cadmium	EPA 200.8	0.0096	0.010	96	mg/L
		Copper	EPA 200.8	0.0088	0.010	88	mg/L
		Lead	EPA 200.8	0.0095	0.010	95	mg/L
		Selenium	EPA 200.8	0.0441	0.050	88	mg/L
		Thallium	EPA 200.8	0.0092	0.010	92	mg/L
		Mercury	EPA 200.8	0.000942	0.001	94	mg/L
QC12050540	LCS 1	Antimony	EPA 200.8	0.0102	0.010	102	mg/L
		Arsenic	EPA 200.8	0.0526	0.050	105	mg/L
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L
		Copper	EPA 200.8	0.0107	0.010	107	mg/L
		Lead	EPA 200.8	0.0102	0.010	102	mg/L
		Selenium	EPA 200.8	0.0441	0.050	88	mg/L
		Thallium	EPA 200.8	0.0093	0.010	93	mg/L
		Mercury	EPA 200.8	0.000942	0.001	94	mg/L
		Antimony	EPA 200.8	0.0102	0.010	102	mg/L
		Arsenic	EPA 200.8	0.0526	0.050	105	mg/L
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L
		Copper	EPA 200.8	0.0107	0.010	107	mg/L
		Lead	EPA 200.8	0.0102	0.010	102	mg/L
		Selenium	EPA 200.8	0.0441	0.050	88	mg/L
QC12050541	LCS 1	Thallium	EPA 200.8	0.0093	0.010	93	mg/L
		Mercury	EPA 200.8	0.000961	0.001	96	mg/L
		Antimony	EPA 200.8	0.0104	0.010	104	mg/L
		Arsenic	EPA 200.8	0.0521	0.050	104	mg/L
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L
		Copper	EPA 200.8	0.0098	0.010	98	mg/L
		Lead	EPA 200.8	0.0108	0.010	108	mg/L
		Selenium	EPA 200.8	0.0447	0.050	89	mg/L
		Thallium	EPA 200.8	0.0093	0.010	93	mg/L
		Mercury	EPA 200.8	0.000961	0.001	96	mg/L
		Antimony	EPA 200.8	0.0104	0.010	104	mg/L
		Arsenic	EPA 200.8	0.0521	0.050	104	mg/L
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L
		Copper	EPA 200.8	0.0098	0.010	98	mg/L
QC12050542	LCS 1	Lead	EPA 200.8	0.0108	0.010	108	mg/L
		Selenium	EPA 200.8	0.0447	0.050	89	mg/L
		Thallium	EPA 200.8	0.0093	0.010	93	mg/L
		Mercury	EPA 200.8	0.000961	0.001	96	mg/L
QC12050543	LCS 1	Antimony	EPA 200.8	0.0104	0.010	104	mg/L
		Mercury	EPA 200.8	0.000961	0.001	96	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12050547	LCS 1	Arsenic	EPA 200.8	0.0521	0.050	104	mg/L
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L
		Copper	EPA 200.8	0.0098	0.010	98	mg/L
		Lead	EPA 200.8	0.0108	0.010	108	mg/L
		Selenium	EPA 200.8	0.0447	0.050	89	mg/L
		Thallium	EPA 200.8	0.0093	0.010	93	mg/L
		Aluminum	EPA 200.7	0.956	1.00	96	mg/L
		Barium	EPA 200.7	0.951	1.00	95	mg/L
		Beryllium	EPA 200.7	0.950	1.00	95	mg/L
		Bismuth	EPA 200.7	0.976	1.00	98	mg/L
		Boron	EPA 200.7	0.901	1.00	90	mg/L
		Calcium	EPA 200.7	9.69	10.0	97	mg/L
		Chromium	EPA 200.7	0.942	1.00	94	mg/L
		Cobalt	EPA 200.7	0.956	1.00	96	mg/L
		Gallium	EPA 200.7	0.952	1.00	95	mg/L
		Iron	EPA 200.7	0.964	1.00	96	mg/L
		Lithium	EPA 200.7	0.948	1.00	95	mg/L
		Magnesium	EPA 200.7	9.53	10.0	95	mg/L
		Manganese	EPA 200.7	0.954	1.00	95	mg/L
		Molybdenum	EPA 200.7	0.951	1.00	95	mg/L
		Nickel	EPA 200.7	4.77	5.00	95	mg/L
		Phosphorus	EPA 200.7	4.77	5.00	95	mg/L
		Potassium	EPA 200.7	9.76	10.0	98	mg/L
		Scandium	EPA 200.7	0.948	1.00	95	mg/L
		Silver	EPA 200.7	0.084	0.090	94	mg/L
		Sodium	EPA 200.7	9.74	10.0	97	mg/L
		Strontium	EPA 200.7	0.965	1.00	96	mg/L
		Tin	EPA 200.7	0.945	1.00	94	mg/L
		Titanium	EPA 200.7	0.971	1.00	97	mg/L
		Vanadium	EPA 200.7	0.945	1.00	94	mg/L
		Zinc	EPA 200.7	0.969	1.00	97	mg/L
QC12050548	LCS 1	Aluminum	EPA 200.7	0.956	1.00	96	mg/L
		Barium	EPA 200.7	0.951	1.00	95	mg/L
		Beryllium	EPA 200.7	0.950	1.00	95	mg/L
		Bismuth	EPA 200.7	0.976	1.00	98	mg/L
		Boron	EPA 200.7	0.901	1.00	90	mg/L
		Calcium	EPA 200.7	9.69	10.0	97	mg/L
		Chromium	EPA 200.7	0.942	1.00	94	mg/L
		Cobalt	EPA 200.7	0.956	1.00	96	mg/L
		Gallium	EPA 200.7	0.952	1.00	95	mg/L
		Iron	EPA 200.7	0.964	1.00	96	mg/L
		Lithium	EPA 200.7	0.948	1.00	95	mg/L
		Magnesium	EPA 200.7	9.53	10.0	95	mg/L
		Manganese	EPA 200.7	0.954	1.00	95	mg/L
		Molybdenum	EPA 200.7	0.951	1.00	95	mg/L
		Nickel	EPA 200.7	4.77	5.00	95	mg/L
		Phosphorus	EPA 200.7	4.77	5.00	95	mg/L
		Potassium	EPA 200.7	9.76	10.0	98	mg/L
		Scandium	EPA 200.7	0.948	1.00	95	mg/L
		Silver	EPA 200.7	0.084	0.090	94	mg/L
		Sodium	EPA 200.7	9.74	10.0	97	mg/L
		Strontium	EPA 200.7	0.965	1.00	96	mg/L
		Tin	EPA 200.7	0.945	1.00	94	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12050549	LCS 1	Titanium	EPA 200.7	0.971	1.00	97	mg/L
		Vanadium	EPA 200.7	0.945	1.00	94	mg/L
		Zinc	EPA 200.7	0.969	1.00	97	mg/L
		Aluminum	EPA 200.7	0.901	1.00	90	mg/L
		Barium	EPA 200.7	0.927	1.00	93	mg/L
		Beryllium	EPA 200.7	0.923	1.00	92	mg/L
		Bismuth	EPA 200.7	0.959	1.00	96	mg/L
		Boron	EPA 200.7	0.893	1.00	89	mg/L
		Calcium	EPA 200.7	9.79	10.0	98	mg/L
		Chromium	EPA 200.7	0.920	1.00	92	mg/L
		Cobalt	EPA 200.7	0.944	1.00	94	mg/L
		Gallium	EPA 200.7	0.927	1.00	93	mg/L
		Iron	EPA 200.7	0.971	1.00	97	mg/L
		Lithium	EPA 200.7	1.01	1.00	101	mg/L
		Magnesium	EPA 200.7	9.67	10.0	97	mg/L
		Manganese	EPA 200.7	0.931	1.00	93	mg/L
		Molybdenum	EPA 200.7	0.918	1.00	92	mg/L
		Nickel	EPA 200.7	4.69	5.00	94	mg/L
		Phosphorus	EPA 200.7	4.67	5.00	93	mg/L
		Potassium	EPA 200.7	10.3	10.0	103	mg/L
		Scandium	EPA 200.7	0.924	1.00	92	mg/L
		Silver	EPA 200.7	0.082	0.090	92	mg/L
		Sodium	EPA 200.7	10.4	10.0	104	mg/L
		Strontium	EPA 200.7	0.979	1.00	98	mg/L
		Tin	EPA 200.7	0.931	1.00	93	mg/L
QC12050550	LCS 1	Titanium	EPA 200.7	0.978	1.00	98	mg/L
		Vanadium	EPA 200.7	0.924	1.00	92	mg/L
		Zinc	EPA 200.7	0.974	1.00	97	mg/L
		Aluminum	EPA 200.7	0.901	1.00	90	mg/L
		Barium	EPA 200.7	0.927	1.00	93	mg/L
		Beryllium	EPA 200.7	0.923	1.00	92	mg/L
		Bismuth	EPA 200.7	0.959	1.00	96	mg/L
		Boron	EPA 200.7	0.893	1.00	89	mg/L
		Calcium	EPA 200.7	9.79	10.0	98	mg/L
		Chromium	EPA 200.7	0.920	1.00	92	mg/L
		Cobalt	EPA 200.7	0.944	1.00	94	mg/L
		Gallium	EPA 200.7	0.927	1.00	93	mg/L
		Iron	EPA 200.7	0.971	1.00	97	mg/L
		Lithium	EPA 200.7	1.01	1.00	101	mg/L
		Magnesium	EPA 200.7	9.67	10.0	97	mg/L
		Manganese	EPA 200.7	0.931	1.00	93	mg/L
		Molybdenum	EPA 200.7	0.918	1.00	92	mg/L
		Nickel	EPA 200.7	4.69	5.00	94	mg/L
		Phosphorus	EPA 200.7	4.67	5.00	93	mg/L
		Potassium	EPA 200.7	10.3	10.0	103	mg/L
		Scandium	EPA 200.7	0.924	1.00	92	mg/L
		Silver	EPA 200.7	0.082	0.090	92	mg/L
		Sodium	EPA 200.7	10.4	10.0	104	mg/L
		Strontium	EPA 200.7	0.979	1.00	98	mg/L
		Tin	EPA 200.7	0.931	1.00	93	mg/L
		Titanium	EPA 200.7	0.978	1.00	98	mg/L
		Vanadium	EPA 200.7	0.924	1.00	92	mg/L
		Zinc	EPA 200.7	0.974	1.00	97	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC12050561	LCS 1	Electrical Conductivity	SM 2510B	1291	1412	91	µmhos/cm	
QC12050561	LCS 2	Electrical Conductivity	SM 2510B	1406	1412	100	µmhos/cm	
QC12050561	LCS 3	Electrical Conductivity	SM 2510B	1460	1412	103	µmhos/cm	
QC12050607	LCS 1	Redox Potential	SM 2580B	220	221	100	mV	
QC12050607	LCS 2	Redox Potential	SM 2580B	220	221	100	mV	
QC12050607	LCS 3	Redox Potential	SM 2580B	221	221	100	mV	
QC12050654	LCS 1	Redox Potential	SM 2580B	220	221	100	mV	
QC12050654	LCS 2	Redox Potential	SM 2580B	220	221	99	mV	
QC12050654	LCS 3	Redox Potential	SM 2580B	220	221	100	mV	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12050259	Duplicate	pH	SM 4500-H+ B	1205098-003	10.3	10.4	pH Units	<1%
QC12050259	Duplicate	pH	SM 4500-H+ B	1205098-013	10.2	10.2	pH Units	<1%
QC12050259	Duplicate	pH	SM 4500-H+ B	1205098-023	10.4	10.4	pH Units	<1%
QC12050259	Duplicate	pH	SM 4500-H+ B	1205098-033	10.5	10.5	pH Units	<1%
QC12050259	Duplicate	pH	SM 4500-H+ B	1205098-043	10.2	10.2	pH Units	<1%
QC12050271	Duplicate	pH	SM 4500-H+ B	1205119-001	7.93	7.97	pH Units	1 %
QC12050271	Duplicate	pH	SM 4500-H+ B	1205124-002	6.85	7.04	pH Units	3 %
QC12050273	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205119-001	206	206	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1205119-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1205119-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1205119-001	169	169	mg/L as CaCO3	<1%
QC12050273	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205124-002	25.8	27.7	mg/L	7 %
		Carbonate (CO3)	SM 2320B	1205124-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1205124-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1205124-002	21.2	22.7	mg/L as CaCO3	7 %
QC12050315	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205075-001	14.9	4.88	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1205075-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1205075-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1205075-001	12.2	4.00	mg/L as CaCO3	<1%
QC12050315	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205098-006	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1205098-006	323	323	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1205098-006	43.5	43.5	mg/L	<1%
		Total Alkalinity	SM 2320B	1205098-006	664	664	mg/L as CaCO3	<1%
QC12050315	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205098-022	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1205098-022	284	294	mg/L	3 %
		Hydroxide (OH)	SM 2320B	1205098-022	46.3	43.5	mg/L	6 %
		Total Alkalinity	SM 2320B	1205098-022	608	616	mg/L as CaCO3	1 %
QC12050353	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205098-031	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1205098-031	265	260	mg/L	2 %
		Hydroxide (OH)	SM 2320B	1205098-031	39.4	43.5	mg/L	10 %
		Total Alkalinity	SM 2320B	1205098-031	556	560	mg/L as CaCO3	1 %
QC12050362	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205098-042	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1205098-042	313	308	mg/L	2 %

QC	BatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12050362	Duplicate		Hydroxide (OH)	SM 2320B	1205098-042	57.1	58.5	mg/L	2 %
			Total Alkalinity	SM 2320B	1205098-042	688	684	mg/L as CaCO3	1 %
			Bicarbonate (HCO3)	SM 2320B	1205101-001	9.76	9.76	mg/L	<1%
			Carbonate (CO3)	SM 2320B	1205101-001	<1.000	<1.000	mg/L	<1%
			Hydroxide (OH)	SM 2320B	1205101-001	<1.000	<1.000	mg/L	<1%
QC12050362	Duplicate		Total Alkalinity	SM 2320B	1205101-001	8.00	8.00	mg/L as CaCO3	<1%
			Bicarbonate (HCO3)	SM 2320B	1205124-001	<1.000	<1.000	mg/L	<1%
			Carbonate (CO3)	SM 2320B	1205124-001	<1.000	<1.000	mg/L	<1%
			Hydroxide (OH)	SM 2320B	1205124-001	<1.000	<1.000	mg/L	<1%
			Total Alkalinity	SM 2320B	1205124-001	<1.000	<1.000	mg/L as CaCO3	<1%
QC12050561	Duplicate		Electrical Conductivity	SM 2510B	1205098-001	2750	2700	µmhos/cm	2 %
QC12050561	Duplicate		Electrical Conductivity	SM 2510B	1205098-011	3180	3270	µmhos/cm	3 %
QC12050561	Duplicate		Electrical Conductivity	SM 2510B	1205098-021	3240	3310	µmhos/cm	2 %
QC12050561	Duplicate		Electrical Conductivity	SM 2510B	1205098-031	3020	3100	µmhos/cm	3 %
QC12050561	Duplicate		Electrical Conductivity	SM 2510B	1205098-041	2510	2600	µmhos/cm	4 %
QC12050607	Duplicate		Redox Potential	SM 2580B	1205098-001	69.9	66.7	mV	5 %
QC12050607	Duplicate		Redox Potential	SM 2580B	1205098-012	59.7	57.1	mV	4 %
QC12050607	Duplicate		Redox Potential	SM 2580B	1205098-022	60.1	59.4	mV	1 %
QC12050654	Duplicate		Redox Potential	SM 2580B	1205098-026	84.0	82.3	mV	2 %
QC12050654	Duplicate		Redox Potential	SM 2580B	1205098-036	65.4	64.4	mV	2 %
QC12050654	Duplicate		Redox Potential	SM 2580B	1205098-046	78.8	78.0	mV	1 %

QC	BatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12050202	MS 1		Fluoride	EPA 300.0	1205075-001	<0.100	2.07	2.09	2.00	mg/L	100	101	1 %
QC12050202	MS 2		Fluoride	EPA 300.0	1205098-001	2.57	21.5	21.5	2.00	mg/L	94	94	<1%
QC12050203	MS 1		Fluoride	EPA 300.0	1205098-011	3.98	22.7	22.8	2.00	mg/L	94	94	<1%
QC12050203	MS 2		Fluoride	EPA 300.0	1205098-021	3.77	22.6	22.6	2.00	mg/L	94	94	<1%
QC12050204	MS 1		Fluoride	EPA 300.0	1205098-031	3.62	22.5	22.5	2.00	mg/L	94	94	<1%
QC12050204	MS 2		Fluoride	EPA 300.0	1205098-041	2.98	22.3	22.2	2.00	mg/L	97	96	<1%
QC12050207	MS 1		Chloride	EPA 300.0	1205098-001	14.8	68.5	68.4	5.00	mg/L	107	107	<1%
QC12050207	MS 2		Chloride	EPA 300.0	1205098-011	24.0	76.9	77.3	5.00	mg/L	106	106	1 %
QC12050208	MS 1		Chloride	EPA 300.0	1205098-021	22.8	75.9	75.9	5.00	mg/L	106	106	<1%
QC12050208	MS 2		Chloride	EPA 300.0	1205098-031	28.7	81.9	82.2	5.00	mg/L	107	107	<1%
QC12050209	MS 1		Chloride	EPA 300.0	1205098-041	31.4	85.1	85.1	5.00	mg/L	107	107	<1%
QC12050210	MS 1		Nitrite Nitrogen	EPA 300.0	1205075-001	<0.030	0.528	0.544	0.500	mg/L	104	107	3 %
QC12050210	MS 2		Nitrite Nitrogen	EPA 300.0	1205098-001	0.524	5.90	5.90	0.500	mg/L	108	108	<1%
QC12050213	MS 1		Nitrite Nitrogen	EPA 300.0	1205098-011	0.637	5.39	5.44	0.500	mg/L	95	96	1 %
QC12050213	MS 2		Nitrite Nitrogen	EPA 300.0	1205098-021	0.627	5.17	5.15	0.500	mg/L	91	90	<1%
QC12050214	MS 1		Nitrite Nitrogen	EPA 300.0	1205098-031	0.593	5.16	5.18	0.500	mg/L	91	92	<1%
QC12050214	MS 2		Nitrite Nitrogen	EPA 300.0	1205098-041	0.854	5.38	5.50	0.500	mg/L	90	93	2 %
QC12050216	MS 1		Nitrate Nitrogen	EPA 300.0	1205098-001	<1.000	21.3	21.3	2.00	mg/L	104	104	<1%
QC12050216	MS 2		Nitrate Nitrogen	EPA 300.0	1205098-011	<1.000	21.1	21.0	2.00	mg/L	103	102	<1%
QC12050217	MS 1		Nitrate Nitrogen	EPA 300.0	1205098-021	<1.000	20.9	21.1	2.00	mg/L	102	103	1 %
QC12050217	MS 2		Nitrate Nitrogen	EPA 300.0	1205098-031	<1.000	21.1	21.2	2.00	mg/L	103	103	<1%
QC12050218	MS 1		Nitrate Nitrogen	EPA 300.0	1205098-041	1.94	23.0	23.0	2.00	mg/L	105	105	<1%
QC12050219	MS 1		Sulfate	EPA 300.0	1205075-001	<1.500	10.5	10.7	10.0	mg/L	103	105	2 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12050219	MS 2	Sulfate	EPA 300.0	1205098-001	182	283	283	10.0	mg/L	101	101	<1%
QC12050220	MS 1	Sulfate	EPA 300.0	1205098-011	366	461	462	10.0	mg/L	95	96	<1%
QC12050220	MS 2	Sulfate	EPA 300.0	1205098-021	362	460	460	10.0	mg/L	98	98	<1%
QC12050221	MS 1	Sulfate	EPA 300.0	1205098-031	347	447	448	10.0	mg/L	101	101	<1%
QC12050221	MS 2	Sulfate	EPA 300.0	1205098-041	256	357	356	10.0	mg/L	100	100	<1%
QC12050522	MS 1	Aluminum	EPA 200.7	1205172-001	<0.200	1.25	1.28	1.00	mg/L	116	119	2 %
		Barium	EPA 200.7	1205172-001	0.018	0.951	0.950	1.00	mg/L	93	93	<1%
		Beryllium	EPA 200.7	1205172-001	<0.001	0.963	0.964	1.00	mg/L	96	96	<1%
		Bismuth	EPA 200.7	1205172-001	<0.100	0.964	0.953	1.00	mg/L	99	98	1 %
		Boron	EPA 200.7	1205172-001	<0.100	0.912	0.927	1.00	mg/L	95	97	2 %
		Calcium	EPA 200.7	1205172-001	395	SC 392	397	10.0	mg/L	NC	NC	NC
		Chromium	EPA 200.7	1205172-001	<0.005	0.955	0.955	1.00	mg/L	95	95	<1%
		Cobalt	EPA 200.7	1205172-001	0.345	1.28	1.29	1.00	mg/L	94	94	1 %
		Gallium	EPA 200.7	1205172-001	<0.100	0.951	0.952	1.00	mg/L	94	94	<1%
		Iron	EPA 200.7	1205172-001	0.276	1.22	1.22	1.00	mg/L	94	94	<1%
		Lithium	EPA 200.7	1205172-001	1.42	2.56	2.54	1.00	mg/L	114	112	1 %
		Magnesium	EPA 200.7	1205172-001	280	SC 294	296	10.0	mg/L	NC	NC	NC
		Manganese	EPA 200.7	1205172-001	8.92	SC 9.60	9.68	1.00	mg/L	NC	NC	NC
		Molybdenum	EPA 200.7	1205172-001	0.147	1.09	1.08	1.00	mg/L	94	93	1 %
		Nickel	EPA 200.7	1205172-001	1.59	6.28	6.29	5.00	mg/L	94	94	<1%
		Phosphorus	EPA 200.7	1205172-001	<0.500	5.21	5.19	5.00	mg/L	105	104	<1%
		Potassium	EPA 200.7	1205172-001	292	301	301	10.0	mg/L	90	90	<1%
		Scandium	EPA 200.7	1205172-001	<0.100	0.977	0.978	1.00	mg/L	98	98	<1%
		Silver	EPA 200.7	1205172-001	<0.005	0.093	0.093	0.090	mg/L	106	106	<1%
		Sodium	EPA 200.7	1205172-001	1230	SC 1250	1270	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1205172-001	1.23	2.19	2.16	1.00	mg/L	96	93	1 %
		Tin	EPA 200.7	1205172-001	<0.100	0.868	0.859	1.00	mg/L	95	94	1 %
		Titanium	EPA 200.7	1205172-001	<0.100	0.952	0.944	1.00	mg/L	95	94	1 %
		Vanadium	EPA 200.7	1205172-001	0.085	1.05	1.05	1.00	mg/L	96	96	<1%
		Zinc	EPA 200.7	1205172-001	7.40	8.43	8.50	1.00	mg/L	103	110	1 %
QC12050523	MS 1	Aluminum	EPA 200.7	1205178-001	0.051	0.975	0.978	1.00	mg/L	92	93	<1%
		Barium	EPA 200.7	1205178-001	0.066	0.992	0.995	1.00	mg/L	93	93	<1%
		Beryllium	EPA 200.7	1205178-001	<0.001	0.941	0.937	1.00	mg/L	94	94	<1%
		Bismuth	EPA 200.7	1205178-001	<0.100	0.937	0.937	1.00	mg/L	94	94	<1%
		Boron	EPA 200.7	1205178-001	0.182	1.09	1.09	1.00	mg/L	91	91	<1%
		Calcium	EPA 200.7	1205178-001	34.4	42.1	41.9	10.0	mg/L	77	75	<1%
		Chromium	EPA 200.7	1205178-001	<0.005	0.925	0.929	1.00	mg/L	93	93	<1%
		Cobalt	EPA 200.7	1205178-001	<0.010	0.928	0.934	1.00	mg/L	93	93	1 %
		Gallium	EPA 200.7	1205178-001	<0.100	0.941	0.942	1.00	mg/L	94	94	<1%
		Iron	EPA 200.7	1205178-001	<0.050	0.935	0.943	1.00	mg/L	90	91	1 %
		Lithium	EPA 200.7	1205178-001	<0.100	0.995	1.01	1.00	mg/L	94	96	1 %
		Magnesium	EPA 200.7	1205178-001	9.02	17.3	17.4	10.0	mg/L	83	84	1 %
		Manganese	EPA 200.7	1205178-001	<0.005	0.917	0.924	1.00	mg/L	93	94	1 %
		Molybdenum	EPA 200.7	1205178-001	<0.010	0.936	0.928	1.00	mg/L	93	92	1 %
		Nickel	EPA 200.7	1205178-001	<0.010	4.61	4.64	5.00	mg/L	92	93	1 %
		Phosphorus	EPA 200.7	1205178-001	<0.500	5.15	5.17	5.00	mg/L	94	94	<1%
		Potassium	EPA 200.7	1205178-001	5.73	15.2	15.3	10.0	mg/L	95	96	1 %
		Scandium	EPA 200.7	1205178-001	<0.100	0.940	0.937	1.00	mg/L	94	94	<1%
		Silver	EPA 200.7	1205178-001	<0.005	0.085	0.084	0.090	mg/L	96	94	1 %
		Sodium	EPA 200.7	1205178-001	72.1	SC 78.3	76.8	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1205178-001	0.446	1.40	1.38	1.00	mg/L	95	93	1 %
		Tin	EPA 200.7	1205178-001	<0.100	0.901	0.895	1.00	mg/L	92	92	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12050538	MS 1	Titanium	EPA 200.7	1205178-001	<0.100	0.945	0.944	1.00	mg/L	94	94	<1%
		Vanadium	EPA 200.7	1205178-001	0.029	0.963	0.963	1.00	mg/L	93	93	<1%
		Zinc	EPA 200.7	1205178-001	<0.010	0.941	0.953	1.00	mg/L	94	95	1 %
		Mercury	EPA 200.8	1205172-001	<0.00010	M 0.000547	0.000598	0.001	mg/L	NC	NC	NC
		Antimony	EPA 200.8	1205172-001	0.0097	0.0189	0.0187	0.010	mg/L	92	90	1 %
		Arsenic	EPA 200.8	1205172-001	0.0290	0.0827	0.0830	0.050	mg/L	107	108	<1%
		Cadmium	EPA 200.8	1205172-001	0.0516	0.0599	0.0579	0.010	mg/L	83	63	3 %
		Copper	EPA 200.8	1205172-001	0.0255	0.0375	0.0353	0.010	mg/L	120	98	6 %
		Lead	EPA 200.8	1205172-001	<0.0025	0.0071	0.0075	0.010	mg/L	70	74	5 %
QC12050539	MS 1	Selenium	EPA 200.8	1205172-001	0.2582	0.3042	0.3023	0.050	mg/L	92	88	1 %
		Thallium	EPA 200.8	1205172-001	0.0240	0.0310	0.0309	0.010	mg/L	70	69	<1%
		Mercury	EPA 200.8	1205178-001	<0.00010	0.000867	0.000855	0.001	mg/L	86	85	1 %
		Antimony	EPA 200.8	1205178-001	<0.0025	0.0098	0.0097	0.010	mg/L	88	86	1 %
		Arsenic	EPA 200.8	1205178-001	0.0154	0.0627	0.0637	0.050	mg/L	95	97	2 %
		Cadmium	EPA 200.8	1205178-001	<0.0010	0.0094	0.0093	0.010	mg/L	94	93	1 %
		Copper	EPA 200.8	1205178-001	<0.0050	0.0124	0.0121	0.010	mg/L	74	71	2 %
		Lead	EPA 200.8	1205178-001	<0.0025	0.0090	0.0089	0.010	mg/L	90	89	1 %
		Selenium	EPA 200.8	1205178-001	<0.0050	0.0442	0.0445	0.050	mg/L	85	86	1 %
QC12050540	MS 1	Thallium	EPA 200.8	1205178-001	<0.0010	0.0090	0.0090	0.010	mg/L	90	90	<1%
		Mercury	EPA 200.8	1205178-002	<0.00010	M 0.000661	0.000627	0.001	mg/L	NC	NC	NC
		Antimony	EPA 200.8	1205178-002	<0.0025	M 0.0063	0.0062	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1205178-002	0.8203	SC 0.8324	0.8640	0.050	mg/L	NC	NC	NC
		Cadmium	EPA 200.8	1205178-002	<0.0010	0.0088	0.0087	0.010	mg/L	79	79	1 %
		Copper	EPA 200.8	1205178-002	0.0434	SC 0.0592	0.0656	0.010	mg/L	NC	NC	NC
		Lead	EPA 200.8	1205178-002	0.0039	0.0119	0.0124	0.010	mg/L	80	85	4 %
		Selenium	EPA 200.8	1205178-002	0.0080	0.0434	0.0379	0.050	mg/L	71	60	14 %
		Thallium	EPA 200.8	1205178-002	<0.0010	M 0.0067	0.0074	0.010	mg/L	NC	NC	NC
QC12050541	MS 1	Mercury	EPA 200.8	1205180-001	0.000577	0.001473	0.001406	0.001	mg/L	90	83	5 %
		Antimony	EPA 200.8	1205180-001	0.0243	0.0332	0.0327	0.010	mg/L	89	84	2 %
		Arsenic	EPA 200.8	1205180-001	0.0449	0.0802	0.0800	0.050	mg/L	71	70	<1%
		Cadmium	EPA 200.8	1205180-001	<0.0010	0.0092	0.0093	0.010	mg/L	91	91	1 %
		Copper	EPA 200.8	1205180-001	0.0072	M 0.0138	0.0144	0.010	mg/L	NC	NC	NC
		Lead	EPA 200.8	1205180-001	<0.0025	0.0090	0.0090	0.010	mg/L	88	89	<1%
		Selenium	EPA 200.8	1205180-001	<0.0050	M 0.0280	0.0283	0.050	mg/L	NC	NC	NC
		Thallium	EPA 200.8	1205180-001	<0.0010	0.0096	0.0098	0.010	mg/L	94	96	2 %
		Mercury	EPA 200.8	1205180-002	<0.00010	0.000839	0.000853	0.001	mg/L	84	85	2 %
QC12050542	MS 1	Antimony	EPA 200.8	1205180-002	0.0652	0.0726	0.0734	0.010	mg/L	74	82	1 %
		Arsenic	EPA 200.8	1205180-002	0.1361	0.1856	0.1868	0.050	mg/L	99	101	1 %
		Cadmium	EPA 200.8	1205180-002	<0.0010	0.0093	0.0092	0.010	mg/L	93	92	1 %
		Copper	EPA 200.8	1205180-002	0.0052	0.0147	0.0143	0.010	mg/L	95	91	3 %
		Lead	EPA 200.8	1205180-002	<0.0025	0.0088	0.0087	0.010	mg/L	87	85	1 %
		Selenium	EPA 200.8	1205180-002	<0.0050	0.0430	0.0422	0.050	mg/L	86	84	2 %
		Thallium	EPA 200.8	1205180-002	<0.0010	0.0099	0.0099	0.010	mg/L	95	95	<1%
		Mercury	EPA 200.8	1205180-003	<0.00010	0.000813	0.000836	0.001	mg/L	81	84	3 %
		Antimony	EPA 200.8	1205180-003	0.0289	0.0361	0.0372	0.010	mg/L	71	83	3 %
QC12050543	MS 1	Arsenic	EPA 200.8	1205180-003	0.0244	0.0785	0.0771	0.050	mg/L	108	105	2 %
		Cadmium	EPA 200.8	1205180-003	<0.0010	0.0097	0.0096	0.010	mg/L	96	95	1 %
		Copper	EPA 200.8	1205180-003	0.0071	0.0170	0.0170	0.010	mg/L	100	99	<1%
		Lead	EPA 200.8	1205180-003	<0.0025	0.0088	0.0088	0.010	mg/L	87	87	<1%
		Selenium	EPA 200.8	1205180-003	<0.0050	0.0436	0.0435	0.050	mg/L	87	87	<1%
		Thallium	EPA 200.8	1205180-003	<0.0010	0.0084	0.0085	0.010	mg/L	84	85	1 %
		Aluminum	EPA 200.7	1205178-002	3.07	M 18.6	17.1	1.00	mg/L	NC	NC	NC

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12050548	MS 1	Barium	EPA 200.7	1205178-002	0.078	1.00	0.988	1.00	mg/L	92	91	1 %
		Beryllium	EPA 200.7	1205178-002	<0.001	0.945	0.924	1.00	mg/L	94	92	2 %
		Bismuth	EPA 200.7	1205178-002	<0.100	0.888	0.854	1.00	mg/L	90	87	4 %
		Boron	EPA 200.7	1205178-002	3.27	4.33	4.17	1.00	mg/L	106	90	4 %
		Calcium	EPA 200.7	1205178-002	19.8	28.4	27.5	10.0	mg/L	86	77	3 %
		Chromium	EPA 200.7	1205178-002	0.020	1.01	0.980	1.00	mg/L	99	96	3 %
		Cobalt	EPA 200.7	1205178-002	0.014	0.935	0.913	1.00	mg/L	92	90	2 %
		Gallium	EPA 200.7	1205178-002	<0.100	0.867	0.854	1.00	mg/L	86	85	2 %
		Iron	EPA 200.7	1205178-002	4.09	SC 8.08	7.49	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1205178-002	0.111	1.18	1.14	1.00	mg/L	107	103	3 %
		Magnesium	EPA 200.7	1205178-002	44.3	53.4	51.3	10.0	mg/L	91	70	4 %
		Manganese	EPA 200.7	1205178-002	0.231	1.17	1.14	1.00	mg/L	94	91	3 %
		Molybdenum	EPA 200.7	1205178-002	0.373	1.34	1.33	1.00	mg/L	97	96	1 %
		Nickel	EPA 200.7	1205178-002	0.023	4.63	4.52	5.00	mg/L	92	90	2 %
		Phosphorus	EPA 200.7	1205178-002	3.47	8.54	8.23	5.00	mg/L	101	95	4 %
		Potassium	EPA 200.7	1205178-002	8.03	19.5	18.6	10.0	mg/L	115	106	5 %
		Scandium	EPA 200.7	1205178-002	<0.100	0.931	0.912	1.00	mg/L	93	91	2 %
		Silver	EPA 200.7	1205178-002	<0.005	0.089	0.086	0.090	mg/L	101	97	3 %
		Sodium	EPA 200.7	1205178-002	1620	SC 1600	1460	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1205178-002	0.730	1.64	1.58	1.00	mg/L	91	85	4 %
		Tin	EPA 200.7	1205178-002	<0.100	0.880	0.894	1.00	mg/L	89	91	2 %
		Titanium	EPA 200.7	1205178-002	<0.100	1.14	1.13	1.00	mg/L	104	103	1 %
		Vanadium	EPA 200.7	1205178-002	0.088	1.05	1.03	1.00	mg/L	96	94	2 %
		Zinc	EPA 200.7	1205178-002	0.032	1.02	0.995	1.00	mg/L	99	96	2 %
		Aluminum	EPA 200.7	1205180-001	<0.045	0.930	0.943	1.00	mg/L	91	92	1 %
		Barium	EPA 200.7	1205180-001	0.017	0.918	0.933	1.00	mg/L	90	92	2 %
		Beryllium	EPA 200.7	1205180-001	<0.001	0.908	0.927	1.00	mg/L	91	93	2 %
		Bismuth	EPA 200.7	1205180-001	<0.100	0.907	0.922	1.00	mg/L	91	92	2 %
		Boron	EPA 200.7	1205180-001	0.336	1.27	1.30	1.00	mg/L	93	96	2 %
		Calcium	EPA 200.7	1205180-001	15.2	24.3	24.8	10.0	mg/L	91	96	2 %
		Chromium	EPA 200.7	1205180-001	<0.005	0.898	0.914	1.00	mg/L	90	91	2 %
		Cobalt	EPA 200.7	1205180-001	<0.010	0.903	0.921	1.00	mg/L	90	92	2 %
		Gallium	EPA 200.7	1205180-001	<0.100	0.901	0.917	1.00	mg/L	90	92	2 %
		Iron	EPA 200.7	1205180-001	1.44	2.39	2.43	1.00	mg/L	95	99	2 %
		Lithium	EPA 200.7	1205180-001	0.322	1.25	1.27	1.00	mg/L	93	95	2 %
		Magnesium	EPA 200.7	1205180-001	2.08	10.7	10.9	10.0	mg/L	86	88	2 %
		Manganese	EPA 200.7	1205180-001	0.050	0.960	0.979	1.00	mg/L	91	93	2 %
		Molybdenum	EPA 200.7	1205180-001	0.023	0.943	0.936	1.00	mg/L	92	91	1 %
		Nickel	EPA 200.7	1205180-001	<0.010	4.45	4.54	5.00	mg/L	89	91	2 %
		Phosphorus	EPA 200.7	1205180-001	<0.500	4.64	4.72	5.00	mg/L	92	93	2 %
		Potassium	EPA 200.7	1205180-001	1.78	11.5	11.7	10.0	mg/L	97	99	2 %
		Scandium	EPA 200.7	1205180-001	<0.100	0.926	0.943	1.00	mg/L	93	94	2 %
		Silver	EPA 200.7	1205180-001	<0.005	0.083	0.085	0.090	mg/L	95	97	2 %
		Sodium	EPA 200.7	1205180-001	123	131	134	10.0	mg/L	80	110	2 %
		Strontium	EPA 200.7	1205180-001	0.187	1.13	1.15	1.00	mg/L	94	96	2 %
		Tin	EPA 200.7	1205180-001	<0.100	0.904	0.898	1.00	mg/L	91	90	1 %
		Titanium	EPA 200.7	1205180-001	<0.100	0.967	0.962	1.00	mg/L	97	96	1 %
		Vanadium	EPA 200.7	1205180-001	<0.010	0.924	0.943	1.00	mg/L	92	94	2 %
		Zinc	EPA 200.7	1205180-001	0.021	0.948	0.964	1.00	mg/L	93	94	2 %
QC12050549	MS 1	Aluminum	EPA 200.7	1205180-002	<0.045	0.932	0.928	1.00	mg/L	93	92	<1%
		Barium	EPA 200.7	1205180-002	0.014	0.945	0.961	1.00	mg/L	93	95	2 %
		Beryllium	EPA 200.7	1205180-002	<0.001	0.936	0.959	1.00	mg/L	94	96	2 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12050550	MS 1	Bismuth	EPA 200.7	1205180-002	<0.100	0.939	0.953	1.00	mg/L	93	95	1 %
		Boron	EPA 200.7	1205180-002	0.341	1.29	1.31	1.00	mg/L	95	97	2 %
		Calcium	EPA 200.7	1205180-002	35.1	45.3	45.2	10.0	mg/L	102	101	<1%
		Chromium	EPA 200.7	1205180-002	<0.005	0.925	0.940	1.00	mg/L	93	94	2 %
		Cobalt	EPA 200.7	1205180-002	<0.010	0.931	0.951	1.00	mg/L	93	95	2 %
		Gallium	EPA 200.7	1205180-002	<0.100	0.937	0.943	1.00	mg/L	94	94	1 %
		Iron	EPA 200.7	1205180-002	1.18	2.13	2.16	1.00	mg/L	95	98	1 %
		Lithium	EPA 200.7	1205180-002	<0.100	1.01	1.01	1.00	mg/L	97	97	<1%
		Magnesium	EPA 200.7	1205180-002	4.55	13.3	13.6	10.0	mg/L	88	90	2 %
		Manganese	EPA 200.7	1205180-002	0.122	1.06	1.08	1.00	mg/L	94	96	2 %
		Molybdenum	EPA 200.7	1205180-002	0.022	0.957	0.966	1.00	mg/L	94	94	1 %
		Nickel	EPA 200.7	1205180-002	<0.010	4.62	4.71	5.00	mg/L	92	94	2 %
		Phosphorus	EPA 200.7	1205180-002	<0.500	4.79	4.89	5.00	mg/L	95	97	2 %
		Potassium	EPA 200.7	1205180-002	1.91	12.1	12.1	10.0	mg/L	102	102	<1%
		Scandium	EPA 200.7	1205180-002	<0.100	0.943	0.953	1.00	mg/L	94	95	1 %
		Silver	EPA 200.7	1205180-002	<0.005	0.085	0.086	0.090	mg/L	96	97	1 %
		Sodium	EPA 200.7	1205180-002	65.1	75.1	75.7	10.0	mg/L	100	106	1 %
		Strontium	EPA 200.7	1205180-002	0.339	1.28	1.29	1.00	mg/L	94	95	1 %
		Tin	EPA 200.7	1205180-002	<0.100	0.905	0.920	1.00	mg/L	93	94	2 %
		Titanium	EPA 200.7	1205180-002	<0.100	0.957	0.958	1.00	mg/L	96	96	<1%
		Vanadium	EPA 200.7	1205180-002	<0.010	0.953	0.967	1.00	mg/L	95	96	1 %
		Zinc	EPA 200.7	1205180-002	<0.010	0.967	0.995	1.00	mg/L	96	99	3 %
		Aluminum	EPA 200.7	1205180-003	<0.045	0.926	0.912	1.00	mg/L	91	90	2 %
		Barium	EPA 200.7	1205180-003	0.025	0.958	0.958	1.00	mg/L	93	93	<1%
		Beryllium	EPA 200.7	1205180-003	<0.001	0.947	0.949	1.00	mg/L	95	95	<1%
		Bismuth	EPA 200.7	1205180-003	<0.100	0.936	0.930	1.00	mg/L	94	94	1 %
		Boron	EPA 200.7	1205180-003	0.455	1.40	1.40	1.00	mg/L	94	94	<1%
		Calcium	EPA 200.7	1205180-003	43.6	52.9	50.7	10.0	mg/L	93	71	4 %
		Chromium	EPA 200.7	1205180-003	<0.005	0.920	0.920	1.00	mg/L	92	92	<1%
		Cobalt	EPA 200.7	1205180-003	<0.010	0.932	0.935	1.00	mg/L	93	93	<1%
		Gallium	EPA 200.7	1205180-003	<0.100	0.934	0.931	1.00	mg/L	93	93	<1%
		Iron	EPA 200.7	1205180-003	2.84	3.84	3.74	1.00	mg/L	100	90	3 %
		Lithium	EPA 200.7	1205180-003	<0.100	1.06	1.04	1.00	mg/L	100	98	2 %
		Magnesium	EPA 200.7	1205180-003	8.38	17.0	16.9	10.0	mg/L	86	85	1 %
		Manganese	EPA 200.7	1205180-003	0.162	1.09	1.09	1.00	mg/L	93	93	<1%
		Molybdenum	EPA 200.7	1205180-003	0.076	1.05	1.03	1.00	mg/L	97	95	2 %
		Nickel	EPA 200.7	1205180-003	<0.010	4.62	4.65	5.00	mg/L	92	93	1 %
		Phosphorus	EPA 200.7	1205180-003	<0.500	4.79	4.84	5.00	mg/L	96	97	1 %
		Potassium	EPA 200.7	1205180-003	2.45	12.7	12.4	10.0	mg/L	102	100	2 %
		Scandium	EPA 200.7	1205180-003	<0.100	0.947	0.942	1.00	mg/L	95	94	1 %
		Silver	EPA 200.7	1205180-003	<0.005	0.085	0.084	0.090	mg/L	97	95	1 %
		Sodium	EPA 200.7	1205180-003	96.2	105	99.7	10.0	mg/L	88	35	5 %
		Strontium	EPA 200.7	1205180-003	0.421	1.40	1.34	1.00	mg/L	98	92	4 %
		Tin	EPA 200.7	1205180-003	<0.100	0.917	0.907	1.00	mg/L	94	93	1 %
		Titanium	EPA 200.7	1205180-003	<0.100	0.976	0.945	1.00	mg/L	97	94	3 %
		Vanadium	EPA 200.7	1205180-003	<0.010	0.961	0.962	1.00	mg/L	95	95	<1%
		Zinc	EPA 200.7	1205180-003	<0.010	0.967	0.978	1.00	mg/L	96	97	1 %

5/29/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1205246

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 5/11/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1205246

General Comments

Due to lack of sample volume some analyses were not performed

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1205246-001 through 016 Nitrate Nitrogen, Selenium

1205246-002 Thallium

The reporting limits have been adjusted accordingly.

The cation/anion balance for numerous samples was outside WETLAB acceptance criteria; However, there are two unidentified analytes (anions) present in the ion chromatography analysis that may contribute to improve the balance but since it is an unknown analyte we were not able to investigate further. The unidentified analytes are seen in all submitted samples however the cation/anion balances for some samples were considered acceptable.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 5/29/2012

OrderID: 1205246

Customer Sample ID: 63515 R

Collect Date/Time: 5/11/2012 10:00

WETLAB Sample ID: 1205246-001

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.26	pH Units		5/11/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO ₃)	SM 2320B	320	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	48	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	680	mg/L as CaCO ₃	1.0	5/14/2012
Chloride	EPA 300.0	23	mg/L	1.5	5/11/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/11/2012
Sulfate	EPA 300.0	230	mg/L	15	5/11/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/11/2012
Nitrite Nitrogen	EPA 300.0	0.71	mg/L	0.30	5/11/2012
Aluminum, Dissolved	EPA 200.7	0.16	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	0.027	mg/L	0.010	5/21/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.13	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.030	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	4.4	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.13	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	2.8	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	4.6	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.041	mg/L	0.0050	5/21/2012
Molybdenum, Dissolved	EPA 200.7	0.093	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.018	mg/L	0.010	5/21/2012

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Customer Sample ID: 63515 R
WETLAB Sample ID: 1205246-001

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	12	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	590	mg/L	0.50	5/21/2012
Strontium, Dissolved	EPA 200.7	0.27	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.16	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	6.4	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0022	mg/L	0.0010	5/24/2012
Antimony, Dissolved	EPA 200.8	0.63	mg/L	0.010	5/24/2012
Arsenic, Dissolved	EPA 200.8	8.8	mg/L	0.050	5/24/2012
Lead, Dissolved	EPA 200.8	0.028	mg/L	0.010	5/24/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/24/2012
Thallium, Dissolved	EPA 200.8	<0.010	mg/L	0.010	5/24/2012
Anions	Calculation	19.1	meq/L	0.10	
Cations	Calculation	26.7	meq/L	0.10	
Error	Calculation	17	%	1.0	

Customer Sample ID: 63515 S
WETLAB Sample ID: 1205246-002

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.25	pH Units		5/11/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO ₃)	SM 2320B	310	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	56	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	680	mg/L as CaCO ₃	1.0	5/14/2012
Chloride	EPA 300.0	23	mg/L	1.5	5/11/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/11/2012
Sulfate	EPA 300.0	230	mg/L	15	5/11/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/11/2012
Nitrite Nitrogen	EPA 300.0	0.62	mg/L	0.30	5/11/2012
Aluminum, Dissolved	EPA 200.7	0.090	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	0.014	mg/L	0.010	5/21/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012

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Customer Sample ID: 63515 S
WETLAB Sample ID: 1205246-002

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Boron, Dissolved	EPA 200.7	0.13	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.031	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	4.3	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.13	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	2.6	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	4.2	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.041	mg/L	0.0050	5/21/2012
Molybdenum, Dissolved	EPA 200.7	0.094	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.020	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	12	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	580	mg/L	0.50	5/21/2012
Strontium, Dissolved	EPA 200.7	0.26	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.16	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	6.6	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0059	mg/L	0.0020	5/25/2012
Antimony, Dissolved	EPA 200.8	0.58	mg/L	0.010	5/24/2012
Arsenic, Dissolved	EPA 200.8	7.7	mg/L	0.050	5/24/2012
Lead, Dissolved	EPA 200.8	0.020	mg/L	0.010	5/24/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/24/2012
Thallium, Dissolved	EPA 200.8	<0.010	mg/L	0.010	5/24/2012
Anions	Calculation	19.3	meq/L	0.10	
Cations	Calculation	26.3	meq/L	0.10	
Error	Calculation	15	%	1.0	

Customer Sample ID: 63516 R
WETLAB Sample ID: 1205246-003

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.22	pH Units		5/11/2012

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Customer Sample ID: 63516 R
WETLAB Sample ID: 1205246-003

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO ₃)	SM 2320B	280	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	39	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	590	mg/L as CaCO ₃	1.0	5/14/2012
Chloride	EPA 300.0	25	mg/L	1.5	5/11/2012
Fluoride	EPA 300.0	4.2	mg/L	1.0	5/11/2012
Sulfate	EPA 300.0	360	mg/L	15	5/11/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/11/2012
Nitrite Nitrogen	EPA 300.0	0.76	mg/L	0.30	5/11/2012
Aluminum, Dissolved	EPA 200.7	0.099	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	0.017	mg/L	0.010	5/21/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.14	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.038	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	6.9	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.18	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	4.0	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	5.3	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.0098	mg/L	0.0050	5/21/2012
Molybdenum, Dissolved	EPA 200.7	0.17	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.027	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	12	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	730	mg/L	5.0	5/22/2012
Strontium, Dissolved	EPA 200.7	0.40	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.16	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	9.2	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.011	mg/L	0.0010	5/23/2012
Antimony, Dissolved	EPA 200.8	0.69	mg/L	0.010	5/23/2012

Customer Sample ID: 63516 R
WETLAB Sample ID: 1205246-003

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Arsenic, Dissolved	EPA 200.8	8.6	mg/L	0.050	5/23/2012
Lead, Dissolved	EPA 200.8	0.016	mg/L	0.010	5/23/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/24/2012
Thallium, Dissolved	EPA 200.8	<0.010	mg/L	0.010	5/23/2012
Anions	Calculation	20.1	meq/L	0.10	
Cations	Calculation	33.1	meq/L	0.10	
Error	Calculation	24	%	1.0	

Customer Sample ID: 63516 S
WETLAB Sample ID: 1205246-004

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.32	pH Units		5/11/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO ₃)	SM 2320B	320	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	29	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	650	mg/L as CaCO ₃	1.0	5/14/2012
Chloride	EPA 300.0	24	mg/L	1.5	5/11/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	5/11/2012
Sulfate	EPA 300.0	350	mg/L	15	5/11/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/11/2012
Nitrite Nitrogen	EPA 300.0	0.84	mg/L	0.30	5/11/2012
Aluminum, Dissolved	EPA 200.7	0.10	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	0.014	mg/L	0.010	5/21/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.14	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.038	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	5.3	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.19	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	2.8	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	4.7	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.017	mg/L	0.0050	5/21/2012
Molybdenum, Dissolved	EPA 200.7	0.16	mg/L	0.010	5/21/2012

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Customer Sample ID: 63516 S
WETLAB Sample ID: 1205246-004

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nickel, Dissolved	EPA 200.7	0.020	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	13	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	760	mg/L	5.0	5/22/2012
Strontium, Dissolved	EPA 200.7	0.38	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.14	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	9.0	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0091	mg/L	0.00010	5/23/2012
Antimony, Dissolved	EPA 200.8	0.71	mg/L	0.010	5/23/2012
Arsenic, Dissolved	EPA 200.8	8.1	mg/L	0.050	5/23/2012
Lead, Dissolved	EPA 200.8	0.0093	mg/L	0.0025	5/23/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/24/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	5/23/2012
Anions	Calculation	20.6	meq/L	0.10	
Cations	Calculation	34.3	meq/L	0.10	
Error	Calculation	25	%	1.0	

Customer Sample ID: 63517 R
WETLAB Sample ID: 1205246-005

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.27	pH Units		5/11/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO ₃)	SM 2320B	350	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	39	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	700	mg/L as CaCO ₃	1.0	5/14/2012
Chloride	EPA 300.0	25	mg/L	1.5	5/11/2012
Fluoride	EPA 300.0	3.6	mg/L	1.0	5/11/2012
Sulfate	EPA 300.0	310	mg/L	15	5/11/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/11/2012
Nitrite Nitrogen	EPA 300.0	0.63	mg/L	0.30	5/11/2012
Aluminum, Dissolved	EPA 200.7	0.16	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	0.041	mg/L	0.010	5/21/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012

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Customer Sample ID: 63517 R
WETLAB Sample ID: 1205246-005

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.11	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.032	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	5.9	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	0.0054	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.18	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	2.9	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	5.5	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.12	mg/L	0.0050	5/21/2012
Molybdenum, Dissolved	EPA 200.7	0.15	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.015	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	11	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	750	mg/L	5.0	5/22/2012
Strontium, Dissolved	EPA 200.7	0.34	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.14	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	8.3	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0076	mg/L	0.00010	5/23/2012
Antimony, Dissolved	EPA 200.8	0.65	mg/L	0.010	5/23/2012
Arsenic, Dissolved	EPA 200.8	7.3	mg/L	0.050	5/23/2012
Lead, Dissolved	EPA 200.8	0.035	mg/L	0.0025	5/23/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/24/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	5/23/2012
Anions	Calculation	21.3	meq/L	0.10	
Cations	Calculation	33.9	meq/L	0.10	
Error	Calculation	23	%	1.0	

Customer Sample ID: 63517 S
WETLAB Sample ID: 1205246-006

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.28	pH Units		5/11/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO ₃)	SM 2320B	360	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	30	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	680	mg/L as CaCO ₃	1.0	5/14/2012
Chloride	EPA 300.0	24	mg/L	1.5	5/12/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	5/12/2012
Sulfate	EPA 300.0	300	mg/L	15	5/12/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/12/2012
Nitrite Nitrogen	EPA 300.0	0.70	mg/L	0.30	5/12/2012
Aluminum, Dissolved	EPA 200.7	0.069	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	0.012	mg/L	0.010	5/21/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.13	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.036	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	4.5	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.17	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	4.2	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	5.7	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.058	mg/L	0.0050	5/21/2012
Molybdenum, Dissolved	EPA 200.7	0.15	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.022	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	11	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	730	mg/L	5.0	5/22/2012
Strontium, Dissolved	EPA 200.7	0.33	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.16	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	8.8	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0066	mg/L	0.00010	5/23/2012

Customer Sample ID: 63517 S
WETLAB Sample ID: 1205246-006

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony, Dissolved	EPA 200.8	0.67	mg/L	0.010	5/23/2012
Arsenic, Dissolved	EPA 200.8	7.6	mg/L	0.050	5/23/2012
Lead, Dissolved	EPA 200.8	0.0088	mg/L	0.0025	5/23/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/24/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	5/23/2012
Anions	Calculation	20.9	meq/L	0.10	
Cations	Calculation	33.0	meq/L	0.10	
Error	Calculation	22	%	1.0	

Customer Sample ID: 63518 R
WETLAB Sample ID: 1205246-007

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.32	pH Units		5/11/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO3)	SM 2320B	340	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	48	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	700	mg/L as CaCO3	1.0	5/14/2012
Chloride	EPA 300.0	24	mg/L	1.5	5/12/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	5/12/2012
Sulfate	EPA 300.0	350	mg/L	15	5/12/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/12/2012
Nitrite Nitrogen	EPA 300.0	0.73	mg/L	0.30	5/12/2012
Aluminum, Dissolved	EPA 200.7	0.10	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	0.016	mg/L	0.010	5/21/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.13	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.042	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	6.9	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.16	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	5.6	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	4.4	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.044	mg/L	0.0050	5/21/2012

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Customer Sample ID: 63518 R
WETLAB Sample ID: 1205246-007

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum, Dissolved	EPA 200.7	0.16	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.028	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	12	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	810	mg/L	5.0	5/22/2012
Strontium, Dissolved	EPA 200.7	0.41	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.14	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	10	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0081	mg/L	0.00010	5/23/2012
Antimony, Dissolved	EPA 200.8	0.73	mg/L	0.010	5/23/2012
Arsenic, Dissolved	EPA 200.8	7.4	mg/L	0.050	5/23/2012
Lead, Dissolved	EPA 200.8	0.018	mg/L	0.0025	5/23/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/24/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	5/23/2012
Anions	Calculation	22.3	meq/L	0.10	
Cations	Calculation	36.6	meq/L	0.10	
Error	Calculation	24	%	1.0	

Customer Sample ID: 63518 S
WETLAB Sample ID: 1205246-008

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.24	pH Units		5/11/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO ₃)	SM 2320B	340	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	16	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO ₃	1.0	5/14/2012
Chloride	EPA 300.0	21	mg/L	1.5	5/12/2012
Fluoride	EPA 300.0	3.6	mg/L	1.0	5/12/2012
Sulfate	EPA 300.0	310	mg/L	15	5/12/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/12/2012
Nitrite Nitrogen	EPA 300.0	0.53	mg/L	0.30	5/12/2012
Aluminum, Dissolved	EPA 200.7	0.089	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	<0.010	mg/L	0.010	5/21/2012

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Customer Sample ID: 63518 S
WETLAB Sample ID: 1205246-008

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.14	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.038	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	4.8	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.18	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	5.1	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	4.3	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.011	mg/L	0.0050	5/21/2012
Molybdenum, Dissolved	EPA 200.7	0.16	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.023	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	11	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	760	mg/L	5.0	5/22/2012
Strontium, Dissolved	EPA 200.7	0.34	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.15	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	9.4	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0083	mg/L	0.00010	5/23/2012
Antimony, Dissolved	EPA 200.8	0.67	mg/L	0.010	5/24/2012
Arsenic, Dissolved	EPA 200.8	8.3	mg/L	0.050	5/23/2012
Lead, Dissolved	EPA 200.8	0.012	mg/L	0.0025	5/23/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/24/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	5/23/2012
Anions	Calculation	19.5	meq/L	0.10	
Cations	Calculation	34.3	meq/L	0.10	
Error	Calculation	27	%	1.0	

Customer Sample ID: 63519 R
WETLAB Sample ID: 1205246-009

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.29	pH Units		5/11/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO ₃)	SM 2320B	360	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	19	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	660	mg/L as CaCO ₃	1.0	5/14/2012
Chloride	EPA 300.0	32	mg/L	1.5	5/12/2012
Fluoride	EPA 300.0	4.0	mg/L	1.0	5/12/2012
Sulfate	EPA 300.0	350	mg/L	15	5/12/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/12/2012
Nitrite Nitrogen	EPA 300.0	0.79	mg/L	0.30	5/12/2012
Aluminum, Dissolved	EPA 200.7	0.27	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	0.070	mg/L	0.010	5/21/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.14	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.033	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	6.1	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	0.0054	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.18	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	4.9	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	3.9	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.053	mg/L	0.0050	5/21/2012
Molybdenum, Dissolved	EPA 200.7	0.17	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.022	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	14	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	800	mg/L	5.0	5/22/2012
Strontium, Dissolved	EPA 200.7	0.32	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.16	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	8.7	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0074	mg/L	0.00010	5/23/2012

Customer Sample ID: 63519 R
WETLAB Sample ID: 1205246-009

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony, Dissolved	EPA 200.8	0.72	mg/L	0.010	5/25/2012
Arsenic, Dissolved	EPA 200.8	8.8	mg/L	0.050	5/23/2012
Lead, Dissolved	EPA 200.8	0.067	mg/L	0.0025	5/23/2012
Selenium, Dissolved	EPA 200.8	0.051	mg/L	0.0050	5/24/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	5/23/2012
Anions	Calculation	21.5	meq/L	0.10	
Cations	Calculation	36.1	meq/L	0.10	
Error	Calculation	25	%	1.0	

Customer Sample ID: 63519 S
WETLAB Sample ID: 1205246-010

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.27	pH Units		5/11/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO3)	SM 2320B	330	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	34	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	650	mg/L as CaCO3	1.0	5/14/2012
Chloride	EPA 300.0	31	mg/L	1.5	5/12/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	5/12/2012
Sulfate	EPA 300.0	330	mg/L	15	5/12/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/12/2012
Nitrite Nitrogen	EPA 300.0	0.75	mg/L	0.30	5/12/2012
Aluminum, Dissolved	EPA 200.7	0.25	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	0.057	mg/L	0.010	5/21/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.15	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.037	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	5.6	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	0.0052	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.18	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	5.8	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	4.0	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.041	mg/L	0.0050	5/21/2012

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Customer Sample ID: 63519 S
WETLAB Sample ID: 1205246-010

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum, Dissolved	EPA 200.7	0.16	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.028	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	13	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	790	mg/L	5.0	5/22/2012
Strontium, Dissolved	EPA 200.7	0.30	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.17	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	9.2	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0078	mg/L	0.00010	5/23/2012
Antimony, Dissolved	EPA 200.8	0.75	mg/L	0.010	5/25/2012
Arsenic, Dissolved	EPA 200.8	10	mg/L	0.50	5/24/2012
Lead, Dissolved	EPA 200.8	0.051	mg/L	0.0025	5/23/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/24/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	5/23/2012
Anions	Calculation	21.0	meq/L	0.10	
Cations	Calculation	35.7	meq/L	0.10	
Error	Calculation	26	%	1.0	

Customer Sample ID: 63520 R
WETLAB Sample ID: 1205246-011

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.15	pH Units		5/11/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO ₃)	SM 2320B	360	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	30	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	690	mg/L as CaCO ₃	1.0	5/14/2012
Chloride	EPA 300.0	27	mg/L	1.5	5/12/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/12/2012
Sulfate	EPA 300.0	290	mg/L	15	5/12/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/12/2012
Nitrite Nitrogen	EPA 300.0	0.65	mg/L	0.30	5/12/2012
Aluminum, Dissolved	EPA 200.7	0.059	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	<0.010	mg/L	0.010	5/21/2012

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Customer Sample ID: 63520 R
WETLAB Sample ID: 1205246-011

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.12	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.029	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	3.6	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	0.0050	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.18	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	4.9	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	2.7	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.023	mg/L	0.0050	5/21/2012
Molybdenum, Dissolved	EPA 200.7	0.14	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.022	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	13	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	740	mg/L	5.0	5/22/2012
Strontium, Dissolved	EPA 200.7	0.24	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.17	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	7.6	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0061	mg/L	0.00010	5/23/2012
Antimony, Dissolved	EPA 200.8	0.67	mg/L	0.010	5/25/2012
Arsenic, Dissolved	EPA 200.8	7.7	mg/L	0.050	5/23/2012
Lead, Dissolved	EPA 200.8	0.021	mg/L	0.0025	5/23/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/24/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	5/23/2012
Anions	Calculation	20.7	meq/L	0.10	
Cations	Calculation	33.2	meq/L	0.10	
Error	Calculation	23	%	1.0	

Customer Sample ID: 63520 S

Collect Date/Time: 5/11/2012 10:00

WETLAB Sample ID: 1205246-012

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.24	pH Units		5/11/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO ₃)	SM 2320B	190	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	39	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	750	mg/L as CaCO ₃	1.0	5/14/2012
Chloride	EPA 300.0	27	mg/L	1.5	5/12/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/12/2012
Sulfate	EPA 300.0	300	mg/L	15	5/12/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/12/2012
Nitrite Nitrogen	EPA 300.0	0.74	mg/L	0.30	5/12/2012
Aluminum, Dissolved	EPA 200.7	0.25	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	0.054	mg/L	0.010	5/21/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.13	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.034	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	4.4	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	0.0061	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.17	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	5.6	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	3.2	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.041	mg/L	0.0050	5/21/2012
Molybdenum, Dissolved	EPA 200.7	0.15	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.028	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	14	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	810	mg/L	5.0	5/22/2012
Strontium, Dissolved	EPA 200.7	0.25	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.18	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	8.9	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0074	mg/L	0.00010	5/23/2012

Customer Sample ID: 63520 S
WETLAB Sample ID: 1205246-012

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony, Dissolved	EPA 200.8	0.71	mg/L	0.010	5/25/2012
Arsenic, Dissolved	EPA 200.8	8.2	mg/L	0.050	5/23/2012
Lead, Dissolved	EPA 200.8	0.048	mg/L	0.0025	5/23/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/24/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	5/23/2012
Anions	Calculation	15.8	meq/L	0.10	
Cations	Calculation	36.5	meq/L	0.10	
Error	Calculation	39	%	1.0	

Customer Sample ID: 63521 R
WETLAB Sample ID: 1205246-013

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.40	pH Units		5/11/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO3)	SM 2320B	310	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	61	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	700	mg/L as CaCO3	1.0	5/14/2012
Chloride	EPA 300.0	32	mg/L	1.5	5/12/2012
Fluoride	EPA 300.0	3.1	mg/L	1.0	5/12/2012
Sulfate	EPA 300.0	260	mg/L	15	5/12/2012
Nitrate Nitrogen	EPA 300.0	2.2	mg/L	1.0	5/12/2012
Nitrite Nitrogen	EPA 300.0	0.97	mg/L	0.30	5/12/2012
Aluminum, Dissolved	EPA 200.7	0.25	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	0.063	mg/L	0.010	5/21/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.10	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.013	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	4.0	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	0.010	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.14	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	3.9	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	2.8	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.30	mg/L	0.0050	5/21/2012

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Customer Sample ID: 63521 R
WETLAB Sample ID: 1205246-013

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum, Dissolved	EPA 200.7	0.084	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.064	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	8.6	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	510	mg/L	0.50	5/21/2012
Strontium, Dissolved	EPA 200.7	0.16	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.15	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	5.7	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0051	mg/L	0.00010	5/23/2012
Antimony, Dissolved	EPA 200.8	0.39	mg/L	0.010	5/25/2012
Arsenic, Dissolved	EPA 200.8	6.7	mg/L	0.050	5/23/2012
Lead, Dissolved	EPA 200.8	0.051	mg/L	0.0025	5/23/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/25/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	5/23/2012
Anions	Calculation	20.6	meq/L	0.10	
Cations	Calculation	23.1	meq/L	0.10	
Error	Calculation	5.8	%	1.0	

Customer Sample ID: 63521 S
WETLAB Sample ID: 1205246-014

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.37	pH Units		5/11/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO ₃)	SM 2320B	360	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	20	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	660	mg/L as CaCO ₃	1.0	5/14/2012
Chloride	EPA 300.0	270	mg/L	1.5	5/12/2012
Fluoride	EPA 300.0	2.9	mg/L	1.0	5/12/2012
Sulfate	EPA 300.0	280	mg/L	15	5/12/2012
Nitrate Nitrogen	EPA 300.0	3.1	mg/L	1.0	5/12/2012
Nitrite Nitrogen	EPA 300.0	2.2	mg/L	0.30	5/12/2012
Aluminum, Dissolved	EPA 200.7	0.057	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	0.012	mg/L	0.010	5/21/2012

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Customer Sample ID: 63521 S

Collect Date/Time: 5/11/2012 10:00

WETLAB Sample ID: 1205246-014

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.20	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.016	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	4.3	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	0.012	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.11	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	4.4	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	3.1	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.17	mg/L	0.0050	5/21/2012
Molybdenum, Dissolved	EPA 200.7	0.099	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	2.0	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	12	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	760	mg/L	5.0	5/22/2012
Strontium, Dissolved	EPA 200.7	0.24	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.14	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	8.7	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0050	mg/L	0.00010	5/23/2012
Antimony, Dissolved	EPA 200.8	0.40	mg/L	0.010	5/25/2012
Arsenic, Dissolved	EPA 200.8	6.1	mg/L	0.050	5/23/2012
Lead, Dissolved	EPA 200.8	0.013	mg/L	0.0025	5/23/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/25/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	5/23/2012
Anions	Calculation	27.0	meq/L	0.10	
Cations	Calculation	34.2	meq/L	0.10	
Error	Calculation	12	%	1.0	

Customer Sample ID: 63522 R
WETLAB Sample ID: 1205246-015

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.38	pH Units		5/11/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO ₃)	SM 2320B	130	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	54	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	590	mg/L as CaCO ₃	1.0	5/14/2012
Chloride	EPA 300.0	270	mg/L	1.5	5/12/2012
Fluoride	EPA 300.0	2.7	mg/L	1.0	5/12/2012
Sulfate	EPA 300.0	270	mg/L	15	5/12/2012
Nitrate Nitrogen	EPA 300.0	2.0	mg/L	1.0	5/12/2012
Nitrite Nitrogen	EPA 300.0	2.0	mg/L	0.30	5/12/2012
Aluminum, Dissolved	EPA 200.7	<0.045	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	<0.010	mg/L	0.010	5/21/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.17	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.015	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	5.0	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	0.0088	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.13	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	4.1	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	2.9	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.16	mg/L	0.0050	5/21/2012
Molybdenum, Dissolved	EPA 200.7	0.092	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.22	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	11	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	700	mg/L	5.0	5/22/2012
Strontium, Dissolved	EPA 200.7	0.27	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.13	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	7.4	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0051	mg/L	0.00010	5/23/2012

Customer Sample ID: 63522 R
WETLAB Sample ID: 1205246-015

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony, Dissolved	EPA 200.8	0.38	mg/L	0.010	5/25/2012
Arsenic, Dissolved	EPA 200.8	6.0	mg/L	0.050	5/23/2012
Lead, Dissolved	EPA 200.8	0.011	mg/L	0.0025	5/23/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/25/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	5/23/2012
Anions	Calculation	21.0	meq/L	0.10	
Cations	Calculation	31.5	meq/L	0.10	
Error	Calculation	20	%	1.0	

Customer Sample ID: 63522 S
WETLAB Sample ID: 1205246-016

Collect Date/Time: 5/11/2012 10:00

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.44	pH Units		5/11/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	5/14/2012
Carbonate (CO3)	SM 2320B	250	mg/L	1.0	5/14/2012
Hydroxide (OH)	SM 2320B	64	mg/L	1.0	5/14/2012
Total Alkalinity	SM 2320B	600	mg/L as CaCO3	1.0	5/14/2012
Chloride	EPA 300.0	480	mg/L	1.5	5/12/2012
Fluoride	EPA 300.0	2.4	mg/L	1.0	5/12/2012
Sulfate	EPA 300.0	240	mg/L	15	5/12/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/12/2012
Nitrite Nitrogen	EPA 300.0	2.3	mg/L	0.30	5/12/2012
Aluminum, Dissolved	EPA 200.7	<0.045	mg/L	0.045	5/21/2012
Barium, Dissolved	EPA 200.7	0.013	mg/L	0.010	5/21/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	5/21/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Boron, Dissolved	EPA 200.7	0.25	mg/L	0.10	5/21/2012
Cadmium, Dissolved	EPA 200.7	0.015	mg/L	0.0010	5/21/2012
Calcium, Dissolved	EPA 200.7	5.6	mg/L	0.50	5/21/2012
Chromium, Dissolved	EPA 200.7	0.0067	mg/L	0.0050	5/21/2012
Cobalt, Dissolved	EPA 200.7	0.12	mg/L	0.010	5/21/2012
Copper, Dissolved	EPA 200.7	3.8	mg/L	0.050	5/21/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Iron, Dissolved	EPA 200.7	3.0	mg/L	0.010	5/21/2012
Lithium, Dissolved	EPA 200.7	0.14	mg/L	0.10	5/21/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Manganese, Dissolved	EPA 200.7	0.14	mg/L	0.0050	5/21/2012

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Customer Sample ID: 63522 S

Collect Date/Time: 5/11/2012 10:00

WETLAB Sample ID: 1205246-016

Receive Date: 5/11/2012 11:30

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum, Dissolved	EPA 200.7	0.084	mg/L	0.010	5/21/2012
Nickel, Dissolved	EPA 200.7	0.047	mg/L	0.010	5/21/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	5/21/2012
Potassium, Dissolved	EPA 200.7	13	mg/L	0.50	5/21/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	5/21/2012
Sodium, Dissolved	EPA 200.7	780	mg/L	5.0	5/22/2012
Strontium, Dissolved	EPA 200.7	0.33	mg/L	0.10	5/21/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	5/21/2012
Vanadium, Dissolved	EPA 200.7	0.10	mg/L	0.010	5/21/2012
Zinc, Dissolved	EPA 200.7	8.3	mg/L	0.010	5/21/2012
Mercury, Dissolved	EPA 200.8	0.0052	mg/L	0.00010	5/23/2012
Antimony, Dissolved	EPA 200.8	0.33	mg/L	0.0025	5/23/2012
Arsenic, Dissolved	EPA 200.8	4.4	mg/L	0.0050	5/23/2012
Lead, Dissolved	EPA 200.8	0.0060	mg/L	0.0025	5/23/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	5/25/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	5/23/2012
Anions	Calculation	30.8	meq/L	0.10	
Cations	Calculation	35.1	meq/L	0.10	
Error	Calculation	6.5	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12050468	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12050468	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12050468	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12050470	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12050470	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12050470	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12050471	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12050471	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12050471	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12050474	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12050474	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12050474	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12050475	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12050475	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12050475	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12050476	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12050476	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12050476	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12050479	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050479	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050479	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050481	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050481	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050483	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12050483	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12050483	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12050484	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12050484	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12050484	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12050485	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12050485	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12050488	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12050488	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12050488	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12050489	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12050489	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12050489	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12050490	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12050490	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12050490	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12050742	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Cadmium, Dissolved	EPA 200.7	<0.0010	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12050743	Blank 1	Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Copper, Dissolved	EPA 200.7	<0.050	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
		Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12050821	Blank 1	Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units		
QC12050822	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L		
		Antimony	EPA 200.8	<0.0025	mg/L		
		Arsenic	EPA 200.8	<0.0050	mg/L		
		Lead	EPA 200.8	<0.0025	mg/L		
		Selenium	EPA 200.8	<0.0050	mg/L		
		Thallium	EPA 200.8	<0.0010	mg/L		
QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12050455	LCS 1	pH	SM 4500-H+ B	7.02	7.00	100	pH Units
QC12050468	LCS 1	Fluoride	EPA 300.0	1.92	2.00	96	mg/L
QC12050470	LCS 1	Fluoride	EPA 300.0	1.92	2.00	96	mg/L
QC12050471	LCS 1	Fluoride	EPA 300.0	1.92	2.00	96	mg/L
QC12050474	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12050475	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12050476	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12050479	LCS 1	Nitrite Nitrogen	EPA 300.0	0.519	0.500	104	mg/L
QC12050481	LCS 1	Nitrite Nitrogen	EPA 300.0	0.519	0.500	104	mg/L
QC12050483	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	2.00	101	mg/L
QC12050484	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	2.00	101	mg/L
QC12050485	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	2.00	101	mg/L
QC12050488	LCS 1	Sulfate	EPA 300.0	24.3	25.0	97	mg/L
QC12050489	LCS 1	Sulfate	EPA 300.0	24.3	25.0	97	mg/L
QC12050490	LCS 1	Sulfate	EPA 300.0	24.3	25.0	97	mg/L
QC12050498	LCS 1	Alkalinity	SM 2320B	100	100	100	mg/L
QC12050498	LCS 2	Alkalinity	SM 2320B	102	100	102	mg/L
QC12050742	LCS 1	Aluminum	EPA 200.7	0.969	1.00	97	mg/L
		Barium	EPA 200.7	0.980	1.00	98	mg/L
		Beryllium	EPA 200.7	0.987	1.00	99	mg/L
		Bismuth	EPA 200.7	0.998	1.00	100	mg/L
		Boron	EPA 200.7	0.960	1.00	96	mg/L
		Cadmium	EPA 200.7	0.994	1.00	99	mg/L
		Calcium	EPA 200.7	10.0	10.0	100	mg/L
		Chromium	EPA 200.7	0.972	1.00	97	mg/L
		Cobalt	EPA 200.7	0.984	1.00	98	mg/L
		Copper	EPA 200.7	4.79	5.00	96	mg/L
		Gallium	EPA 200.7	0.977	1.00	98	mg/L
		Iron	EPA 200.7	0.983	1.00	98	mg/L
		Lithium	EPA 200.7	0.961	1.00	96	mg/L
		Magnesium	EPA 200.7	9.80	10.0	98	mg/L
		Manganese	EPA 200.7	0.971	1.00	97	mg/L
		Molybdenum	EPA 200.7	0.955	1.00	96	mg/L
		Nickel	EPA 200.7	4.93	5.00	99	mg/L
		Phosphorus	EPA 200.7	4.92	5.00	98	mg/L
		Potassium	EPA 200.7	9.89	10.0	99	mg/L
		Scandium	EPA 200.7	0.965	1.00	96	mg/L
		Silver	EPA 200.7	0.088	0.090	97	mg/L
		Sodium	EPA 200.7	9.93	10.0	99	mg/L
		Strontium	EPA 200.7	0.980	1.00	98	mg/L
		Tin	EPA 200.7	0.947	1.00	95	mg/L
		Titanium	EPA 200.7	0.957	1.00	96	mg/L
		Vanadium	EPA 200.7	0.973	1.00	97	mg/L
		Zinc	EPA 200.7	1.01	1.00	101	mg/L
QC12050743	LCS 1	Aluminum	EPA 200.7	0.969	1.00	97	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC12050821	LCS 1	Barium	EPA 200.7	0.980	1.00	98	mg/L	
		Beryllium	EPA 200.7	0.987	1.00	99	mg/L	
		Bismuth	EPA 200.7	0.998	1.00	100	mg/L	
		Boron	EPA 200.7	0.960	1.00	96	mg/L	
		Cadmium	EPA 200.7	0.994	1.00	99	mg/L	
		Calcium	EPA 200.7	10.0	10.0	100	mg/L	
		Chromium	EPA 200.7	0.972	1.00	97	mg/L	
		Cobalt	EPA 200.7	0.984	1.00	98	mg/L	
		Copper	EPA 200.7	4.79	5.00	96	mg/L	
		Gallium	EPA 200.7	0.977	1.00	98	mg/L	
		Iron	EPA 200.7	0.983	1.00	98	mg/L	
		Lithium	EPA 200.7	0.961	1.00	96	mg/L	
		Magnesium	EPA 200.7	9.80	10.0	98	mg/L	
		Manganese	EPA 200.7	0.971	1.00	97	mg/L	
		Molybdenum	EPA 200.7	0.955	1.00	96	mg/L	
		Nickel	EPA 200.7	4.93	5.00	99	mg/L	
		Phosphorus	EPA 200.7	4.92	5.00	98	mg/L	
		Potassium	EPA 200.7	9.89	10.0	99	mg/L	
		Scandium	EPA 200.7	0.965	1.00	96	mg/L	
		Silver	EPA 200.7	0.088	0.090	97	mg/L	
		Sodium	EPA 200.7	9.93	10.0	99	mg/L	
		Strontium	EPA 200.7	0.980	1.00	98	mg/L	
		Tin	EPA 200.7	0.947	1.00	95	mg/L	
		Titanium	EPA 200.7	0.957	1.00	96	mg/L	
		Vanadium	EPA 200.7	0.973	1.00	97	mg/L	
		Zinc	EPA 200.7	1.01	1.00	101	mg/L	
		Mercury	EPA 200.8	0.000854	0.001	85	mg/L	
		Antimony	EPA 200.8	0.0101	0.010	101	mg/L	
		Arsenic	EPA 200.8	0.0501	0.050	100	mg/L	
QC12050822	LCS 1	Lead	EPA 200.8	0.0102	0.010	102	mg/L	
		Selenium	EPA 200.8	0.0491	0.050	98	mg/L	
		Thallium	EPA 200.8	0.0096	0.010	96	mg/L	
		Mercury	EPA 200.8	0.000854	0.001	85	mg/L	
		Antimony	EPA 200.8	0.0101	0.010	101	mg/L	
		Arsenic	EPA 200.8	0.0501	0.050	100	mg/L	
		Lead	EPA 200.8	0.0102	0.010	102	mg/L	
		Selenium	EPA 200.8	0.0491	0.050	98	mg/L	
		Thallium	EPA 200.8	0.0096	0.010	96	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12050455	Duplicate	pH	SM 4500-H+ B	1205246-001	10.3	10.3	pH Units	<1%
QC12050455	Duplicate	pH	SM 4500-H+ B	1205246-011	10.2	10.2	pH Units	<1%
QC12050498	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205058-004	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1205058-004	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1205058-004	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1205058-004	<1.000	<1.000	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1205246-010	<1.000	<1.000	mg/L	<1%
QC12050498	Duplicate	Carbonate (CO3)	SM 2320B	1205246-010	332	342	mg/L	3 %
		Hydroxide (OH)	SM 2320B	1205246-010	34.0	34.0	mg/L	<1%

QCBatchID	QCType	Parameter	Method		Duplicate Sample	Sample Result	Duplicate Result		Units		RPD	
QC12050498	Duplicate	Total Alkalinity	SM 2320B		1205246-010	652	668		mg/L as CaCO3		2 %	
		Bicarbonate (HCO3)	SM 2320B		1205246-012	<1.000	<1.000		mg/L		<1%	
		Carbonate (CO3)	SM 2320B		1205246-012	190	190		mg/L		<1%	
		Hydroxide (OH)	SM 2320B		1205246-012	39.4	39.4		mg/L		<1%	
		Total Alkalinity	SM 2320B		1205246-012	748	748		mg/L as CaCO3		<1%	
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12050468	MS 1	Fluoride	EPA 300.0	1205219-001	4.19	23.4	23.2	2.00	mg/L	96	95	1 %
QC12050468	MS 2	Fluoride	EPA 300.0	1205222-001	<0.100	1.93	1.93	2.00	mg/L	95	95	<1%
QC12050470	MS 1	Fluoride	EPA 300.0	1205155-006	<0.100	3.62	3.66	4.00	mg/L	88	89	1 %
QC12050470	MS 2	Fluoride	EPA 300.0	1205155-012	<0.100	2.03	2.08	2.00	mg/L	98	100	2 %
QC12050471	MS 1	Fluoride	EPA 300.0	1205155-024	2.74	21.9	21.9	2.00	mg/L	96	96	<1%
QC12050471	MS 2	Fluoride	EPA 300.0	1205155-025	<1.000	M 30.5	33.2	2.00	mg/L	NC	NC	NC
QC12050474	MS 1	Chloride	EPA 300.0	1205219-001	63.0	115	115	5.00	mg/L	105	104	<1%
QC12050474	MS 2	Chloride	EPA 300.0	1205222-001	<1.000	4.93	4.97	5.00	mg/L	98	99	1 %
QC12050475	MS 1	Chloride	EPA 300.0	1205155-006	<1.000	10.5	10.6	10.0	mg/L	102	103	1 %
QC12050475	MS 2	Chloride	EPA 300.0	1205155-012	<1.000	5.42	5.58	5.00	mg/L	102	106	3 %
QC12050476	MS 1	Chloride	EPA 300.0	1205155-024	387	437	430	5.00	mg/L	99	85	2 %
QC12050476	MS 2	Chloride	EPA 300.0	1205155-025	143	191	190	5.00	mg/L	96	94	1 %
QC12050479	MS 1	Nitrite Nitrogen	EPA 300.0	1205219-001	<0.300	5.42	5.43	0.500	mg/L	105	105	<1%
QC12050479	MS 2	Nitrite Nitrogen	EPA 300.0	1205222-001	<0.030	0.442	0.487	0.500	mg/L	87	96	10 %
QC12050481	MS 1	Nitrite Nitrogen	EPA 300.0	1205248-001	<0.030	0.514	0.495	0.500	mg/L	101	97	4 %
QC12050483	MS 1	Nitrate Nitrogen	EPA 300.0	1205219-001	3.41	24.6	24.6	2.00	mg/L	106	106	<1%
QC12050483	MS 2	Nitrate Nitrogen	EPA 300.0	1205222-001	<1.000	1.99	2.00	2.00	mg/L	98	98	1 %
QC12050484	MS 1	Nitrate Nitrogen	EPA 300.0	1205155-006	<1.000	4.11	4.16	4.00	mg/L	102	103	1 %
QC12050484	MS 2	Nitrate Nitrogen	EPA 300.0	1205155-012	<1.000	2.06	2.12	2.00	mg/L	101	104	3 %
QC12050485	MS 1	Nitrate Nitrogen	EPA 300.0	1205248-001	<1.000	2.33	2.29	2.00	mg/L	107	105	2 %
QC12050488	MS 1	Sulfate	EPA 300.0	1205219-001	109	212	209	10.0	mg/L	103	100	1 %
QC12050488	MS 2	Sulfate	EPA 300.0	1205222-001	8.67	18.1	18.1	10.0	mg/L	94	94	<1%
QC12050489	MS 1	Sulfate	EPA 300.0	1205155-006	<1.500	20.5	20.8	20.0	mg/L	98	100	1 %
QC12050489	MS 2	Sulfate	EPA 300.0	1205155-012	<1.50	11.2	11.5	10.0	mg/L	100	103	3 %
QC12050490	MS 1	Sulfate	EPA 300.0	1205155-024	84.5	185	184	10.0	mg/L	101	100	1 %
QC12050490	MS 2	Sulfate	EPA 300.0	1205155-025	133	M 267	281	10.0	mg/L	NC	NC	NC
QC12050742	MS 1	Aluminum, Dissolved	EPA 200.7	1205318-001	<0.045	0.911	0.900	1.00	mg/L	89	88	1 %
		Barium, Dissolved	EPA 200.7	1205318-001	0.024	0.736	0.718	1.00	mg/L	71	69	2 %
		Beryllium, Dissolved	EPA 200.7	1205318-001	<0.001	0.972	0.961	1.00	mg/L	97	96	1 %
		Bismuth, Dissolved	EPA 200.7	1205318-001	<0.100	0.958	0.926	1.00	mg/L	100	97	3 %
		Boron, Dissolved	EPA 200.7	1205318-001	0.364	1.37	1.35	1.00	mg/L	101	99	1 %
		Cadmium, Dissolved	EPA 200.7	1205318-001	<0.001	0.941	0.916	1.00	mg/L	95	92	3 %
		Calcium, Dissolved	EPA 200.7	1205318-001	489	SC 505	497	10.0	mg/L	NC	NC	NC
		Chromium, Dissolved	EPA 200.7	1205318-001	<0.005	0.951	0.931	1.00	mg/L	95	93	2 %
		Cobalt, Dissolved	EPA 200.7	1205318-001	0.231	1.18	1.15	1.00	mg/L	95	92	3 %
		Copper, Dissolved	EPA 200.7	1205318-001	<0.050	5.03	4.95	5.00	mg/L	101	99	2 %
		Gallium, Dissolved	EPA 200.7	1205318-001	<0.100	0.924	0.902	1.00	mg/L	91	89	2 %
		Iron, Dissolved	EPA 200.7	1205318-001	0.029	0.985	0.947	1.00	mg/L	96	92	4 %
		Lithium, Dissolved	EPA 200.7	1205318-001	0.130	1.20	1.15	1.00	mg/L	107	102	4 %
		Magnesium, Dissolved	EPA 200.7	1205318-001	187	SC 202	195	10.0	mg/L	NC	NC	NC
		Manganese, Dissolved	EPA 200.7	1205318-001	<0.005	0.897	0.878	1.00	mg/L	94	92	2 %
		Molybdenum, Dissolved	EPA 200.7	1205318-001	<0.010	0.945	0.956	1.00	mg/L	94	95	1 %
		Nickel, Dissolved	EPA 200.7	1205318-001	0.011	4.67	4.55	5.00	mg/L	93	91	3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12050743	MS 1	Phosphorus, Dissolved	EPA 200.7	1205318-001	<0.500	5.58	5.29	5.00	mg/L	109	103	5 %
		Potassium, Dissolved	EPA 200.7	1205318-001	17.4	29.2	27.9	10.0	mg/L	118	105	5 %
		Scandium, Dissolved	EPA 200.7	1205318-001	<0.100	0.964	0.955	1.00	mg/L	96	96	1 %
		Silver, Dissolved	EPA 200.7	1205318-001	<0.005	0.090	0.088	0.090	mg/L	102	100	2 %
		Sodium, Dissolved	EPA 200.7	1205318-001	897	SC 917	857	10.0	mg/L	NC	NC	NC
		Strontium, Dissolved	EPA 200.7	1205318-001	2.49	3.43	3.34	1.00	mg/L	94	85	3 %
		Tin, Dissolved	EPA 200.7	1205318-001	<0.100	0.841	0.843	1.00	mg/L	93	93	<1%
		Titanium, Dissolved	EPA 200.7	1205318-001	<0.100	0.910	0.927	1.00	mg/L	91	93	2 %
		Vanadium, Dissolved	EPA 200.7	1205318-001	0.087	1.06	1.05	1.00	mg/L	97	96	1 %
		Zinc, Dissolved	EPA 200.7	1205318-001	<0.010	0.987	0.946	1.00	mg/L	98	94	4 %
		Aluminum	EPA 200.7	1205331-001	<0.045	0.982	0.977	1.00	mg/L	96	95	1 %
		Barium	EPA 200.7	1205331-001	0.010	0.984	0.992	1.00	mg/L	97	98	1 %
		Beryllium	EPA 200.7	1205331-001	<0.001	0.998	1.01	1.00	mg/L	100	101	1 %
		Bismuth	EPA 200.7	1205331-001	<0.100	0.994	1.01	1.00	mg/L	99	101	2 %
		Boron	EPA 200.7	1205331-001	<0.100	0.968	0.976	1.00	mg/L	96	97	1 %
		Cadmium	EPA 200.7	1205331-001	<0.001	0.974	0.991	1.00	mg/L	97	99	2 %
		Calcium	EPA 200.7	1205331-001	6.40	16.4	16.4	10.0	mg/L	100	100	<1%
		Chromium	EPA 200.7	1205331-001	<0.005	0.968	0.973	1.00	mg/L	97	97	1 %
		Cobalt	EPA 200.7	1205331-001	<0.010	0.986	0.995	1.00	mg/L	99	99	1 %
		Copper	EPA 200.7	1205331-001	<0.050	5.00	4.97	5.00	mg/L	100	99	1 %
		Gallium	EPA 200.7	1205331-001	<0.100	0.982	0.980	1.00	mg/L	98	98	<1%
		Iron	EPA 200.7	1205331-001	0.360	1.36	1.36	1.00	mg/L	100	100	<1%
		Lithium	EPA 200.7	1205331-001	<0.100	0.992	0.976	1.00	mg/L	99	98	2 %
		Magnesium	EPA 200.7	1205331-001	2.50	12.3	12.4	10.0	mg/L	98	99	1 %
		Manganese	EPA 200.7	1205331-001	0.007	0.972	0.976	1.00	mg/L	96	97	<1%
		Molybdenum	EPA 200.7	1205331-001	<0.010	0.966	0.979	1.00	mg/L	97	98	1 %
		Nickel	EPA 200.7	1205331-001	<0.010	4.89	4.95	5.00	mg/L	98	99	1 %
		Phosphorus	EPA 200.7	1205331-001	<0.500	4.95	5.09	5.00	mg/L	97	100	3 %
		Potassium	EPA 200.7	1205331-001	2.72	12.8	12.6	10.0	mg/L	101	99	2 %
		Scandium	EPA 200.7	1205331-001	<0.100	0.969	0.969	1.00	mg/L	97	97	<1%
		Silver	EPA 200.7	1205331-001	<0.005	0.089	0.090	0.090	mg/L	99	100	1 %
		Sodium	EPA 200.7	1205331-001	13.5	23.7	24.0	10.0	mg/L	102	105	1 %
		Strontium	EPA 200.7	1205331-001	<0.100	1.06	1.06	1.00	mg/L	100	100	<1%
		Tin	EPA 200.7	1205331-001	<0.100	0.942	0.962	1.00	mg/L	95	97	2 %
		Titanium	EPA 200.7	1205331-001	<0.100	0.981	0.959	1.00	mg/L	98	96	2 %
		Vanadium	EPA 200.7	1205331-001	<0.010	0.981	0.987	1.00	mg/L	98	99	1 %
		Zinc	EPA 200.7	1205331-001	0.017	1.00	1.02	1.00	mg/L	98	100	2 %
QC12050821	MS 1	Mercury, Dissolved	EPA 200.8	1205318-001	0.000300	0.001080	0.000996	0.001	mg/L	78	70	8 %
		Antimony, Dissolved	EPA 200.8	1205318-001	<0.0025	0.0115	0.0112	0.010	mg/L	90	88	3 %
		Arsenic, Dissolved	EPA 200.8	1205318-001	0.1034	0.1593	0.1585	0.050	mg/L	112	110	1 %
		Lead, Dissolved	EPA 200.8	1205318-001	<0.0025	M 0.0069	0.0069	0.010	mg/L	NC	NC	NC
		Selenium, Dissolved	EPA 200.8	1205318-001	0.0283	0.0816	0.0802	0.050	mg/L	107	104	2 %
QC12050822	MS 1	Thallium, Dissolved	EPA 200.8	1205318-001	<0.0010	M 0.0075	0.0075	0.010	mg/L	NC	NC	NC
		Mercury	EPA 200.8	1205331-001	<0.00010	Q 0.000968	0.001210	0.001	mg/L	96	120	22 %
		Antimony	EPA 200.8	1205331-001	<0.0025	0.0092	0.0090	0.010	mg/L	90	88	2 %
		Arsenic	EPA 200.8	1205331-001	<0.0050	0.0490	0.0492	0.050	mg/L	98	98	<1%
		Lead	EPA 200.8	1205331-001	<0.0025	0.0112	0.0112	0.010	mg/L	100	100	<1%
		Selenium	EPA 200.8	1205331-001	<0.0050	0.0439	0.0432	0.050	mg/L	85	84	2 %
		Thallium	EPA 200.8	1205331-001	<0.0010	0.0097	0.0098	0.010	mg/L	97	98	1 %

6/4/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1205371

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 5/18/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1205371

General Comments

Due to lack of sample volume some analyses were not performed.

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1205371-001 through 016 Nitrate Nitrogen

1205371-009 Aluminum

1205371-013 Aluminum

1205371-016 Aluminum

The reporting limits have been adjusted accordingly.

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Sulfate on sample 1205371-011 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

The cation/anion balance for numerous samples was outside WETLAB acceptance criteria; However, there are two unidentified analytes (anions) present in the ion chromatography analysis that may contribute to improve the balance but since it is an unknown analyte we were not able to investigate further. The unidentified analytes are seen in all submitted samples however the cation/anion balances for some samples were considered acceptable.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 6/4/2012

OrderID: 1205371

Customer Sample ID: 63515 T

Collect Date/Time: 5/18/2012 09:00

WETLAB Sample ID: 1205371-001

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.30	pH Units		5/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/18/2012
Carbonate (CO ₃)	SM 2320B	340	mg/L	1.0	5/18/2012
Hydroxide (OH)	SM 2320B	24	mg/L	1.0	5/18/2012
Total Alkalinity	SM 2320B	640	mg/L as CaCO ₃	1.0	5/18/2012
Redox Potential	SM 2580B	69	mV	1	5/24/2012
Chloride	EPA 300.0	25	mg/L	10	5/18/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	5/18/2012
Sulfate	EPA 300.0	250	mg/L	15	5/18/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/18/2012
Nitrite Nitrogen	EPA 300.0	0.79	mg/L	0.30	5/18/2012
Electrical Conductivity	SM 2510B	3000	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	0.092	mg/L	0.045	5/24/2012
Barium	EPA 200.7	0.010	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.15	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.039	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	4.2	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.21	mg/L	0.010	5/24/2012
Copper	EPA 200.7	5.5	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	6.3	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.023	mg/L	0.0050	5/24/2012

Customer Sample ID: 63515 T
WETLAB Sample ID: 1205371-001

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum	EPA 200.7	0.11	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.040	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	11	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	580	mg/L	0.50	5/24/2012
Strontium	EPA 200.7	0.24	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.18	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	8.1	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0052	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.85	mg/L	0.050	5/29/2012
Arsenic	EPA 200.8	11	mg/L	0.25	5/29/2012
Lead	EPA 200.8	0.015	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	0.031	mg/L	0.0050	5/25/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	18.9	meq/L	0.10	
Cations	Calculation	26.5	meq/L	0.10	
Error	Calculation	17	%	1.0	

Customer Sample ID: 63515 U
WETLAB Sample ID: 1205371-002

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.32	pH Units		5/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/18/2012
Carbonate (CO ₃)	SM 2320B	330	mg/L	1.0	5/18/2012
Hydroxide (OH)	SM 2320B	14	Q mg/L	1.0	5/18/2012
Total Alkalinity	SM 2320B	590	mg/L as CaCO ₃	1.0	5/18/2012
Redox Potential	SM 2580B	62	mV	1	5/24/2012
Chloride	EPA 300.0	25	mg/L	10	5/18/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	5/18/2012
Sulfate	EPA 300.0	250	mg/L	15	5/18/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/18/2012
Nitrite Nitrogen	EPA 300.0	0.80	mg/L	0.30	5/18/2012
Electrical Conductivity	SM 2510B	2800	µmhos/cm	1	5/24/2012

Page 4 of 31

Customer Sample ID: 63515 U
WETLAB Sample ID: 1205371-002

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Aluminum	EPA 200.7	0.12	mg/L	0.045	5/24/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.16	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.036	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	3.5	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.21	mg/L	0.010	5/24/2012
Copper	EPA 200.7	5.3	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	6.4	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.013	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.11	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.038	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	11	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	580	mg/L	0.50	5/24/2012
Strontium	EPA 200.7	0.22	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.21	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	7.6	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0048	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.93	mg/L	0.050	5/29/2012
Arsenic	EPA 200.8	12	mg/L	0.25	5/29/2012
Lead	EPA 200.8	0.015	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	0.037	mg/L	0.0050	5/25/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	17.9	meq/L	0.10	
Cations	Calculation	26.4	meq/L	0.10	
Error	Calculation	19	%	1.0	

Customer Sample ID: 63516 T
WETLAB Sample ID: 1205371-003

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.41	pH Units		5/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/22/2012
Carbonate (CO ₃)	SM 2320B	330	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	34	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	650	mg/L as CaCO ₃	1.0	5/22/2012
Redox Potential	SM 2580B	57	mV	1	5/24/2012
Chloride	EPA 300.0	24	mg/L	10	5/19/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	5/19/2012
Sulfate	EPA 300.0	330	mg/L	15	5/19/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/19/2012
Nitrite Nitrogen	EPA 300.0	0.77	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	3500	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	0.085	mg/L	0.045	5/24/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.15	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.042	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	4.1	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.30	mg/L	0.010	5/24/2012
Copper	EPA 200.7	7.2	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	6.8	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.022	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.051	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	12	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	740	mg/L	2.5	5/25/2012
Strontium	EPA 200.7	0.30	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.18	mg/L	0.010	5/24/2012

Customer Sample ID: 63516 T
WETLAB Sample ID: 1205371-003

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Zinc	EPA 200.7	9.6	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0088	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.78	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	9.6	mg/L	0.050	5/29/2012
Lead	EPA 200.8	0.012	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	0.056	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	20.8	meq/L	0.10	
Cations	Calculation	33.6	meq/L	0.10	
Error	Calculation	24	%	1.0	

Customer Sample ID: 63516 U
WETLAB Sample ID: 1205371-004

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.37	pH Units		5/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/22/2012
Carbonate (CO ₃)	SM 2320B	340	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	27	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	640	mg/L as CaCO ₃	1.0	5/22/2012
Redox Potential	SM 2580B	51	mV	1	5/24/2012
Chloride	EPA 300.0	25	mg/L	10	5/19/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	5/19/2012
Sulfate	EPA 300.0	340	mg/L	15	5/19/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/19/2012
Nitrite Nitrogen	EPA 300.0	0.85	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	3500	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	0.13	mg/L	0.045	5/24/2012
Barium	EPA 200.7	0.021	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.16	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.048	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	4.9	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.30	mg/L	0.010	5/24/2012
Copper	EPA 200.7	7.8	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012

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Customer Sample ID: 63516 U
WETLAB Sample ID: 1205371-004

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Iron	EPA 200.7	7.3	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.020	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.064	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	12	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	770	mg/L	2.5	5/25/2012
Strontium	EPA 200.7	0.30	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.18	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	10	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0085	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.79	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	9.7	mg/L	0.050	5/29/2012
Lead	EPA 200.8	0.031	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	0.057	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	20.9	meq/L	0.10	
Cations	Calculation	35.0	meq/L	0.10	
Error	Calculation	25	%	1.0	

Customer Sample ID: 63517 T
WETLAB Sample ID: 1205371-005

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.28	pH Units		5/18/2012
Bicarbonate (HCO ₃)	SM 2320B	9.8	mg/L	1.0	5/22/2012
Carbonate (CO ₃)	SM 2320B	420	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	700	mg/L as CaCO ₃	1.0	5/22/2012
Redox Potential	SM 2580B	56	mV	1	5/24/2012
Chloride	EPA 300.0	27	mg/L	10	5/19/2012
Fluoride	EPA 300.0	4.0	mg/L	1.0	5/19/2012

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Customer Sample ID: 63517 T

Collect Date/Time: 5/18/2012 09:00

WETLAB Sample ID: 1205371-005

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sulfate	EPA 300.0	320	mg/L	15	5/19/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/19/2012
Nitrite Nitrogen	EPA 300.0	0.75	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	3600	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	0.32	mg/L	0.045	5/24/2012
Barium	EPA 200.7	0.048	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.14	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.040	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	13	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	0.0057	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.30	mg/L	0.010	5/24/2012
Copper	EPA 200.7	7.7	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	8.4	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.035	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.040	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	11	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	880	mg/L	2.5	5/25/2012
Strontium	EPA 200.7	0.36	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.19	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	9.5	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0057	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.86	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	11	mg/L	0.50	5/30/2012
Lead	EPA 200.8	0.054	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	0.063	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	21.8	meq/L	0.10	

Customer Sample ID: 63517 T

Collect Date/Time: 5/18/2012 09:00

WETLAB Sample ID: 1205371-005

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cations	Calculation	40.2	meq/L	0.10	
Error	Calculation	30	%	1.0	

Customer Sample ID: 63517 U

Collect Date/Time: 5/18/2012 09:00

WETLAB Sample ID: 1205371-006

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.23	pH Units		5/18/2012
Bicarbonate (HCO ₃)	SM 2320B	49	mg/L	1.0	5/22/2012
Carbonate (CO ₃)	SM 2320B	390	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	680	mg/L as CaCO ₃	1.0	5/22/2012
Redox Potential	SM 2580B	66	mV	1	5/24/2012
Chloride	EPA 300.0	27	mg/L	10	5/19/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	5/19/2012
Sulfate	EPA 300.0	320	mg/L	15	5/19/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/19/2012
Nitrite Nitrogen	EPA 300.0	0.77	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	3800	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	0.11	mg/L	0.045	5/24/2012
Barium	EPA 200.7	0.016	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.13	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.046	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	4.6	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.29	mg/L	0.010	5/24/2012
Copper	EPA 200.7	8.1	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	8.2	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.030	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.048	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	11	mg/L	0.50	5/24/2012

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Customer Sample ID: 63517 U
WETLAB Sample ID: 1205371-006

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	860	mg/L	2.5	5/25/2012
Strontium	EPA 200.7	0.26	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.17	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	10	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0057	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.82	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	9.8	mg/L	0.050	5/29/2012
Lead	EPA 200.8	0.020	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	0.056	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	21.4	meq/L	0.10	
Cations	Calculation	38.9	meq/L	0.10	
Error	Calculation	29	%	1.0	

Customer Sample ID: 63518 T
WETLAB Sample ID: 1205371-007

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.38	pH Units		5/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/22/2012
Carbonate (CO ₃)	SM 2320B	340	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	42	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	690	mg/L as CaCO ₃	1.0	5/22/2012
Redox Potential	SM 2580B	59	mV	1	5/24/2012
Chloride	EPA 300.0	25	mg/L	10	5/19/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	5/19/2012
Sulfate	EPA 300.0	340	mg/L	15	5/19/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/19/2012
Nitrite Nitrogen	EPA 300.0	0.68	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	3600	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	0.068	mg/L	0.045	5/24/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012

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Customer Sample ID: 63518 T
WETLAB Sample ID: 1205371-007

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Boron	EPA 200.7	0.14	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.038	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	5.1	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	5/24/2012
Copper	EPA 200.7	8.2	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	6.7	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.099	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.036	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	12	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	880	mg/L	2.5	5/25/2012
Strontium	EPA 200.7	0.36	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	9.2	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0061	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.90	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	11	mg/L	0.50	5/30/2012
Lead	EPA 200.8	0.0064	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	0.059	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	21.8	meq/L	0.10	
Cations	Calculation	39.8	meq/L	0.10	
Error	Calculation	29	%	1.0	

Customer Sample ID: 63518 U
WETLAB Sample ID: 1205371-008

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.24	pH Units		5/18/2012

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Customer Sample ID: 63518 U
WETLAB Sample ID: 1205371-008

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/22/2012
Carbonate (CO ₃)	SM 2320B	360	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	14	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	640	mg/L as CaCO ₃	1.0	5/22/2012
Redox Potential	SM 2580B	57	mV	1	5/24/2012
Chloride	EPA 300.0	25	mg/L	10	5/19/2012
Fluoride	EPA 300.0	4.0	mg/L	1.0	5/19/2012
Sulfate	EPA 300.0	340	mg/L	15	5/19/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/19/2012
Nitrite Nitrogen	EPA 300.0	0.68	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	3600	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	0.16	mg/L	0.045	5/24/2012
Barium	EPA 200.7	0.029	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.14	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.047	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	5.4	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.29	mg/L	0.010	5/24/2012
Copper	EPA 200.7	9.1	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	6.9	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.042	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.054	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	12	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	840	mg/L	2.5	5/25/2012
Strontium	EPA 200.7	0.34	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	11	mg/L	0.010	5/24/2012

Customer Sample ID: 63518 U
WETLAB Sample ID: 1205371-008

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Mercury	EPA 200.8	0.0063	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.86	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	9.8	mg/L	0.050	5/29/2012
Lead	EPA 200.8	0.032	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	0.061	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	20.8	meq/L	0.10	
Cations	Calculation	38.1	meq/L	0.10	
Error	Calculation	29	%	1.0	

Customer Sample ID: 63519 T
WETLAB Sample ID: 1205371-009

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.34	pH Units		5/18/2012
Bicarbonate (HCO ₃)	SM 2320B	83	mg/L	1.0	5/22/2012
Carbonate (CO ₃)	SM 2320B	370	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	680	mg/L as CaCO ₃	1.0	5/22/2012
Redox Potential	SM 2580B	55	mV	1	5/24/2012
Chloride	EPA 300.0	40	mg/L	10	5/19/2012
Fluoride	EPA 300.0	4.2	mg/L	1.0	5/19/2012
Sulfate	EPA 300.0	310	mg/L	15	5/19/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/19/2012
Nitrite Nitrogen	EPA 300.0	0.75	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	3400	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	<0.20	mg/L	0.20	5/25/2012
Barium	EPA 200.7	0.014	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.15	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.039	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	4.5	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	5/24/2012
Copper	EPA 200.7	7.0	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	4.6	mg/L	0.010	5/24/2012

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Customer Sample ID: 63519 T
WETLAB Sample ID: 1205371-009

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.025	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.041	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	13	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	880	mg/L	2.5	5/25/2012
Strontium	EPA 200.7	0.28	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.19	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	9.0	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0061	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.94	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	13	mg/L	0.50	5/30/2012
Lead	EPA 200.8	0.013	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	0.063	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	21.5	meq/L	0.10	
Cations	Calculation	39.6	meq/L	0.10	
Error	Calculation	30	%	1.0	

Customer Sample ID: 63519 U
WETLAB Sample ID: 1205371-010

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.30	pH Units		5/18/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	5/22/2012
Carbonate (CO3)	SM 2320B	370	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	23	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	680	mg/L as CaCO3	1.0	5/22/2012
Redox Potential	SM 2580B	54	mV	1	5/24/2012
Chloride	EPA 300.0	42	mg/L	10	5/19/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	5/19/2012
Sulfate	EPA 300.0	310	mg/L	15	5/19/2012

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Customer Sample ID: 63519 U

Collect Date/Time: 5/18/2012 09:00

WETLAB Sample ID: 1205371-010

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/19/2012
Nitrite Nitrogen	EPA 300.0	0.69	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	3700	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	0.060	mg/L	0.045	5/24/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.14	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.038	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	4.0	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.24	mg/L	0.010	5/24/2012
Copper	EPA 200.7	7.1	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	4.5	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.024	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.040	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	12	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	840	mg/L	2.5	5/25/2012
Strontium	EPA 200.7	0.27	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	8.5	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0055	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.83	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	9.9	mg/L	0.050	5/29/2012
Lead	EPA 200.8	0.015	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	21.5	meq/L	0.10	
Cations	Calculation	37.8	meq/L	0.10	

Customer Sample ID: 63519 U

Collect Date/Time: 5/18/2012 09:00

WETLAB Sample ID: 1205371-010

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Error	Calculation	27	%	1.0	

Customer Sample ID: 63520 T

Collect Date/Time: 5/18/2012 09:00

WETLAB Sample ID: 1205371-011

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.34	pH Units		5/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/22/2012
Carbonate (CO ₃)	SM 2320B	400	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	26	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	750	mg/L as CaCO ₃	1.0	5/22/2012
Redox Potential	SM 2580B	65	mV	1	5/24/2012
Chloride	EPA 300.0	32	mg/L	10	5/19/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	5/19/2012
Sulfate	EPA 300.0	340	M mg/L	15	5/19/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/19/2012
Nitrite Nitrogen	EPA 300.0	0.73	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	3800	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	0.15	mg/L	0.045	5/24/2012
Barium	EPA 200.7	0.014	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.13	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.034	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	3.7	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.25	mg/L	0.010	5/24/2012
Copper	EPA 200.7	7.5	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	3.8	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.016	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.035	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	14	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012

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Customer Sample ID: 63520 T
WETLAB Sample ID: 1205371-011

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	860	mg/L	2.5	5/25/2012
Strontium	EPA 200.7	0.25	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.19	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	8.3	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0057	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.86	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	9.9	mg/L	0.050	5/29/2012
Lead	EPA 200.8	0.016	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	0.054	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	23.1	meq/L	0.10	
Cations	Calculation	38.7	meq/L	0.10	
Error	Calculation	25	%	1.0	

Customer Sample ID: 63520 U
WETLAB Sample ID: 1205371-012

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.28	pH Units		5/18/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	5/22/2012
Carbonate (CO3)	SM 2320B	400	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	22	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	720	mg/L as CaCO3	1.0	5/22/2012
Redox Potential	SM 2580B	58	mV	1	5/24/2012
Chloride	EPA 300.0	29	mg/L	10	5/19/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	5/19/2012
Sulfate	EPA 300.0	310	mg/L	15	5/19/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/19/2012
Nitrite Nitrogen	EPA 300.0	0.61	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	4000	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	0.11	mg/L	0.045	5/24/2012
Barium	EPA 200.7	0.011	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.14	mg/L	0.10	5/24/2012

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Customer Sample ID: 63520 U
WETLAB Sample ID: 1205371-012

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cadmium	EPA 200.7	0.042	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	3.9	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	5/24/2012
Copper	EPA 200.7	8.0	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	3.7	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.014	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.047	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	13	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	810	mg/L	2.5	5/25/2012
Strontium	EPA 200.7	0.24	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.18	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	9.6	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0078	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.82	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	9.3	mg/L	0.050	5/29/2012
Lead	EPA 200.8	0.020	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	0.051	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	22.1	meq/L	0.10	
Cations	Calculation	36.5	meq/L	0.10	
Error	Calculation	25	%	1.0	

Customer Sample ID: 63521 T
WETLAB Sample ID: 1205371-013

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.47	pH Units		5/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/22/2012

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Customer Sample ID: 63521 T
WETLAB Sample ID: 1205371-013

Collect Date/Time: 5/18/2012 09:00
Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Carbonate (CO3)	SM 2320B	340	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	33	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	660	mg/L as CaCO3	1.0	5/22/2012
Redox Potential	SM 2580B	78	mV	1	5/24/2012
Chloride	EPA 300.0	40	mg/L	10	5/19/2012
Fluoride	EPA 300.0	3.3	mg/L	1.0	5/19/2012
Sulfate	EPA 300.0	300	mg/L	15	5/19/2012
Nitrate Nitrogen	EPA 300.0	3.9	mg/L	1.0	5/19/2012
Nitrite Nitrogen	EPA 300.0	1.4	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	3000	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	<0.20	mg/L	0.20	5/25/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.10	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.017	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	14	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	0.010	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	5/24/2012
Copper	EPA 200.7	4.7	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	3.2	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.22	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.10	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.27	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	9.0	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	580	mg/L	0.50	5/24/2012
Strontium	EPA 200.7	0.39	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	7.3	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0046	mg/L	0.00010	5/25/2012

Customer Sample ID: 63521 T
WETLAB Sample ID: 1205371-013

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony	EPA 200.8	0.53	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	9.0	mg/L	0.050	5/29/2012
Lead	EPA 200.8	0.010	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	21.1	meq/L	0.10	
Cations	Calculation	26.7	meq/L	0.10	
Error	Calculation	12	%	1.0	

Customer Sample ID: 63521 U
WETLAB Sample ID: 1205371-014

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.41	pH Units		5/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/22/2012
Carbonate (CO ₃)	SM 2320B	350	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	14	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO ₃	1.0	5/22/2012
Redox Potential	SM 2580B	84	mV	1	5/24/2012
Chloride	EPA 300.0	38	mg/L	10	5/19/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/19/2012
Sulfate	EPA 300.0	290	mg/L	15	5/19/2012
Nitrate Nitrogen	EPA 300.0	3.6	mg/L	1.0	5/19/2012
Nitrite Nitrogen	EPA 300.0	1.3	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	2900	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	0.14	mg/L	0.045	5/24/2012
Barium	EPA 200.7	0.028	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.11	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.018	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	4.5	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	0.0094	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.14	mg/L	0.010	5/24/2012
Copper	EPA 200.7	4.8	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	3.4	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012

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Customer Sample ID: 63521 U
WETLAB Sample ID: 1205371-014

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.21	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.097	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.28	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	8.7	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	560	mg/L	0.50	5/24/2012
Strontium	EPA 200.7	0.18	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	7.4	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0043	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.55	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	9.8	mg/L	0.050	5/29/2012
Lead	EPA 200.8	0.029	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	20.0	meq/L	0.10	
Cations	Calculation	25.4	meq/L	0.10	
Error	Calculation	12	%	1.0	

Customer Sample ID: 63522 T
WETLAB Sample ID: 1205371-015

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.42	pH Units		5/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/22/2012
Carbonate (CO ₃)	SM 2320B	310	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	27	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	590	mg/L as CaCO ₃	1.0	5/22/2012
Redox Potential	SM 2580B	76	mV	1	5/24/2012
Chloride	EPA 300.0	450	mg/L	10	5/19/2012
Fluoride	EPA 300.0	2.5	mg/L	1.0	5/19/2012
Sulfate	EPA 300.0	240	mg/L	15	5/19/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/19/2012

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Customer Sample ID: 63522 T

Collect Date/Time: 5/18/2012 09:00

WETLAB Sample ID: 1205371-015

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrite Nitrogen	EPA 300.0	2.2	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	3900	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	0.18	mg/L	0.045	5/24/2012
Barium	EPA 200.7	0.035	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.25	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.016	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	38	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	0.0072	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.12	mg/L	0.010	5/24/2012
Copper	EPA 200.7	3.6	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	3.4	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	0.13	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	0.84	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.22	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.079	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.048	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	12	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	830	mg/L	2.5	5/25/2012
Strontium	EPA 200.7	0.83	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	5/24/2012
Zinc	EPA 200.7	8.4	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0047	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.39	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	5.9	mg/L	0.050	5/29/2012
Lead	EPA 200.8	0.032	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	29.7	meq/L	0.10	
Cations	Calculation	39.0	meq/L	0.10	
Error	Calculation	13	%	1.0	

Customer Sample ID: 63522 U
WETLAB Sample ID: 1205371-016

Collect Date/Time: 5/18/2012 09:00

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.53	pH Units		5/18/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/22/2012
Carbonate (CO ₃)	SM 2320B	320	mg/L	1.0	5/22/2012
Hydroxide (OH)	SM 2320B	33	mg/L	1.0	5/22/2012
Total Alkalinity	SM 2320B	630	mg/L as CaCO ₃	1.0	5/22/2012
Redox Potential	SM 2580B	87	mV	1	5/24/2012
Chloride	EPA 300.0	450	mg/L	10	5/19/2012
Fluoride	EPA 300.0	2.4	mg/L	1.0	5/19/2012
Sulfate	EPA 300.0	230	mg/L	15	5/19/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	5/19/2012
Nitrite Nitrogen	EPA 300.0	2.3	mg/L	0.30	5/19/2012
Electrical Conductivity	SM 2510B	4100	µmhos/cm	1	5/24/2012
Aluminum	EPA 200.7	<0.20	mg/L	0.20	5/25/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	5/24/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	5/24/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Boron	EPA 200.7	0.25	mg/L	0.10	5/24/2012
Cadmium	EPA 200.7	0.016	mg/L	0.0010	5/24/2012
Calcium	EPA 200.7	4.8	mg/L	0.50	5/24/2012
Chromium	EPA 200.7	0.0057	mg/L	0.0050	5/24/2012
Cobalt	EPA 200.7	0.12	mg/L	0.010	5/24/2012
Copper	EPA 200.7	3.8	mg/L	0.050	5/24/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Iron	EPA 200.7	3.2	mg/L	0.010	5/24/2012
Lithium	EPA 200.7	0.13	mg/L	0.10	5/24/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Manganese	EPA 200.7	0.17	mg/L	0.0050	5/24/2012
Molybdenum	EPA 200.7	0.078	mg/L	0.010	5/24/2012
Nickel	EPA 200.7	0.046	mg/L	0.010	5/24/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	5/24/2012
Potassium	EPA 200.7	12	mg/L	0.50	5/24/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	5/24/2012
Sodium	EPA 200.7	840	mg/L	2.5	5/25/2012
Strontium	EPA 200.7	0.26	mg/L	0.10	5/24/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	5/24/2012
Vanadium	EPA 200.7	0.10	mg/L	0.010	5/24/2012

Customer Sample ID: 63522 U

Collect Date/Time: 5/18/2012 09:00

WETLAB Sample ID: 1205371-016

Receive Date: 5/18/2012 10:40

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Zinc	EPA 200.7	8.4	mg/L	0.010	5/24/2012
Mercury	EPA 200.8	0.0042	mg/L	0.00010	5/25/2012
Antimony	EPA 200.8	0.38	mg/L	0.010	5/29/2012
Arsenic	EPA 200.8	5.4	mg/L	0.050	5/29/2012
Lead	EPA 200.8	0.019	mg/L	0.0025	5/25/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	5/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	5/25/2012
Anions	Calculation	30.2	meq/L	0.10	
Cations	Calculation	37.6	meq/L	0.10	
Error	Calculation	11	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12050734	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12050734	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12050734	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12050735	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12050735	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12050735	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12050738	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12050738	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12050738	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12050740	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12050740	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12050740	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12050761	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12050761	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12050761	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12050766	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050766	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050766	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12050770	Blank 1	Nitrate Nitrogen	EPA 300.0	0.031	mg/L
QC12050770	Blank 2	Nitrate Nitrogen	EPA 300.0	0.031	mg/L
QC12050770	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12050772	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12050772	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12050772	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12050891	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Cadmium, Dissolved	EPA 200.7	<0.0010	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Copper, Dissolved	EPA 200.7	<0.050	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12050898	Blank 1	Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
QC12050918	Blank 1	Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC12050918	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
		Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
QC12050918	Blank 1	Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
QC12050918	Blank 1	Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
QC12050918	Blank 1	Cadmium, Dissolved	EPA 200.7	<0.0010	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
QC12050918	Blank 1	Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
QC12050918	Blank 1	Copper, Dissolved	EPA 200.7	<0.050	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
QC12050918	Blank 1	Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
QC12050918	Blank 1	Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
QC12050918	Blank 1	Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
QC12050918	Blank 1	Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
QC12050918	Blank 1	Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L
QC12050918	Blank 1	Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
QC12050918	Blank 1	Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
QC12050918	Blank 1	Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC12050982	Blank 1	Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
QC12050982	Blank 1	Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
QC12050982	Blank 1	Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
QC12050983	Blank 1	Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
QC12050983	Blank 1	Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
QC12050983	Blank 1	Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12050713	LCS 1	pH	SM 4500-H+ B	7.04	7.00	101	pH Units
QC12050715	LCS 1	Alkalinity	SM 2320B	110	100	110	mg/L
QC12050734	LCS 1	Fluoride	EPA 300.0	1.92	2.00	96	mg/L
QC12050735	LCS 1	Fluoride	EPA 300.0	1.92	2.00	96	mg/L
QC12050738	LCS 1	Chloride	EPA 300.0	10.8	10.0	108	mg/L
QC12050740	LCS 1	Sulfate	EPA 300.0	24.5	25.0	98	mg/L
QC12050761	LCS 1	Chloride	EPA 300.0	10.8	10.0	108	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12050766	LCS 1	Nitrite Nitrogen	EPA 300.0	0.520	0.500	104	mg/L
QC12050770	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	0.500	100	mg/L
QC12050772	LCS 1	Sulfate	EPA 300.0	24.5	25.0	98	mg/L
QC12050809	LCS 1	Alkalinity	SM 2320B	104	100	104	mg/L
QC12050891	LCS 1	Aluminum	EPA 200.7	1.02	1.00	102	mg/L
		Barium	EPA 200.7	1.00	1.00	100	mg/L
		Beryllium	EPA 200.7	0.995	1.00	100	mg/L
		Bismuth	EPA 200.7	0.998	1.00	100	mg/L
		Boron	EPA 200.7	0.961	1.00	96	mg/L
		Cadmium	EPA 200.7	1.01	1.00	101	mg/L
		Calcium	EPA 200.7	9.48	10.0	95	mg/L
		Chromium	EPA 200.7	0.984	1.00	98	mg/L
		Cobalt	EPA 200.7	0.990	1.00	99	mg/L
		Copper	EPA 200.7	4.81	5.00	96	mg/L
		Gallium	EPA 200.7	0.989	1.00	99	mg/L
		Iron	EPA 200.7	0.947	1.00	95	mg/L
		Lithium	EPA 200.7	0.935	1.00	94	mg/L
		Magnesium	EPA 200.7	9.49	10.0	95	mg/L
		Manganese	EPA 200.7	0.984	1.00	98	mg/L
		Molybdenum	EPA 200.7	0.993	1.00	99	mg/L
		Nickel	EPA 200.7	5.01	5.00	100	mg/L
		Phosphorus	EPA 200.7	4.93	5.00	99	mg/L
		Potassium	EPA 200.7	9.69	10.0	97	mg/L
		Scandium	EPA 200.7	0.972	1.00	97	mg/L
		Silver	EPA 200.7	0.089	0.090	99	mg/L
		Sodium	EPA 200.7	9.50	10.0	95	mg/L
		Strontium	EPA 200.7	0.944	1.00	94	mg/L
		Tin	EPA 200.7	0.979	1.00	98	mg/L
		Titanium	EPA 200.7	0.939	1.00	94	mg/L
		Vanadium	EPA 200.7	0.989	1.00	99	mg/L
		Zinc	EPA 200.7	1.01	1.00	101	mg/L
QC12050898	LCS 1	Electrical Conductivity	SM 2510B	1392	1412	99	µmhos/cm
QC12050909	LCS 1	Redox Potential	SM 2580B	221	221	100	mV
QC12050909	LCS 2	Redox Potential	SM 2580B		221		mV
QC12050918	LCS 1	Aluminum	EPA 200.7	0.962	1.00	96	mg/L
		Barium	EPA 200.7	0.963	1.00	96	mg/L
		Beryllium	EPA 200.7	0.968	1.00	97	mg/L
		Bismuth	EPA 200.7	0.979	1.00	98	mg/L
		Boron	EPA 200.7	0.900	1.00	90	mg/L
		Cadmium	EPA 200.7	0.957	1.00	96	mg/L
		Calcium	EPA 200.7	9.66	10.0	97	mg/L
		Chromium	EPA 200.7	0.948	1.00	95	mg/L
		Cobalt	EPA 200.7	0.957	1.00	96	mg/L
		Copper	EPA 200.7	4.68	5.00	94	mg/L
		Gallium	EPA 200.7	0.959	1.00	96	mg/L
		Iron	EPA 200.7	0.961	1.00	96	mg/L
		Lithium	EPA 200.7	0.954	1.00	95	mg/L
		Magnesium	EPA 200.7	9.55	10.0	96	mg/L
		Manganese	EPA 200.7	0.950	1.00	95	mg/L
		Molybdenum	EPA 200.7	0.962	1.00	96	mg/L
		Nickel	EPA 200.7	4.80	5.00	96	mg/L
		Phosphorus	EPA 200.7	4.85	5.00	97	mg/L
		Potassium	EPA 200.7	9.58	10.0	96	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12050982	LCS 1	Scandium	EPA 200.7	0.963	1.00	96	mg/L
		Silver	EPA 200.7	0.084	0.090	93	mg/L
		Sodium	EPA 200.7	9.84	10.0	98	mg/L
		Strontium	EPA 200.7	0.971	1.00	97	mg/L
		Tin	EPA 200.7	0.946	1.00	95	mg/L
		Titanium	EPA 200.7	0.963	1.00	96	mg/L
		Vanadium	EPA 200.7	0.950	1.00	95	mg/L
		Zinc	EPA 200.7	0.967	1.00	97	mg/L
		Mercury	EPA 200.8	0.000950	0.001	95	mg/L
		Antimony	EPA 200.8	0.0100	0.010	100	mg/L
QC12050983	LCS 1	Arsenic	EPA 200.8	0.0483	0.050	97	mg/L
		Lead	EPA 200.8	0.0094	0.010	94	mg/L
		Selenium	EPA 200.8	0.0445	0.050	89	mg/L
		Thallium	EPA 200.8	0.0094	0.010	94	mg/L
		Mercury	EPA 200.8	0.001040	0.001	104	mg/L
		Antimony	EPA 200.8	0.0104	0.010	104	mg/L
		Arsenic	EPA 200.8	0.0531	0.050	106	mg/L
		Lead	EPA 200.8	0.0094	0.010	94	mg/L
		Selenium	EPA 200.8	0.0428	0.050	86	mg/L
		Thallium	EPA 200.8	0.0093	0.010	93	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12050713	Duplicate	pH	SM 4500-H+ B	1205371-008	10.2	10.2	pH Units	<1%
QC12050715	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205371-002	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1205371-002	332	342	mg/L	3 %
		Hydroxide (OH)	SM 2320B	1205371-002	13.6	10.8	mg/L	23 %
		Total Alkalinity	SM 2320B	1205371-002	592	600	mg/L as CaCO3	1 %
QC12050809	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205359-007	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1205359-007	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1205359-007	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1205359-007	<1.000	<1.000	mg/L as CaCO3	<1%
QC12050809	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205371-003	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1205371-003	333	333	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1205371-003	34.0	34.0	mg/L	<1%
		Total Alkalinity	SM 2320B	1205371-003	652	652	mg/L as CaCO3	<1%
QC12050898	Duplicate	Electrical Conductivity	SM 2510B	1205413-001	585	576	µmhos/cm	2 %
QC12050898	Duplicate	Electrical Conductivity	SM 2510B	1205100-001	2080	2020	µmhos/cm	3 %
QC12050909	Duplicate	Redox Potential	SM 2580B	1205371-001	69.0	67.4	mV	2 %
QC12050909	Duplicate	Redox Potential	SM 2580B	1205371-011	64.9	62.9	mV	3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12050734	MS 1	Fluoride	EPA 300.0	1205360-005	<0.100	2.01	2.06	2.00	mg/L	100	103	2 %
QC12050734	MS 2	Fluoride	EPA 300.0	1205371-002	4.05	22.9	23.0	2.00	mg/L	94	95	<1%
QC12050735	MS 1	Fluoride	EPA 300.0	1205371-011	4.14	22.2	22.9	2.00	mg/L	91	94	3 %
QC12050735	MS 2	Fluoride	EPA 300.0	1205375-001	10.1	28.0	28.2	2.00	mg/L	90	91	1 %
QC12050738	MS 1	Chloride	EPA 300.0	1205360-005	<1.000	5.25	5.38	5.00	mg/L	103	106	2 %
QC12050738	MS 2	Chloride	EPA 300.0	1205371-002	24.9	77.3	77.8	5.00	mg/L	105	106	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12050740	MS 1	Sulfate	EPA 300.0	1205360-005	2.32	12.4	12.6	10.0	mg/L	100	103	2 %
QC12050740	MS 2	Sulfate	EPA 300.0	1205371-002	246	340	341	10.0	mg/L	94	95	<1%
QC12050761	MS 1	Chloride	EPA 300.0	1205371-011	31.6	79.6	81.7	5.00	mg/L	96	100	3 %
QC12050761	MS 2	Chloride	EPA 300.0	1205375-001	78.7	131	132	5.00	mg/L	105	106	1 %
QC12050766	MS 1	Nitrite Nitrogen	EPA 300.0	1205360-005	<0.030	0.549	0.564	0.500	mg/L	104	107	3 %
QC12050766	MS 2	Nitrite Nitrogen	EPA 300.0	1205371-011	0.734	5.11	5.11	0.500	mg/L	87	87	<1%
QC12050770	MS 1	Nitrate Nitrogen	EPA 300.0	1205371-002	<1.000	21.1	21.5	0.500	mg/L	103	105	2 %
QC12050770	MS 2	Nitrate Nitrogen	EPA 300.0	1205371-011	<1.000	20.5	21.5	0.500	mg/L	99	104	5 %
QC12050772	MS 1	Sulfate	EPA 300.0	1205371-011	336	M 400	405	10.0	mg/L	NC	NC	NC
QC12050772	MS 2	Sulfate	EPA 300.0	1205375-001	121	222	223	10.0	mg/L	100	101	<1%
QC12050891	MS 1	Aluminum, Dissolved	EPA 200.7	1205378-005	<0.045	0.959	0.958	1.00	mg/L	95	95	<1%
		Barium, Dissolved	EPA 200.7	1205378-005	0.084	1.07	1.07	1.00	mg/L	99	99	<1%
		Beryllium, Dissolved	EPA 200.7	1205378-005	<0.001	1.01	1.00	1.00	mg/L	101	100	1 %
		Bismuth, Dissolved	EPA 200.7	1205378-005	<0.100	0.993	0.983	1.00	mg/L	100	99	1 %
		Boron, Dissolved	EPA 200.7	1205378-005	<0.100	1.00	0.998	1.00	mg/L	96	96	<1%
		Cadmium, Dissolved	EPA 200.7	1205378-005	<0.001	0.998	1.00	1.00	mg/L	100	100	<1%
		Calcium, Dissolved	EPA 200.7	1205378-005	42.6	51.2	52.6	10.0	mg/L	86	100	3 %
		Chromium, Dissolved	EPA 200.7	1205378-005	<0.005	0.967	0.967	1.00	mg/L	97	97	<1%
		Cobalt, Dissolved	EPA 200.7	1205378-005	<0.010	0.970	0.966	1.00	mg/L	97	97	<1%
		Copper, Dissolved	EPA 200.7	1205378-005	<0.050	4.72	4.74	5.00	mg/L	94	95	<1%
		Gallium, Dissolved	EPA 200.7	1205378-005	<0.100	0.975	0.973	1.00	mg/L	97	97	<1%
		Iron, Dissolved	EPA 200.7	1205378-005	<0.010	0.953	0.949	1.00	mg/L	95	95	<1%
		Lithium, Dissolved	EPA 200.7	1205378-005	<0.100	0.943	0.940	1.00	mg/L	93	93	<1%
		Magnesium, Dissolved	EPA 200.7	1205378-005	7.06	16.5	16.6	10.0	mg/L	94	95	1 %
		Manganese, Dissolved	EPA 200.7	1205378-005	<0.005	0.922	0.920	1.00	mg/L	94	94	<1%
		Molybdenum, Dissolved	EPA 200.7	1205378-005	<0.010	1.00	1.00	1.00	mg/L	100	100	<1%
		Nickel, Dissolved	EPA 200.7	1205378-005	<0.010	4.92	4.91	5.00	mg/L	98	98	<1%
		Phosphorus, Dissolved	EPA 200.7	1205378-005	<0.500	5.06	5.07	5.00	mg/L	98	99	<1%
		Potassium, Dissolved	EPA 200.7	1205378-005	2.22	12.0	12.0	10.0	mg/L	98	98	<1%
		Scandium, Dissolved	EPA 200.7	1205378-005	<0.100	0.964	0.957	1.00	mg/L	96	96	1 %
		Silver, Dissolved	EPA 200.7	1205378-005	<0.005	0.086	0.087	0.090	mg/L	96	96	1 %
		Sodium, Dissolved	EPA 200.7	1205378-005	16.3	25.6	25.9	10.0	mg/L	93	96	1 %
		Strontium, Dissolved	EPA 200.7	1205378-005	0.239	1.18	1.17	1.00	mg/L	94	93	1 %
		Tin, Dissolved	EPA 200.7	1205378-005	<0.100	0.939	0.941	1.00	mg/L	97	97	<1%
		Titanium, Dissolved	EPA 200.7	1205378-005	<0.100	0.927	0.921	1.00	mg/L	93	92	1 %
		Vanadium, Dissolved	EPA 200.7	1205378-005	0.019	0.996	0.997	1.00	mg/L	98	98	<1%
		Zinc, Dissolved	EPA 200.7	1205378-005	<0.010	1.01	1.01	1.00	mg/L	101	101	<1%
QC12050918	MS 1	Aluminum, Dissolved	EPA 200.7	1205378-006	<0.045	0.962	0.965	1.00	mg/L	94	95	<1%
		Barium, Dissolved	EPA 200.7	1205378-006	0.068	1.01	0.997	1.00	mg/L	94	93	1 %
		Beryllium, Dissolved	EPA 200.7	1205378-006	<0.001	0.964	0.937	1.00	mg/L	96	94	3 %
		Bismuth, Dissolved	EPA 200.7	1205378-006	<0.100	0.954	0.946	1.00	mg/L	95	95	1 %
		Boron, Dissolved	EPA 200.7	1205378-006	<0.100	0.975	0.962	1.00	mg/L	94	93	1 %
		Cadmium, Dissolved	EPA 200.7	1205378-006	<0.001	0.924	0.898	1.00	mg/L	92	90	3 %
		Calcium, Dissolved	EPA 200.7	1205378-006	43.1	50.9	50.4	10.0	mg/L	78	73	1 %
		Chromium, Dissolved	EPA 200.7	1205378-006	<0.005	0.940	0.926	1.00	mg/L	94	93	2 %
		Cobalt, Dissolved	EPA 200.7	1205378-006	<0.010	0.929	0.910	1.00	mg/L	93	91	2 %
		Copper, Dissolved	EPA 200.7	1205378-006	<0.050	4.75	4.73	5.00	mg/L	95	95	<1%
		Gallium, Dissolved	EPA 200.7	1205378-006	<0.100	0.953	0.950	1.00	mg/L	95	95	<1%
		Iron, Dissolved	EPA 200.7	1205378-006	<0.010	0.960	0.945	1.00	mg/L	96	95	2 %
		Lithium, Dissolved	EPA 200.7	1205378-006	<0.100	0.957	0.950	1.00	mg/L	95	94	1 %
		Magnesium, Dissolved	EPA 200.7	1205378-006	6.12	15.0	14.4	10.0	mg/L	89	83	4 %
		Manganese, Dissolved	EPA 200.7	1205378-006	<0.005	0.915	0.900	1.00	mg/L	93	92	2 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12050982	MS 1	Molybdenum, Dissolved	EPA 200.7	1205378-006	<0.010	0.949	0.936	1.00	mg/L	94	93	1 %
		Nickel, Dissolved	EPA 200.7	1205378-006	0.034	4.67	4.56	5.00	mg/L	93	91	2 %
		Phosphorus, Dissolved	EPA 200.7	1205378-006	<0.500	4.72	4.57	5.00	mg/L	93	90	3 %
		Potassium, Dissolved	EPA 200.7	1205378-006	2.25	12.0	12.0	10.0	mg/L	98	98	<1%
		Scandium, Dissolved	EPA 200.7	1205378-006	<0.100	0.963	0.952	1.00	mg/L	96	95	1 %
		Silver, Dissolved	EPA 200.7	1205378-006	<0.005	0.084	0.082	0.090	mg/L	95	93	2 %
		Sodium, Dissolved	EPA 200.7	1205378-006	16.1	25.4	25.8	10.0	mg/L	93	97	2 %
		Strontium, Dissolved	EPA 200.7	1205378-006	0.205	1.17	1.20	1.00	mg/L	96	100	3 %
		Tin, Dissolved	EPA 200.7	1205378-006	<0.100	0.899	0.876	1.00	mg/L	92	90	3 %
		Titanium, Dissolved	EPA 200.7	1205378-006	<0.100	0.961	0.961	1.00	mg/L	96	96	<1%
		Vanadium, Dissolved	EPA 200.7	1205378-006	0.010	0.957	0.946	1.00	mg/L	95	94	1 %
		Zinc, Dissolved	EPA 200.7	1205378-006	<0.010	0.932	0.901	1.00	mg/L	93	90	3 %
		Mercury, Dissolved	EPA 200.8	1205378-005	0.000113	0.001036	0.001123	0.001	mg/L	92	101	8 %
		Antimony, Dissolved	EPA 200.8	1205378-005	<0.0025	0.0096	0.0097	0.010	mg/L	94	95	1 %
		Arsenic, Dissolved	EPA 200.8	1205378-005	0.0139	0.0621	0.0638	0.050	mg/L	96	100	3 %
		Lead, Dissolved	EPA 200.8	1205378-005	<0.0025	0.0089	0.0090	0.010	mg/L	89	90	1 %
		Selenium, Dissolved	EPA 200.8	1205378-005	<0.0050	0.0402	0.0411	0.050	mg/L	80	82	2 %
		Thallium, Dissolved	EPA 200.8	1205378-005	<0.0010	0.0092	0.0094	0.010	mg/L	89	91	2 %
QC12050983	MS 1	Mercury, Dissolved	EPA 200.8	1205378-006	<0.00010	0.001016	0.000994	0.001	mg/L	102	99	2 %
		Antimony, Dissolved	EPA 200.8	1205378-006	<0.0025	0.0102	0.0100	0.010	mg/L	94	92	2 %
		Arsenic, Dissolved	EPA 200.8	1205378-006	0.0130	0.0618	0.0607	0.050	mg/L	98	95	2 %
		Lead, Dissolved	EPA 200.8	1205378-006	<0.0025	0.0091	0.0091	0.010	mg/L	91	91	<1%
		Selenium, Dissolved	EPA 200.8	1205378-006	<0.0050	0.0456	0.0450	0.050	mg/L	87	86	1 %
		Thallium, Dissolved	EPA 200.8	1205378-006	<0.0010	0.0093	0.0092	0.010	mg/L	91	90	1 %

6/5/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1205498

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 5/25/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1205498

General Comments

Due to lack of sample volume some analyses were not performed.

Specific Comments

The cation/anion balance for numerous samples was outside WETLAB acceptance criteria; However, there are two unidentified analytes (anions) present in the ion chromatography analysis that may contribute to improve the balance but since it is an unknown analyte we were not able to investigate further. The unidentified analytes are seen in all submitted samples however the cation/anion balances for some samples were considered acceptable.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1205498-001,002,003,004,005,006,008,010,011,012,013,015,016 Selenium, Thallium

1205498-006,007,014 Lead, Selenium, Thallium

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 6/5/2012

OrderID: 1205498

Customer Sample ID: 63515 V

Collect Date/Time: 5/25/2012 10:00

WETLAB Sample ID: 1205498-001

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.27	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/29/2012
Carbonate (CO ₃)	SM 2320B	430	mg/L	1.0	5/29/2012
Hydroxide (OH)	SM 2320B	9.5	mg/L	1.0	5/29/2012
Total Alkalinity	SM 2320B	740	mg/L as CaCO ₃	1.0	5/29/2012
Chloride	EPA 300.0	25	mg/L	10	5/30/2012
Fluoride	EPA 300.0	3.6	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	250	mg/L	15	5/30/2012
Aluminum	EPA 200.7	0.090	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.012	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.14	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.033	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	3.8	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.13	mg/L	0.010	6/4/2012
Copper	EPA 200.7	2.6	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	6.6	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.076	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.090	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.024	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/4/2012

Customer Sample ID: 63515 V
WETLAB Sample ID: 1205498-001

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	690	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.23	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	6.7	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0079	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.85	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	11	mg/L	0.10	6/4/2012
Lead	EPA 200.8	0.026	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	21.0	meq/L	0.10	
Cations	Calculation	31.1	meq/L	0.10	
Error	Calculation	19	%	1.0	

Customer Sample ID: 63515 W
WETLAB Sample ID: 1205498-002

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.31	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/29/2012
Carbonate (CO ₃)	SM 2320B	380	mg/L	1.0	5/29/2012
Hydroxide (OH)	SM 2320B	57	mg/L	1.0	5/29/2012
Total Alkalinity	SM 2320B	800	mg/L as CaCO ₃	1.0	5/29/2012
Chloride	EPA 300.0	25	mg/L	10	5/30/2012
Fluoride	EPA 300.0	3.3	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	260	mg/L	15	5/30/2012
Aluminum	EPA 200.7	0.095	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.018	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.14	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.039	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	4.4	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012

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Customer Sample ID: 63515 W
WETLAB Sample ID: 1205498-002

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.12	mg/L	0.010	6/4/2012
Copper	EPA 200.7	2.4	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	6.1	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.076	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.091	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.026	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	12	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	710	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.24	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	7.4	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0086	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.82	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	10	mg/L	0.10	6/4/2012
Lead	EPA 200.8	0.025	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	22.3	meq/L	0.10	
Cations	Calculation	32.1	meq/L	0.10	
Error	Calculation	18	%	1.0	

Customer Sample ID: 63516 V
WETLAB Sample ID: 1205498-003

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.40	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/29/2012
Carbonate (CO ₃)	SM 2320B	360	mg/L	1.0	5/29/2012
Hydroxide (OH)	SM 2320B	60	mg/L	1.0	5/29/2012
Total Alkalinity	SM 2320B	780	mg/L as CaCO ₃	1.0	5/29/2012

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Customer Sample ID: 63516 V
WETLAB Sample ID: 1205498-003

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	25	mg/L	10	5/30/2012
Fluoride	EPA 300.0	3.7	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	380	mg/L	15	5/30/2012
Aluminum	EPA 200.7	0.093	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.023	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.13	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.038	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	5.9	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	6/4/2012
Copper	EPA 200.7	2.8	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	5.8	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.11	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.021	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	13	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	870	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.34	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	9.0	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0099	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.83	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	10	mg/L	0.10	6/4/2012
Lead	EPA 200.8	0.031	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	24.3	meq/L	0.10	
Cations	Calculation	39.2	meq/L	0.10	

Customer Sample ID: 63516 V

Collect Date/Time: 5/25/2012 10:00

WETLAB Sample ID: 1205498-003

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Error	Calculation	23	%	1.0	

Customer Sample ID: 63516 W

Collect Date/Time: 5/25/2012 10:00

WETLAB Sample ID: 1205498-004

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.39	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/29/2012
Carbonate (CO ₃)	SM 2320B	360	mg/L	1.0	5/29/2012
Hydroxide (OH)	SM 2320B	27	mg/L	1.0	5/29/2012
Total Alkalinity	SM 2320B	670	mg/L as CaCO ₃	1.0	5/29/2012
Chloride	EPA 300.0	24	mg/L	10	5/30/2012
Fluoride	EPA 300.0	3.9	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	360	mg/L	15	5/30/2012
Aluminum	EPA 200.7	0.096	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.022	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.14	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.038	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	4.7	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	6/4/2012
Copper	EPA 200.7	3.6	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	5.9	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.025	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.028	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	12	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	780	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.28	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012

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Customer Sample ID: 63516 W
WETLAB Sample ID: 1205498-004

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	8.7	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0092	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.82	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	11	mg/L	0.10	6/4/2012
Lead	EPA 200.8	0.036	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	22.0	meq/L	0.10	
Cations	Calculation	35.2	meq/L	0.10	
Error	Calculation	23	%	1.0	

Customer Sample ID: 63517 V
WETLAB Sample ID: 1205498-005

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.39	pH Units		5/29/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	5/29/2012
Carbonate (CO3)	SM 2320B	400	mg/L	1.0	5/29/2012
Hydroxide (OH)	SM 2320B	48	mg/L	1.0	5/29/2012
Total Alkalinity	SM 2320B	810	mg/L as CaCO3	1.0	5/29/2012
Chloride	EPA 300.0	26	mg/L	10	5/30/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	340	mg/L	15	5/30/2012
Aluminum	EPA 200.7	0.081	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.018	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.13	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.039	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	5.1	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.15	mg/L	0.010	6/4/2012
Copper	EPA 200.7	3.7	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	7.3	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012

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Customer Sample ID: 63517 V
WETLAB Sample ID: 1205498-005

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.098	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.023	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	880	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.29	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	8.9	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.013	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.80	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	10	mg/L	0.10	6/4/2012
Lead	EPA 200.8	0.024	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	24.2	meq/L	0.10	
Cations	Calculation	39.6	meq/L	0.10	
Error	Calculation	24	%	1.0	

Customer Sample ID: 63517 W
WETLAB Sample ID: 1205498-006

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.36	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/29/2012
Carbonate (CO ₃)	SM 2320B	390	mg/L	1.0	5/29/2012
Hydroxide (OH)	SM 2320B	22	mg/L	1.0	5/29/2012
Total Alkalinity	SM 2320B	710	mg/L as CaCO ₃	1.0	5/29/2012
Chloride	EPA 300.0	26	mg/L	10	5/30/2012
Fluoride	EPA 300.0	3.7	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	340	mg/L	15	5/30/2012
Aluminum	EPA 200.7	0.090	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.011	mg/L	0.010	6/4/2012

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Customer Sample ID: 63517 W
WETLAB Sample ID: 1205498-006

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.13	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.035	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	4.7	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	6/4/2012
Copper	EPA 200.7	4.1	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	7.6	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.020	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.022	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	860	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.27	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.17	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	8.2	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0067	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.88	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	12	mg/L	0.10	6/4/2012
Lead	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	22.3	meq/L	0.10	
Cations	Calculation	38.7	meq/L	0.10	
Error	Calculation	27	%	1.0	

Customer Sample ID: 63518 V
WETLAB Sample ID: 1205498-007

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.33	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/31/2012
Carbonate (CO ₃)	SM 2320B	370	mg/L	1.0	5/31/2012
Hydroxide (OH)	SM 2320B	27	mg/L	1.0	5/31/2012
Total Alkalinity	SM 2320B	690	mg/L as CaCO ₃	1.0	5/31/2012
Chloride	EPA 300.0	25	mg/L	10	5/30/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	380	mg/L	15	5/30/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.011	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.12	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.033	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	5.0	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	6/4/2012
Copper	EPA 200.7	5.0	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	5.6	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.065	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.015	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	830	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.33	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	8.4	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0062	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.85	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	9.9	mg/L	0.10	6/4/2012

Customer Sample ID: 63518 V
WETLAB Sample ID: 1205498-007

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Lead	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	22.7	meq/L	0.10	
Cations	Calculation	37.4	meq/L	0.10	
Error	Calculation	24	%	1.0	

Customer Sample ID: 63518 W
WETLAB Sample ID: 1205498-008

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.29	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	4.9	mg/L	1.0	5/31/2012
Carbonate (CO ₃)	SM 2320B	370	mg/L	1.0	5/31/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	5/31/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO ₃	1.0	5/31/2012
Chloride	EPA 300.0	25	mg/L	10	5/30/2012
Fluoride	EPA 300.0	4.0	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	380	mg/L	15	5/30/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	6/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.13	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.035	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	4.2	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.18	mg/L	0.010	6/4/2012
Copper	EPA 200.7	5.3	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	5.3	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.013	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.020	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/4/2012

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Customer Sample ID: 63518 W
WETLAB Sample ID: 1205498-008

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	800	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.28	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	8.5	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0056	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.91	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	12	mg/L	0.10	6/4/2012
Lead	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	21.2	meq/L	0.10	
Cations	Calculation	36.0	meq/L	0.10	
Error	Calculation	26	%	1.0	

Customer Sample ID: 63519 V
WETLAB Sample ID: 1205498-009

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.31	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/31/2012
Carbonate (CO ₃)	SM 2320B	390	mg/L	1.0	5/31/2012
Hydroxide (OH)	SM 2320B	9.5	mg/L	1.0	5/31/2012
Total Alkalinity	SM 2320B	670	mg/L as CaCO ₃	1.0	5/31/2012
Chloride	EPA 300.0	40	mg/L	10	5/30/2012
Fluoride	EPA 300.0	3.7	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	350	mg/L	15	5/30/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.011	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.14	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.037	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	4.3	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012

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Customer Sample ID: 63519 V
WETLAB Sample ID: 1205498-009

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.17	mg/L	0.010	6/4/2012
Copper	EPA 200.7	4.2	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	3.6	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.0092	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.029	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	770	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.24	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.17	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	8.7	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0049	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.86	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	12	mg/L	0.10	6/4/2012
Lead	EPA 200.8	0.027	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	22.2	meq/L	0.10	
Cations	Calculation	34.6	meq/L	0.10	
Error	Calculation	22	%	1.0	

Customer Sample ID: 63519 W
WETLAB Sample ID: 1205498-010

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.39	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/31/2012
Carbonate (CO ₃)	SM 2320B	390	mg/L	1.0	5/31/2012
Hydroxide (OH)	SM 2320B	27	mg/L	1.0	5/31/2012
Total Alkalinity	SM 2320B	730	mg/L as CaCO ₃	1.0	5/31/2012

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Customer Sample ID: 63519 W
WETLAB Sample ID: 1205498-010

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	39	mg/L	10	5/30/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	350	mg/L	15	5/30/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	6/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.14	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.036	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	4.3	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	6/4/2012
Copper	EPA 200.7	5.7	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	4.4	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.018	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.033	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	12	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	830	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.26	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.18	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	8.7	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0053	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.93	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	13	mg/L	0.10	6/4/2012
Lead	EPA 200.8	0.023	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	23.2	meq/L	0.10	
Cations	Calculation	37.3	meq/L	0.10	

Customer Sample ID: 63519 W
WETLAB Sample ID: 1205498-010

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Error	Calculation	23	%	1.0	

Customer Sample ID: 63520 V
WETLAB Sample ID: 1205498-011

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.34	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/31/2012
Carbonate (CO ₃)	SM 2320B	460	mg/L	1.0	5/31/2012
Hydroxide (OH)	SM 2320B	9.5	mg/L	1.0	5/31/2012
Total Alkalinity	SM 2320B	800	mg/L as CaCO ₃	1.0	5/31/2012
Chloride	EPA 300.0	29	mg/L	10	5/30/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	350	mg/L	15	5/30/2012
Aluminum	EPA 200.7	0.12	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.011	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.13	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.039	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	3.4	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.15	mg/L	0.010	6/4/2012
Copper	EPA 200.7	5.6	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	3.3	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.011	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.035	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	14	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	900	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.22	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012

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Customer Sample ID: 63520 V
WETLAB Sample ID: 1205498-011

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.19	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	8.8	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0079	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.93	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	11	mg/L	0.10	6/4/2012
Lead	EPA 200.8	0.025	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	24.2	meq/L	0.10	
Cations	Calculation	40.3	meq/L	0.10	
Error	Calculation	25	%	1.0	

Customer Sample ID: 63520 W
WETLAB Sample ID: 1205498-012

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.41	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/31/2012
Carbonate (CO ₃)	SM 2320B	450	mg/L	1.0	5/31/2012
Hydroxide (OH)	SM 2320B	44	mg/L	1.0	5/31/2012
Total Alkalinity	SM 2320B	880	mg/L as CaCO ₃	1.0	5/31/2012
Chloride	EPA 300.0	29	mg/L	10	5/30/2012
Fluoride	EPA 300.0	3.5	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	340	mg/L	15	5/30/2012
Aluminum	EPA 200.7	0.17	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.021	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.12	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.034	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	3.3	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.14	mg/L	0.010	6/4/2012
Copper	EPA 200.7	5.1	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	3.2	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012

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Customer Sample ID: 63520 W
WETLAB Sample ID: 1205498-012

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.047	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.13	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.026	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	14	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	920	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.23	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.18	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	8.0	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0087	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.89	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	11	mg/L	0.10	6/4/2012
Lead	EPA 200.8	0.034	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	25.7	meq/L	0.10	
Cations	Calculation	41.1	meq/L	0.10	
Error	Calculation	23	%	1.0	

Customer Sample ID: 63521 V
WETLAB Sample ID: 1205498-013

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.46	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/31/2012
Carbonate (CO ₃)	SM 2320B	380	mg/L	1.0	5/31/2012
Hydroxide (OH)	SM 2320B	50	mg/L	1.0	5/31/2012
Total Alkalinity	SM 2320B	780	mg/L as CaCO ₃	1.0	5/31/2012
Chloride	EPA 300.0	36	mg/L	10	5/30/2012
Fluoride	EPA 300.0	3.0	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	320	mg/L	15	5/30/2012
Aluminum	EPA 200.7	0.068	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.013	mg/L	0.010	6/4/2012

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Customer Sample ID: 63521 V
WETLAB Sample ID: 1205498-013

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.015	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	3.7	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	0.0073	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.12	mg/L	0.010	6/4/2012
Copper	EPA 200.7	4.4	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	3.0	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.35	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.083	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.14	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	8.6	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	670	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.20	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	6.2	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0063	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.52	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	9.6	mg/L	0.10	6/4/2012
Lead	EPA 200.8	0.028	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	23.4	meq/L	0.10	
Cations	Calculation	30.1	meq/L	0.10	
Error	Calculation	12	%	1.0	

Customer Sample ID: 63521 W
WETLAB Sample ID: 1205498-014

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.48	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/31/2012
Carbonate (CO ₃)	SM 2320B	350	mg/L	1.0	5/31/2012
Hydroxide (OH)	SM 2320B	53	mg/L	1.0	5/31/2012
Total Alkalinity	SM 2320B	740	mg/L as CaCO ₃	1.0	5/31/2012
Chloride	EPA 300.0	36	mg/L	10	5/30/2012
Fluoride	EPA 300.0	3.0	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	320	mg/L	15	5/30/2012
Aluminum	EPA 200.7	0.060	mg/L	0.045	6/1/2012
Barium	EPA 200.7	0.011	mg/L	0.010	6/1/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/1/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Boron	EPA 200.7	0.10	mg/L	0.10	6/1/2012
Cadmium	EPA 200.7	0.016	mg/L	0.0010	6/1/2012
Calcium	EPA 200.7	4.6	mg/L	0.50	6/1/2012
Chromium	EPA 200.7	0.0082	mg/L	0.0050	6/1/2012
Cobalt	EPA 200.7	0.14	mg/L	0.010	6/1/2012
Copper	EPA 200.7	3.6	mg/L	0.050	6/1/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Iron	EPA 200.7	2.6	mg/L	0.010	6/1/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/1/2012
Manganese	EPA 200.7	0.38	mg/L	0.0050	6/1/2012
Molybdenum	EPA 200.7	0.089	mg/L	0.010	6/1/2012
Nickel	EPA 200.7	0.14	mg/L	0.010	6/1/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/1/2012
Potassium	EPA 200.7	8.6	mg/L	0.50	6/1/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/1/2012
Sodium	EPA 200.7	680	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.21	mg/L	0.10	6/1/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	6/1/2012
Zinc	EPA 200.7	6.6	mg/L	0.010	6/1/2012
Mercury	EPA 200.8	0.0045	mg/L	0.0020	6/4/2012
Antimony	EPA 200.8	0.55	mg/L	0.020	6/4/2012
Arsenic	EPA 200.8	9.7	mg/L	0.10	6/4/2012

Customer Sample ID: 63521 W
WETLAB Sample ID: 1205498-014

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Lead	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/4/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/4/2012
Anions	Calculation	22.6	meq/L	0.10	
Cations	Calculation	30.5	meq/L	0.10	
Error	Calculation	15	%	1.0	

Customer Sample ID: 63522 V
WETLAB Sample ID: 1205498-015

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.52	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/31/2012
Carbonate (CO ₃)	SM 2320B	260	mg/L	1.0	5/31/2012
Hydroxide (OH)	SM 2320B	60	mg/L	1.0	5/31/2012
Total Alkalinity	SM 2320B	610	mg/L as CaCO ₃	1.0	5/31/2012
Chloride	EPA 300.0	490	mg/L	10	5/30/2012
Fluoride	EPA 300.0	2.4	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	270	mg/L	15	5/30/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	6/1/2012
Barium	EPA 200.7	0.013	mg/L	0.010	6/1/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/1/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Boron	EPA 200.7	0.26	mg/L	0.10	6/1/2012
Cadmium	EPA 200.7	0.016	mg/L	0.0010	6/1/2012
Calcium	EPA 200.7	4.1	mg/L	0.50	6/1/2012
Chromium	EPA 200.7	0.0056	mg/L	0.0050	6/1/2012
Cobalt	EPA 200.7	0.12	mg/L	0.010	6/1/2012
Copper	EPA 200.7	3.7	mg/L	0.050	6/1/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Iron	EPA 200.7	3.4	mg/L	0.010	6/1/2012
Lithium	EPA 200.7	0.10	mg/L	0.10	6/1/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/1/2012
Manganese	EPA 200.7	0.091	mg/L	0.0050	6/1/2012
Molybdenum	EPA 200.7	0.077	mg/L	0.010	6/1/2012
Nickel	EPA 200.7	0.045	mg/L	0.010	6/1/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/1/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/1/2012

Customer Sample ID: 63522 V
WETLAB Sample ID: 1205498-015

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/1/2012
Sodium	EPA 200.7	820	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.23	mg/L	0.10	6/1/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	6/1/2012
Zinc	EPA 200.7	8.3	mg/L	0.010	6/1/2012
Mercury	EPA 200.8	0.0052	mg/L	0.0010	6/4/2012
Antimony	EPA 200.8	0.41	mg/L	0.010	6/4/2012
Arsenic	EPA 200.8	6.4	mg/L	0.050	6/4/2012
Lead	EPA 200.8	0.013	mg/L	0.010	6/4/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	6/4/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	6/4/2012
Anions	Calculation	31.8	meq/L	0.10	
Cations	Calculation	36.7	meq/L	0.10	
Error	Calculation	7.2	%	1.0	

Customer Sample ID: 63522 W
WETLAB Sample ID: 1205498-016

Collect Date/Time: 5/25/2012 10:00

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.49	pH Units		5/29/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	5/31/2012
Carbonate (CO ₃)	SM 2320B	330	mg/L	1.0	5/31/2012
Hydroxide (OH)	SM 2320B	46	mg/L	1.0	5/31/2012
Total Alkalinity	SM 2320B	680	mg/L as CaCO ₃	1.0	5/31/2012
Chloride	EPA 300.0	490	mg/L	10	5/30/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	5/30/2012
Sulfate	EPA 300.0	270	mg/L	15	5/30/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	6/1/2012
Barium	EPA 200.7	0.010	mg/L	0.010	6/1/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/1/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Boron	EPA 200.7	0.26	mg/L	0.10	6/1/2012
Cadmium	EPA 200.7	0.016	mg/L	0.0010	6/1/2012
Calcium	EPA 200.7	4.6	mg/L	0.50	6/1/2012
Chromium	EPA 200.7	0.0061	mg/L	0.0050	6/1/2012

Customer Sample ID: 63522 W

Collect Date/Time: 5/25/2012 10:00

WETLAB Sample ID: 1205498-016

Receive Date: 5/25/2012 12:55

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.13	mg/L	0.010	6/1/2012
Copper	EPA 200.7	4.3	mg/L	0.050	6/1/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Iron	EPA 200.7	3.7	mg/L	0.010	6/1/2012
Lithium	EPA 200.7	0.11	mg/L	0.10	6/1/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/1/2012
Manganese	EPA 200.7	0.18	mg/L	0.0050	6/1/2012
Molybdenum	EPA 200.7	0.080	mg/L	0.010	6/1/2012
Nickel	EPA 200.7	0.042	mg/L	0.010	6/1/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/1/2012
Potassium	EPA 200.7	12	mg/L	0.50	6/1/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/1/2012
Sodium	EPA 200.7	890	mg/L	5.0	6/4/2012
Strontium	EPA 200.7	0.27	mg/L	0.10	6/1/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/1/2012
Vanadium	EPA 200.7	0.12	mg/L	0.010	6/1/2012
Zinc	EPA 200.7	8.4	mg/L	0.010	6/1/2012
Mercury	EPA 200.8	0.0059	mg/L	0.0010	6/4/2012
Antimony	EPA 200.8	0.43	mg/L	0.010	6/4/2012
Arsenic	EPA 200.8	6.4	mg/L	0.050	6/4/2012
Lead	EPA 200.8	0.011	mg/L	0.010	6/4/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	6/4/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	6/4/2012
Anions	Calculation	33.3	meq/L	0.10	
Cations	Calculation	39.8	meq/L	0.10	
Error	Calculation	9.0	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12051074	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12051074	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12051074	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12051076	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12051076	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12051076	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12051081	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12051081	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12051081	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12060042	Blank 1	Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
QC12060043	Blank 1	Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
QC12060060	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Cadmium, Dissolved	EPA 200.7	<0.0010	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Copper, Dissolved	EPA 200.7	<0.050	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12060061	Blank 1	Zinc, Dissolved	EPA 200.7	<0.010	mg/L
		Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Cadmium, Dissolved	EPA 200.7	<0.0010	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Copper, Dissolved	EPA 200.7	<0.050	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12051010	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12051017	LCS 1	Alkalinity	SM 2320B	108	100	108	mg/L
QC12051074	LCS 1	Fluoride	EPA 300.0	1.97	2.00	98	mg/L
QC12051076	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12051081	LCS 1	Sulfate	EPA 300.0	22.8	25.0	91	mg/L
QC12060010	LCS 1	Alkalinity	SM 2320B	106	100	106	mg/L
QC12060042	LCS 1	Mercury	EPA 200.8	0.001123	0.001	112	mg/L
		Antimony	EPA 200.8	0.0106	0.010	106	mg/L
		Arsenic	EPA 200.8	0.0531	0.050	106	mg/L
		Lead	EPA 200.8	0.0109	0.010	109	mg/L
		Selenium	EPA 200.8	0.0457	0.050	91	mg/L
		Thallium	EPA 200.8	0.0109	0.010	109	mg/L
QC12060043	LCS 1	Mercury	EPA 200.8	0.001123	0.001	112	mg/L
		Antimony	EPA 200.8	0.0106	0.010	106	mg/L
		Arsenic	EPA 200.8	0.0531	0.050	106	mg/L
		Lead	EPA 200.8	0.0109	0.010	109	mg/L
		Selenium	EPA 200.8	0.0457	0.050	91	mg/L
		Thallium	EPA 200.8	0.0109	0.010	109	mg/L
QC12060060	LCS 1	Aluminum	EPA 200.7	0.961	1.00	96	mg/L
		Barium	EPA 200.7	0.969	1.00	97	mg/L
		Beryllium	EPA 200.7	0.974	1.00	97	mg/L
		Bismuth	EPA 200.7	0.991	1.00	99	mg/L
		Boron	EPA 200.7	0.941	1.00	94	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC12060061	LCS 1	Cadmium	EPA 200.7	0.980	1.00	98	mg/L	
		Calcium	EPA 200.7	9.82	10.0	98	mg/L	
		Chromium	EPA 200.7	0.960	1.00	96	mg/L	
		Cobalt	EPA 200.7	0.969	1.00	97	mg/L	
		Copper	EPA 200.7	4.75	5.00	95	mg/L	
		Gallium	EPA 200.7	0.956	1.00	96	mg/L	
		Iron	EPA 200.7	0.979	1.00	98	mg/L	
		Lithium	EPA 200.7	0.955	1.00	96	mg/L	
		Magnesium	EPA 200.7	9.86	10.0	99	mg/L	
		Manganese	EPA 200.7	0.961	1.00	96	mg/L	
		Molybdenum	EPA 200.7	0.984	1.00	98	mg/L	
		Nickel	EPA 200.7	4.86	5.00	97	mg/L	
		Phosphorus	EPA 200.7	4.89	5.00	98	mg/L	
		Potassium	EPA 200.7	9.79	10.0	98	mg/L	
		Scandium	EPA 200.7	0.964	1.00	96	mg/L	
		Silver	EPA 200.7	0.086	0.090	96	mg/L	
		Sodium	EPA 200.7	10.2	10.0	102	mg/L	
		Strontium	EPA 200.7	1.01	1.00	101	mg/L	
		Tin	EPA 200.7	0.978	1.00	98	mg/L	
		Titanium	EPA 200.7	0.992	1.00	99	mg/L	
		Vanadium	EPA 200.7	0.963	1.00	96	mg/L	
		Zinc	EPA 200.7	0.991	1.00	99	mg/L	
		Aluminum	EPA 200.7	0.961	1.00	96	mg/L	
		Barium	EPA 200.7	0.969	1.00	97	mg/L	
		Beryllium	EPA 200.7	0.974	1.00	97	mg/L	
		Bismuth	EPA 200.7	0.991	1.00	99	mg/L	
		Boron	EPA 200.7	0.941	1.00	94	mg/L	
		Cadmium	EPA 200.7	0.980	1.00	98	mg/L	
		Calcium	EPA 200.7	9.82	10.0	98	mg/L	
		Chromium	EPA 200.7	0.960	1.00	96	mg/L	
		Cobalt	EPA 200.7	0.969	1.00	97	mg/L	
		Copper	EPA 200.7	4.75	5.00	95	mg/L	
		Gallium	EPA 200.7	0.956	1.00	96	mg/L	
		Iron	EPA 200.7	0.979	1.00	98	mg/L	
		Lithium	EPA 200.7	0.955	1.00	96	mg/L	
		Magnesium	EPA 200.7	9.86	10.0	99	mg/L	
		Manganese	EPA 200.7	0.961	1.00	96	mg/L	
		Molybdenum	EPA 200.7	0.984	1.00	98	mg/L	
		Nickel	EPA 200.7	4.86	5.00	97	mg/L	
		Phosphorus	EPA 200.7	4.89	5.00	98	mg/L	
		Potassium	EPA 200.7	9.79	10.0	98	mg/L	
		Scandium	EPA 200.7	0.964	1.00	96	mg/L	
		Silver	EPA 200.7	0.086	0.090	96	mg/L	
		Sodium	EPA 200.7	10.2	10.0	102	mg/L	
		Strontium	EPA 200.7	1.01	1.00	101	mg/L	
		Tin	EPA 200.7	0.978	1.00	98	mg/L	
		Titanium	EPA 200.7	0.992	1.00	99	mg/L	
		Vanadium	EPA 200.7	0.963	1.00	96	mg/L	
		Zinc	EPA 200.7	0.991	1.00	99	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12051010	Duplicate	pH	SM 4500-H+ B	1205498-001	10.3	10.3	pH Units	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12051010	Duplicate	pH	SM 4500-H+ B	1205498-011	10.3	10.3	pH Units	<1%
QC12051017	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205498-006	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1205498-006	390	390	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1205498-006	21.8	23.1	mg/L	6 %
		Total Alkalinity	SM 2320B	1205498-006	712	716	mg/L as CaCO3	1 %
QC12060010	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205498-010	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1205498-010	390	386	mg/L	1 %
		Hydroxide (OH)	SM 2320B	1205498-010	27.2	28.6	mg/L	5 %
		Total Alkalinity	SM 2320B	1205498-010	728	724	mg/L as CaCO3	1 %
QC12060010	Duplicate	Bicarbonate (HCO3)	SM 2320B	1205515-016	19.5	19.5	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1205515-016	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1205515-016	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1205515-016	16.0	16.0	mg/L as CaCO3	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12051074	MS 1	Fluoride	EPA 300.0	1205498-001	3.56	24.6	24.6	2.00	mg/L	105	105	<1%
QC12051074	MS 2	Fluoride	EPA 300.0	1205498-012	3.51	24.3	24.5	2.00	mg/L	104	105	1 %
QC12051076	MS 1	Chloride	EPA 300.0	1205498-001	24.8	76.1	76.1	5.00	mg/L	102	103	<1%
QC12051076	MS 2	Chloride	EPA 300.0	1205498-012	28.6	80.3	80.8	5.00	mg/L	103	104	1 %
QC12051081	MS 1	Sulfate	EPA 300.0	1205498-001	253	370	369	10.0	mg/L	117	116	<1%
QC12051081	MS 2	Sulfate	EPA 300.0	1205498-012	340	456	458	10.0	mg/L	117	118	<1%
QC12060042	MS 1	Mercury, Dissolved	EPA 200.8	1205486-002	<0.00010	0.000920	0.000894	0.001	mg/L	92	89	3 %
		Antimony, Dissolved	EPA 200.8	1205486-002	<0.0025	0.0099	0.0099	0.010	mg/L	97	97	<1%
		Arsenic, Dissolved	EPA 200.8	1205486-002	0.0063	0.0579	0.0574	0.050	mg/L	103	102	1 %
		Lead, Dissolved	EPA 200.8	1205486-002	<0.0025	0.0095	0.0095	0.010	mg/L	95	95	<1%
		Selenium, Dissolved	EPA 200.8	1205486-002	<0.0050	0.0422	0.0441	0.050	mg/L	84	88	4 %
		Thallium, Dissolved	EPA 200.8	1205486-002	<0.0010	0.0093	0.0093	0.010	mg/L	93	93	<1%
QC12060043	MS 1	Mercury, Dissolved	EPA 200.8	1205500-001	<0.00010	0.000887	0.000875	0.001	mg/L	88	87	1 %
		Antimony, Dissolved	EPA 200.8	1205500-001	<0.0025	0.0099	0.0099	0.010	mg/L	97	98	<1%
		Arsenic, Dissolved	EPA 200.8	1205500-001	<0.0050	0.0552	0.0551	0.050	mg/L	107	106	<1%
		Lead, Dissolved	EPA 200.8	1205500-001	<0.0025	0.0092	0.0092	0.010	mg/L	92	92	<1%
		Selenium, Dissolved	EPA 200.8	1205500-001	<0.0050	0.0442	0.0445	0.050	mg/L	88	89	1 %
		Thallium, Dissolved	EPA 200.8	1205500-001	<0.0010	0.0089	0.0090	0.010	mg/L	88	89	1 %
QC12060060	MS 1	Aluminum, Dissolved	EPA 200.7	1205486-002	<0.045	0.960	0.964	1.00	mg/L	95	95	<1%
		Barium, Dissolved	EPA 200.7	1205486-002	0.094	1.02	1.02	1.00	mg/L	93	93	<1%
		Beryllium, Dissolved	EPA 200.7	1205486-002	<0.001	0.920	0.915	1.00	mg/L	92	91	1 %
		Bismuth, Dissolved	EPA 200.7	1205486-002	<0.100	0.935	0.930	1.00	mg/L	94	93	1 %
		Boron, Dissolved	EPA 200.7	1205486-002	0.318	1.26	1.25	1.00	mg/L	94	93	1 %
		Cadmium, Dissolved	EPA 200.7	1205486-002	<0.001	0.893	0.905	1.00	mg/L	89	91	1 %
		Calcium, Dissolved	EPA 200.7	1205486-002	43.3	53.0	53.7	10.0	mg/L	97	104	1 %
		Chromium, Dissolved	EPA 200.7	1205486-002	<0.005	0.921	0.930	1.00	mg/L	92	93	1 %
		Cobalt, Dissolved	EPA 200.7	1205486-002	<0.010	0.902	0.918	1.00	mg/L	90	92	2 %
		Copper, Dissolved	EPA 200.7	1205486-002	<0.050	4.87	4.87	5.00	mg/L	97	97	<1%
		Gallium, Dissolved	EPA 200.7	1205486-002	<0.100	0.976	0.969	1.00	mg/L	98	97	1 %
		Iron, Dissolved	EPA 200.7	1205486-002	<0.010	0.982	0.998	1.00	mg/L	98	100	2 %
		Lithium, Dissolved	EPA 200.7	1205486-002	<0.100	1.01	1.03	1.00	mg/L	97	99	2 %
		Magnesium, Dissolved	EPA 200.7	1205486-002	10.7	19.8	20.3	10.0	mg/L	91	96	2 %
		Manganese, Dissolved	EPA 200.7	1205486-002	<0.005	0.907	0.915	1.00	mg/L	92	93	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12060061	MS 1	Molybdenum, Dissolved	EPA 200.7	1205486-002	<0.010	0.942	0.957	1.00	mg/L	94	96	2 %
		Nickel, Dissolved	EPA 200.7	1205486-002	<0.010	4.50	4.55	5.00	mg/L	90	91	1 %
		Phosphorus, Dissolved	EPA 200.7	1205486-002	<0.500	4.61	4.63	5.00	mg/L	91	92	<1%
		Potassium, Dissolved	EPA 200.7	1205486-002	6.78	17.1	17.4	10.0	mg/L	103	106	2 %
		Scandium, Dissolved	EPA 200.7	1205486-002	<0.100	0.955	0.942	1.00	mg/L	96	94	1 %
		Silver, Dissolved	EPA 200.7	1205486-002	<0.005	0.086	0.086	0.090	mg/L	96	96	<1%
		Sodium, Dissolved	EPA 200.7	1205486-002	45.4	56.1	56.3	10.0	mg/L	107	109	<1%
		Strontium, Dissolved	EPA 200.7	1205486-002	0.389	1.40	1.41	1.00	mg/L	101	102	1 %
		Tin, Dissolved	EPA 200.7	1205486-002	<0.100	0.896	0.929	1.00	mg/L	92	95	4 %
		Titanium, Dissolved	EPA 200.7	1205486-002	<0.100	1.02	1.06	1.00	mg/L	102	106	4 %
		Vanadium, Dissolved	EPA 200.7	1205486-002	0.019	0.951	0.953	1.00	mg/L	93	93	<1%
		Zinc, Dissolved	EPA 200.7	1205486-002	<0.010	0.897	0.919	1.00	mg/L	90	92	2 %
		Aluminum, Dissolved	EPA 200.7	1205500-001	<0.045	0.976	0.973	1.00	mg/L	95	95	<1%
		Barium, Dissolved	EPA 200.7	1205500-001	0.013	0.930	0.934	1.00	mg/L	92	92	<1%
		Beryllium, Dissolved	EPA 200.7	1205500-001	<0.001	0.919	0.933	1.00	mg/L	92	93	2 %
		Bismuth, Dissolved	EPA 200.7	1205500-001	<0.100	0.908	0.917	1.00	mg/L	94	94	1 %
		Boron, Dissolved	EPA 200.7	1205500-001	<0.100	1.01	1.02	1.00	mg/L	92	93	1 %
		Cadmium, Dissolved	EPA 200.7	1205500-001	<0.001	0.903	0.913	1.00	mg/L	91	92	1 %
		Calcium, Dissolved	EPA 200.7	1205500-001	331	SC 352	353	10.0	mg/L	NC	NC	NC
		Chromium, Dissolved	EPA 200.7	1205500-001	<0.005	0.925	0.932	1.00	mg/L	92	93	1 %
		Cobalt, Dissolved	EPA 200.7	1205500-001	0.022	0.927	0.935	1.00	mg/L	91	91	1 %
		Copper, Dissolved	EPA 200.7	1205500-001	<0.050	4.92	4.95	5.00	mg/L	98	99	1 %
		Gallium, Dissolved	EPA 200.7	1205500-001	<0.100	0.978	0.979	1.00	mg/L	97	97	<1%
		Iron, Dissolved	EPA 200.7	1205500-001	0.044	1.03	1.03	1.00	mg/L	99	99	<1%
		Lithium, Dissolved	EPA 200.7	1205500-001	<0.100	1.05	1.05	1.00	mg/L	101	101	<1%
		Magnesium, Dissolved	EPA 200.7	1205500-001	75.4	85.1	85.0	10.0	mg/L	97	96	<1%
		Manganese, Dissolved	EPA 200.7	1205500-001	<0.005	0.870	0.875	1.00	mg/L	92	93	1 %
		Molybdenum, Dissolved	EPA 200.7	1205500-001	<0.010	0.941	0.940	1.00	mg/L	94	94	<1%
		Nickel, Dissolved	EPA 200.7	1205500-001	<0.010	4.53	4.56	5.00	mg/L	91	91	1 %
		Phosphorus, Dissolved	EPA 200.7	1205500-001	<0.500	4.85	4.93	5.00	mg/L	97	99	2 %
		Potassium, Dissolved	EPA 200.7	1205500-001	11.5	22.7	22.7	10.0	mg/L	112	112	<1%
		Scandium, Dissolved	EPA 200.7	1205500-001	<0.100	0.931	0.944	1.00	mg/L	93	94	1 %
		Silver, Dissolved	EPA 200.7	1205500-001	<0.005	0.086	0.087	0.090	mg/L	98	98	1 %
		Sodium, Dissolved	EPA 200.7	1205500-001	274	SC 296	286	10.0	mg/L	NC	NC	NC
		Strontium, Dissolved	EPA 200.7	1205500-001	1.35	2.40	2.36	1.00	mg/L	105	101	2 %
		Tin, Dissolved	EPA 200.7	1205500-001	<0.100	0.879	0.877	1.00	mg/L	95	95	<1%
		Titanium, Dissolved	EPA 200.7	1205500-001	<0.100	1.01	0.999	1.00	mg/L	101	100	1 %
		Vanadium, Dissolved	EPA 200.7	1205500-001	0.068	0.993	0.996	1.00	mg/L	93	93	<1%
		Zinc, Dissolved	EPA 200.7	1205500-001	<0.010	0.919	0.929	1.00	mg/L	92	93	1 %

6/6/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1206013

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 6/1/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1206013

General Comments

Due to lack of sample volume some analyses were not performed.

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1206013-001,002,004,005,007,008,010,011,013 Lead, Selenium, Thallium

1206013-003,006,009,012,014,015,016 Selenium, Thallium

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 6/6/2012

OrderID: 1206013

Customer Sample ID: 63515 X

Collect Date/Time: 6/1/2012 12:00

WETLAB Sample ID: 1206013-001

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	28	mg/L	10	6/1/2012
Fluoride	EPA 300.0	3.7	mg/L	1.0	6/1/2012
Sulfate	EPA 300.0	240	mg/L	15	6/1/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/1/2012
Nitrite Nitrogen	EPA 300.0	0.85	mg/L	0.30	6/1/2012
Aluminum	EPA 200.7	0.095	mg/L	0.045	6/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.16	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.050	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	4.2	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.22	mg/L	0.010	6/4/2012
Copper	EPA 200.7	7.0	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	9.9	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.057	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.10	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.069	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	730	mg/L	5.0	6/5/2012

Customer Sample ID: 63515 X
WETLAB Sample ID: 1206013-001

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Strontium	EPA 200.7	0.23	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.19	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	9.0	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0052	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.84	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	11	mg/L	0.10	6/5/2012
Lead	EPA 200.8	<0.020	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63516 X
WETLAB Sample ID: 1206013-002

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	26	mg/L	10	6/1/2012
Fluoride	EPA 300.0	4.2	mg/L	1.0	6/1/2012
Sulfate	EPA 300.0	320	mg/L	15	6/1/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/1/2012
Nitrite Nitrogen	EPA 300.0	0.81	mg/L	0.30	6/1/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	6/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.16	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.044	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	3.0	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.31	mg/L	0.010	6/4/2012
Copper	EPA 200.7	8.3	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	8.3	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.048	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.053	mg/L	0.010	6/4/2012

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Customer Sample ID: 63516 X
WETLAB Sample ID: 1206013-002

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	770	mg/L	5.0	6/5/2012
Strontium	EPA 200.7	0.24	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.20	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	10	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0074	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.80	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	11	mg/L	0.10	6/5/2012
Lead	EPA 200.8	<0.020	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63517 X
WETLAB Sample ID: 1206013-003

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	27	mg/L	10	6/1/2012
Fluoride	EPA 300.0	4.0	mg/L	1.0	6/1/2012
Sulfate	EPA 300.0	280	mg/L	15	6/1/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/1/2012
Nitrite Nitrogen	EPA 300.0	0.78	mg/L	0.30	6/1/2012
Aluminum	EPA 200.7	0.13	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.010	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.15	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.048	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	3.1	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	6/4/2012
Copper	EPA 200.7	8.7	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	9.9	mg/L	0.010	6/4/2012

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Customer Sample ID: 63517 X
WETLAB Sample ID: 1206013-003

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.040	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.049	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	9.2	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	800	mg/L	5.0	6/5/2012
Strontium	EPA 200.7	0.21	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.20	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	11	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0071	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.78	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	11	mg/L	0.10	6/5/2012
Lead	EPA 200.8	0.026	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63518 X
WETLAB Sample ID: 1206013-004

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	26	mg/L	10	6/1/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	6/1/2012
Sulfate	EPA 300.0	320	mg/L	15	6/1/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/1/2012
Nitrite Nitrogen	EPA 300.0	0.85	mg/L	0.30	6/1/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	6/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.15	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.042	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	3.3	mg/L	0.50	6/4/2012

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Customer Sample ID: 63518 X
WETLAB Sample ID: 1206013-004

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.32	mg/L	0.010	6/4/2012
Copper	EPA 200.7	8.7	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	7.4	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.013	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.17	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.040	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	770	mg/L	5.0	6/5/2012
Strontium	EPA 200.7	0.24	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.19	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	10	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0050	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.84	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	11	mg/L	0.10	6/5/2012
Lead	EPA 200.8	<0.020	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63519 X
WETLAB Sample ID: 1206013-005

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	40	mg/L	10	6/1/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	6/1/2012
Sulfate	EPA 300.0	290	mg/L	15	6/1/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/1/2012
Nitrite Nitrogen	EPA 300.0	0.91	mg/L	0.30	6/1/2012
Aluminum	EPA 200.7	0.11	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.013	mg/L	0.010	6/4/2012

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Customer Sample ID: 63519 X
WETLAB Sample ID: 1206013-005

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.16	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.041	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	3.6	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	6/4/2012
Copper	EPA 200.7	7.7	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	5.5	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.038	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.060	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	780	mg/L	5.0	6/5/2012
Strontium	EPA 200.7	0.20	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.20	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	9.5	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0078	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.81	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	12	mg/L	0.10	6/5/2012
Lead	EPA 200.8	<0.020	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63520 X
WETLAB Sample ID: 1206013-006

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	30	mg/L	10	6/1/2012
Fluoride	EPA 300.0	3.9	mg/L	1.0	6/1/2012

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Customer Sample ID: 63520 X
WETLAB Sample ID: 1206013-006

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sulfate	EPA 300.0	290	mg/L	15	6/1/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/1/2012
Nitrite Nitrogen	EPA 300.0	0.71	mg/L	0.30	6/1/2012
Aluminum	EPA 200.7	0.25	mg/L	0.045	6/4/2012
Barium	EPA 200.7	0.018	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.15	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.041	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	3.0	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	6/4/2012
Copper	EPA 200.7	8.2	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	4.7	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.041	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.039	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	13	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	860	mg/L	5.0	6/5/2012
Strontium	EPA 200.7	0.18	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.21	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	9.6	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.012	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.83	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	11	mg/L	0.10	6/5/2012
Lead	EPA 200.8	0.035	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63521 X

Collect Date/Time: 6/1/2012 12:00

WETLAB Sample ID: 1206013-007

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	41	mg/L	10	6/1/2012
Fluoride	EPA 300.0	3.3	mg/L	1.0	6/1/2012
Sulfate	EPA 300.0	260	mg/L	15	6/1/2012
Nitrate Nitrogen	EPA 300.0	3.0	mg/L	1.0	6/1/2012
Nitrite Nitrogen	EPA 300.0	1.3	mg/L	0.30	6/1/2012
Aluminum	EPA 200.7	0.079	mg/L	0.045	6/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.12	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.018	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	3.7	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	0.0083	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.15	mg/L	0.010	6/4/2012
Copper	EPA 200.7	4.8	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	3.0	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.34	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.085	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.16	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	7.8	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	580	mg/L	0.50	6/4/2012
Strontium	EPA 200.7	0.17	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.17	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	6.9	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0048	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.47	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	8.8	mg/L	0.10	6/5/2012
Lead	EPA 200.8	<0.020	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63522 X
WETLAB Sample ID: 1206013-008

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	450	mg/L	10	6/1/2012
Fluoride	EPA 300.0	2.8	mg/L	1.0	6/1/2012
Sulfate	EPA 300.0	250	mg/L	15	6/1/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/1/2012
Nitrite Nitrogen	EPA 300.0	2.6	mg/L	0.30	6/1/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	6/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.31	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.020	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	3.1	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	0.0072	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.15	mg/L	0.010	6/4/2012
Copper	EPA 200.7	4.6	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	3.8	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.16	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.088	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.049	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	840	mg/L	5.0	6/5/2012
Strontium	EPA 200.7	0.21	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.14	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	10	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0046	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.42	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	6.7	mg/L	0.10	6/5/2012
Lead	EPA 200.8	<0.020	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63515 Y
WETLAB Sample ID: 1206013-009

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	26	mg/L	10	6/1/2012
Fluoride	EPA 300.0	3.7	mg/L	1.0	6/1/2012
Sulfate	EPA 300.0	230	mg/L	15	6/1/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/1/2012
Nitrite Nitrogen	EPA 300.0	0.70	mg/L	0.30	6/1/2012
Aluminum	EPA 200.7	0.061	mg/L	0.045	6/4/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/4/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/4/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Boron	EPA 200.7	0.16	mg/L	0.10	6/4/2012
Cadmium	EPA 200.7	0.043	mg/L	0.0010	6/4/2012
Calcium	EPA 200.7	2.8	mg/L	0.50	6/4/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Cobalt	EPA 200.7	0.22	mg/L	0.010	6/4/2012
Copper	EPA 200.7	6.9	mg/L	0.050	6/4/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Iron	EPA 200.7	10	mg/L	0.010	6/4/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Manganese	EPA 200.7	0.12	mg/L	0.0050	6/4/2012
Molybdenum	EPA 200.7	0.11	mg/L	0.010	6/4/2012
Nickel	EPA 200.7	0.049	mg/L	0.010	6/4/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/4/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/4/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/4/2012
Sodium	EPA 200.7	720	mg/L	5.0	6/5/2012
Strontium	EPA 200.7	0.22	mg/L	0.10	6/4/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/4/2012
Vanadium	EPA 200.7	0.20	mg/L	0.010	6/4/2012
Zinc	EPA 200.7	8.7	mg/L	0.010	6/4/2012
Mercury	EPA 200.8	0.0059	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.78	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	10	mg/L	0.10	6/5/2012
Lead	EPA 200.8	0.020	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63516 Y
WETLAB Sample ID: 1206013-010

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	26	mg/L	10	6/1/2012
Fluoride	EPA 300.0	4.2	mg/L	1.0	6/1/2012
Sulfate	EPA 300.0	330	mg/L	15	6/1/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/1/2012
Nitrite Nitrogen	EPA 300.0	0.86	mg/L	0.30	6/1/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	6/5/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/5/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/5/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Boron	EPA 200.7	0.15	mg/L	0.10	6/5/2012
Cadmium	EPA 200.7	0.042	mg/L	0.0010	6/5/2012
Calcium	EPA 200.7	3.7	mg/L	0.50	6/5/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/5/2012
Cobalt	EPA 200.7	0.22	mg/L	0.010	6/5/2012
Copper	EPA 200.7	5.6	mg/L	0.050	6/5/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Iron	EPA 200.7	7.4	mg/L	0.010	6/5/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/5/2012
Manganese	EPA 200.7	0.012	mg/L	0.0050	6/5/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	6/5/2012
Nickel	EPA 200.7	0.038	mg/L	0.010	6/5/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/5/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/5/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/5/2012
Sodium	EPA 200.7	780	mg/L	5.0	6/5/2012
Strontium	EPA 200.7	0.24	mg/L	0.10	6/5/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Vanadium	EPA 200.7	0.17	mg/L	0.010	6/5/2012
Zinc	EPA 200.7	9.6	mg/L	0.010	6/5/2012
Mercury	EPA 200.8	0.0073	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.82	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	11	mg/L	0.10	6/5/2012
Lead	EPA 200.8	<0.020	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63517 Y
WETLAB Sample ID: 1206013-011

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	26	mg/L	10	6/2/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	6/2/2012
Sulfate	EPA 300.0	280	mg/L	15	6/2/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/2/2012
Nitrite Nitrogen	EPA 300.0	0.79	mg/L	0.30	6/2/2012
Aluminum	EPA 200.7	0.11	mg/L	0.045	6/5/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/5/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/5/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Boron	EPA 200.7	0.14	mg/L	0.10	6/5/2012
Cadmium	EPA 200.7	0.048	mg/L	0.0010	6/5/2012
Calcium	EPA 200.7	4.0	mg/L	0.50	6/5/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/5/2012
Cobalt	EPA 200.7	0.18	mg/L	0.010	6/5/2012
Copper	EPA 200.7	5.3	mg/L	0.050	6/5/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Iron	EPA 200.7	8.9	mg/L	0.010	6/5/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/5/2012
Manganese	EPA 200.7	0.083	mg/L	0.0050	6/5/2012
Molybdenum	EPA 200.7	0.13	mg/L	0.010	6/5/2012
Nickel	EPA 200.7	0.041	mg/L	0.010	6/5/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/5/2012
Potassium	EPA 200.7	9.6	mg/L	0.50	6/5/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/5/2012
Sodium	EPA 200.7	890	mg/L	5.0	6/5/2012
Strontium	EPA 200.7	0.22	mg/L	0.10	6/5/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Vanadium	EPA 200.7	0.17	mg/L	0.010	6/5/2012
Zinc	EPA 200.7	9.8	mg/L	0.010	6/5/2012
Mercury	EPA 200.8	0.0081	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.86	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	11	mg/L	0.10	6/5/2012
Lead	EPA 200.8	<0.020	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63518 Y
WETLAB Sample ID: 1206013-012

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	24	mg/L	10	6/2/2012
Fluoride	EPA 300.0	4.0	mg/L	1.0	6/2/2012
Sulfate	EPA 300.0	300	mg/L	15	6/2/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/2/2012
Nitrite Nitrogen	EPA 300.0	0.71	mg/L	0.30	6/2/2012
Aluminum	EPA 200.7	0.088	mg/L	0.045	6/5/2012
Barium	EPA 200.7	0.014	mg/L	0.010	6/5/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/5/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Boron	EPA 200.7	0.14	mg/L	0.10	6/5/2012
Cadmium	EPA 200.7	0.043	mg/L	0.0010	6/5/2012
Calcium	EPA 200.7	4.1	mg/L	0.50	6/5/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/5/2012
Cobalt	EPA 200.7	0.19	mg/L	0.010	6/5/2012
Copper	EPA 200.7	6.4	mg/L	0.050	6/5/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Iron	EPA 200.7	5.9	mg/L	0.010	6/5/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/5/2012
Manganese	EPA 200.7	0.016	mg/L	0.0050	6/5/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/5/2012
Nickel	EPA 200.7	0.036	mg/L	0.010	6/5/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/5/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/5/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/5/2012
Sodium	EPA 200.7	800	mg/L	5.0	6/5/2012
Strontium	EPA 200.7	0.22	mg/L	0.10	6/5/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	6/5/2012
Zinc	EPA 200.7	9.7	mg/L	0.010	6/5/2012
Mercury	EPA 200.8	0.0052	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.92	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	12	mg/L	0.10	6/5/2012
Lead	EPA 200.8	0.033	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63519 Y
WETLAB Sample ID: 1206013-013

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	40	mg/L	10	6/2/2012
Fluoride	EPA 300.0	4.0	mg/L	1.0	6/2/2012
Sulfate	EPA 300.0	290	mg/L	15	6/2/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/2/2012
Nitrite Nitrogen	EPA 300.0	0.88	mg/L	0.30	6/2/2012
Aluminum	EPA 200.7	0.094	mg/L	0.045	6/5/2012
Barium	EPA 200.7	0.010	mg/L	0.010	6/5/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/5/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Boron	EPA 200.7	0.15	mg/L	0.10	6/5/2012
Cadmium	EPA 200.7	0.043	mg/L	0.0010	6/5/2012
Calcium	EPA 200.7	4.1	mg/L	0.50	6/5/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/5/2012
Cobalt	EPA 200.7	0.20	mg/L	0.010	6/5/2012
Copper	EPA 200.7	6.3	mg/L	0.050	6/5/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Iron	EPA 200.7	4.9	mg/L	0.010	6/5/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/5/2012
Manganese	EPA 200.7	0.026	mg/L	0.0050	6/5/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/5/2012
Nickel	EPA 200.7	0.046	mg/L	0.010	6/5/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/5/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/5/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/5/2012
Sodium	EPA 200.7	800	mg/L	5.0	6/5/2012
Strontium	EPA 200.7	0.21	mg/L	0.10	6/5/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Vanadium	EPA 200.7	0.18	mg/L	0.010	6/5/2012
Zinc	EPA 200.7	9.2	mg/L	0.010	6/5/2012
Mercury	EPA 200.8	0.0078	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.87	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	12	mg/L	0.10	6/5/2012
Lead	EPA 200.8	<0.020	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63520 Y
WETLAB Sample ID: 1206013-014

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	30	mg/L	10	6/2/2012
Fluoride	EPA 300.0	3.9	mg/L	1.0	6/2/2012
Sulfate	EPA 300.0	290	mg/L	15	6/2/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/2/2012
Nitrite Nitrogen	EPA 300.0	0.75	mg/L	0.30	6/2/2012
Aluminum	EPA 200.7	0.21	mg/L	0.045	6/5/2012
Barium	EPA 200.7	0.015	mg/L	0.010	6/5/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/5/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Boron	EPA 200.7	0.14	mg/L	0.10	6/5/2012
Cadmium	EPA 200.7	0.042	mg/L	0.0010	6/5/2012
Calcium	EPA 200.7	3.4	mg/L	0.50	6/5/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/5/2012
Cobalt	EPA 200.7	0.19	mg/L	0.010	6/5/2012
Copper	EPA 200.7	6.4	mg/L	0.050	6/5/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Iron	EPA 200.7	4.2	mg/L	0.010	6/5/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/5/2012
Manganese	EPA 200.7	0.020	mg/L	0.0050	6/5/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/5/2012
Nickel	EPA 200.7	0.038	mg/L	0.010	6/5/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/5/2012
Potassium	EPA 200.7	13	mg/L	0.50	6/5/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/5/2012
Sodium	EPA 200.7	900	mg/L	5.0	6/5/2012
Strontium	EPA 200.7	0.18	mg/L	0.10	6/5/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Vanadium	EPA 200.7	0.20	mg/L	0.010	6/5/2012
Zinc	EPA 200.7	9.2	mg/L	0.010	6/5/2012
Mercury	EPA 200.8	0.0075	mg/L	0.0020	6/5/2012
Antimony	EPA 200.8	0.89	mg/L	0.020	6/5/2012
Arsenic	EPA 200.8	11	mg/L	0.10	6/5/2012
Lead	EPA 200.8	0.032	mg/L	0.020	6/5/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/5/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/5/2012

Customer Sample ID: 63521 Y
WETLAB Sample ID: 1206013-015

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	100	mg/L	10	6/2/2012
Fluoride	EPA 300.0	3.2	mg/L	1.0	6/2/2012
Sulfate	EPA 300.0	260	mg/L	15	6/2/2012
Nitrate Nitrogen	EPA 300.0	2.8	mg/L	1.0	6/2/2012
Nitrite Nitrogen	EPA 300.0	1.2	mg/L	0.30	6/2/2012
Aluminum	EPA 200.7	0.050	mg/L	0.045	6/5/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/5/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/5/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Boron	EPA 200.7	0.11	mg/L	0.10	6/5/2012
Cadmium	EPA 200.7	0.017	mg/L	0.0010	6/5/2012
Calcium	EPA 200.7	5.8	mg/L	0.50	6/5/2012
Chromium	EPA 200.7	0.0072	mg/L	0.0050	6/5/2012
Cobalt	EPA 200.7	0.12	mg/L	0.010	6/5/2012
Copper	EPA 200.7	5.6	mg/L	0.050	6/5/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Iron	EPA 200.7	3.0	mg/L	0.010	6/5/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Magnesium	EPA 200.7	0.66	mg/L	0.50	6/5/2012
Manganese	EPA 200.7	0.39	mg/L	0.0050	6/5/2012
Molybdenum	EPA 200.7	0.080	mg/L	0.010	6/5/2012
Nickel	EPA 200.7	0.15	mg/L	0.010	6/5/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/5/2012
Potassium	EPA 200.7	9.4	mg/L	0.50	6/5/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/5/2012
Sodium	EPA 200.7	710	mg/L	0.50	6/5/2012
Strontium	EPA 200.7	0.20	mg/L	0.10	6/5/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	6/5/2012
Zinc	EPA 200.7	6.6	mg/L	0.010	6/5/2012
Mercury	EPA 200.8	0.0038	mg/L	0.0010	6/5/2012
Antimony	EPA 200.8	0.49	mg/L	0.010	6/5/2012
Arsenic	EPA 200.8	9.0	mg/L	0.050	6/5/2012
Lead	EPA 200.8	0.010	mg/L	0.010	6/5/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	6/5/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	6/5/2012

Customer Sample ID: 63522 Y
WETLAB Sample ID: 1206013-016

Collect Date/Time: 6/1/2012 12:00

Receive Date: 6/1/2012 13:20

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	440	mg/L	10	6/2/2012
Fluoride	EPA 300.0	2.7	mg/L	1.0	6/2/2012
Sulfate	EPA 300.0	250	mg/L	15	6/2/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/2/2012
Nitrite Nitrogen	EPA 300.0	2.5	mg/L	0.30	6/2/2012
Aluminum	EPA 200.7	<0.45	mg/L	0.45	6/5/2012
Barium	EPA 200.7	0.011	mg/L	0.010	6/5/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/5/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Boron	EPA 200.7	0.28	mg/L	0.10	6/5/2012
Cadmium	EPA 200.7	0.019	mg/L	0.0010	6/5/2012
Calcium	EPA 200.7	4.6	mg/L	0.50	6/5/2012
Chromium	EPA 200.7	0.0051	mg/L	0.0050	6/5/2012
Cobalt	EPA 200.7	0.13	mg/L	0.010	6/5/2012
Copper	EPA 200.7	4.3	mg/L	0.050	6/5/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Iron	EPA 200.7	4.1	mg/L	0.010	6/5/2012
Lithium	EPA 200.7	0.11	mg/L	0.10	6/5/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/5/2012
Manganese	EPA 200.7	0.12	mg/L	0.0050	6/5/2012
Molybdenum	EPA 200.7	0.077	mg/L	0.010	6/5/2012
Nickel	EPA 200.7	0.051	mg/L	0.010	6/5/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/5/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/5/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/5/2012
Sodium	EPA 200.7	880	mg/L	5.0	6/5/2012
Strontium	EPA 200.7	0.21	mg/L	0.10	6/5/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/5/2012
Vanadium	EPA 200.7	0.13	mg/L	0.010	6/5/2012
Zinc	EPA 200.7	9.1	mg/L	0.010	6/5/2012
Mercury	EPA 200.8	0.0038	mg/L	0.0010	6/5/2012
Antimony	EPA 200.8	0.44	mg/L	0.010	6/5/2012
Arsenic	EPA 200.8	7.3	mg/L	0.050	6/5/2012
Lead	EPA 200.8	0.016	mg/L	0.010	6/5/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	6/5/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	6/5/2012

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12060072	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12060072	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12060072	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12060073	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12060073	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12060073	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12060074	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12060074	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12060074	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12060075	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12060075	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12060075	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12060077	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12060077	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12060077	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12060092	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12060093	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12060149	Blank 1	Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
QC12060150	Blank 1	Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
		Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12060072	LCS 1	Fluoride	EPA 300.0	1.87	2.00	93	mg/L
QC12060073	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12060074	LCS 1	Nitrite Nitrogen	EPA 300.0	0.482	0.500	96	mg/L
QC12060075	LCS 1	Nitrate Nitrogen	EPA 300.0	1.99	2.00	99	mg/L
QC12060077	LCS 1	Sulfate	EPA 300.0	24.4	25.0	97	mg/L
QC12060092	LCS 1	Aluminum	EPA 200.7	1.02	1.00	102	mg/L
		Barium	EPA 200.7	1.01	1.00	101	mg/L
		Beryllium	EPA 200.7	1.00	1.00	100	mg/L
		Bismuth	EPA 200.7	1.02	1.00	102	mg/L
		Boron	EPA 200.7	0.951	1.00	95	mg/L
		Cadmium	EPA 200.7	1.01	1.00	101	mg/L
		Calcium	EPA 200.7	9.63	10.0	96	mg/L
		Chromium	EPA 200.7	0.992	1.00	99	mg/L
		Cobalt	EPA 200.7	0.999	1.00	100	mg/L
		Copper	EPA 200.7	4.97	5.00	99	mg/L
		Gallium	EPA 200.7	1.03	1.00	103	mg/L
		Iron	EPA 200.7	0.962	1.00	96	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12060093	LCS 1	Lithium	EPA 200.7	0.952	1.00	95	mg/L
		Magnesium	EPA 200.7	9.23	10.0	92	mg/L
		Manganese	EPA 200.7	0.988	1.00	99	mg/L
		Molybdenum	EPA 200.7	0.999	1.00	100	mg/L
		Nickel	EPA 200.7	4.99	5.00	100	mg/L
		Phosphorus	EPA 200.7	4.85	5.00	97	mg/L
		Potassium	EPA 200.7	9.76	10.0	98	mg/L
		Scandium	EPA 200.7	0.990	1.00	99	mg/L
		Silver	EPA 200.7	0.091	0.090	101	mg/L
		Sodium	EPA 200.7	10.5	10.0	105	mg/L
		Strontium	EPA 200.7	1.07	1.00	107	mg/L
		Tin	EPA 200.7	0.930	1.00	93	mg/L
		Titanium	EPA 200.7	0.941	1.00	94	mg/L
		Vanadium	EPA 200.7	1.01	1.00	101	mg/L
		Zinc	EPA 200.7	0.998	1.00	100	mg/L
		Aluminum	EPA 200.7	1.02	1.00	102	mg/L
		Barium	EPA 200.7	1.01	1.00	101	mg/L
		Beryllium	EPA 200.7	1.00	1.00	100	mg/L
		Bismuth	EPA 200.7	1.02	1.00	102	mg/L
		Boron	EPA 200.7	0.951	1.00	95	mg/L
		Cadmium	EPA 200.7	1.01	1.00	101	mg/L
		Calcium	EPA 200.7	9.63	10.0	96	mg/L
		Chromium	EPA 200.7	0.992	1.00	99	mg/L
		Cobalt	EPA 200.7	0.999	1.00	100	mg/L
		Copper	EPA 200.7	4.97	5.00	99	mg/L
		Gallium	EPA 200.7	1.03	1.00	103	mg/L
		Iron	EPA 200.7	0.962	1.00	96	mg/L
		Lithium	EPA 200.7	0.952	1.00	95	mg/L
		Magnesium	EPA 200.7	9.23	10.0	92	mg/L
		Manganese	EPA 200.7	0.988	1.00	99	mg/L
		Molybdenum	EPA 200.7	0.999	1.00	100	mg/L
		Nickel	EPA 200.7	4.99	5.00	100	mg/L
		Phosphorus	EPA 200.7	4.85	5.00	97	mg/L
		Potassium	EPA 200.7	9.76	10.0	98	mg/L
		Scandium	EPA 200.7	0.990	1.00	99	mg/L
		Silver	EPA 200.7	0.091	0.090	101	mg/L
		Sodium	EPA 200.7	10.5	10.0	105	mg/L
		Strontium	EPA 200.7	1.07	1.00	107	mg/L
		Tin	EPA 200.7	0.930	1.00	93	mg/L
		Titanium	EPA 200.7	0.941	1.00	94	mg/L
		Vanadium	EPA 200.7	1.01	1.00	101	mg/L
		Zinc	EPA 200.7	0.998	1.00	100	mg/L
QC12060149	LCS 1	Mercury	EPA 200.8	0.000888	0.001	89	mg/L
		Antimony	EPA 200.8	0.0097	0.010	97	mg/L
		Arsenic	EPA 200.8	0.0474	0.050	95	mg/L
		Lead	EPA 200.8	0.0096	0.010	96	mg/L
		Selenium	EPA 200.8	0.0428	0.050	86	mg/L
QC12060150	LCS 1	Thallium	EPA 200.8	0.0093	0.010	93	mg/L
		Mercury	EPA 200.8	0.000888	0.001	89	mg/L
		Antimony	EPA 200.8	0.0097	0.010	97	mg/L
		Arsenic	EPA 200.8	0.0474	0.050	95	mg/L
		Lead	EPA 200.8	0.0096	0.010	96	mg/L
		Selenium	EPA 200.8	0.0428	0.050	86	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units					
		Thallium	EPA 200.8	0.0093	0.010	93	mg/L					
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12060072	MS 1	Fluoride	EPA 300.0	1206010-001	0.172	2.14	2.14	2.00	mg/L	99	98	<1%
QC12060072	MS 2	Fluoride	EPA 300.0	1206013-009	3.72	22.7	22.6	2.00	mg/L	95	94	<1%
QC12060073	MS 1	Chloride	EPA 300.0	1206010-001	1.27	6.48	6.45	5.00	mg/L	104	104	<1%
QC12060073	MS 2	Chloride	EPA 300.0	1206013-009	26.3	78.2	78.6	5.00	mg/L	104	104	1 %
QC12060074	MS 1	Nitrite Nitrogen	EPA 300.0	1206010-001	<0.030	0.517	0.514	0.500	mg/L	102	101	1 %
QC12060074	MS 2	Nitrite Nitrogen	EPA 300.0	1206013-009	0.698	5.52	5.38	0.500	mg/L	96	94	3 %
QC12060075	MS 1	Nitrate Nitrogen	EPA 300.0	1206010-001	<1.000	2.44	2.42	2.00	mg/L	104	103	1 %
QC12060075	MS 2	Nitrate Nitrogen	EPA 300.0	1206013-009	<1.000	19.8	19.5	2.00	mg/L	97	95	2 %
QC12060077	MS 1	Sulfate	EPA 300.0	1206010-001	3.70	13.9	13.8	10.0	mg/L	102	101	1 %
QC12060077	MS 2	Sulfate	EPA 300.0	1206013-009	232	327	328	10.0	mg/L	95	96	<1%
QC12060092	MS 1	Aluminum	EPA 200.7	1205609-001	0.502	1.59	1.58	1.00	mg/L	109	108	1 %
		Barium	EPA 200.7	1205609-001	0.216	1.17	1.17	1.00	mg/L	95	95	<1%
		Beryllium	EPA 200.7	1205609-001	<0.001	0.995	0.996	1.00	mg/L	99	100	<1%
		Bismuth	EPA 200.7	1205609-001	<0.100	0.972	0.967	1.00	mg/L	98	98	1 %
		Boron	EPA 200.7	1205609-001	<0.100	1.01	1.01	1.00	mg/L	96	96	<1%
		Cadmium	EPA 200.7	1205609-001	0.003	0.981	0.994	1.00	mg/L	98	99	1 %
		Calcium	EPA 200.7	1205609-001	36.7	47.0	47.2	10.0	mg/L	103	105	<1%
		Chromium	EPA 200.7	1205609-001	<0.005	0.956	0.961	1.00	mg/L	95	96	1 %
		Cobalt	EPA 200.7	1205609-001	0.017	0.985	0.995	1.00	mg/L	97	98	1 %
		Copper	EPA 200.7	1205609-001	0.534	5.50	5.47	5.00	mg/L	99	99	1 %
		Gallium	EPA 200.7	1205609-001	<0.100	1.00	0.996	1.00	mg/L	100	100	<1%
		Iron	EPA 200.7	1205609-001	0.596	1.59	1.60	1.00	mg/L	99	100	1 %
		Lithium	EPA 200.7	1205609-001	<0.100	0.954	0.957	1.00	mg/L	95	95	<1%
		Magnesium	EPA 200.7	1205609-001	7.06	16.7	16.8	10.0	mg/L	96	97	1 %
		Manganese	EPA 200.7	1205609-001	0.064	1.01	1.02	1.00	mg/L	95	96	1 %
		Molybdenum	EPA 200.7	1205609-001	0.045	1.03	1.03	1.00	mg/L	99	99	<1%
		Nickel	EPA 200.7	1205609-001	0.010	4.84	4.88	5.00	mg/L	97	97	1 %
		Phosphorus	EPA 200.7	1205609-001	<0.500	5.32	5.39	5.00	mg/L	100	102	1 %
		Potassium	EPA 200.7	1205609-001	52.1	63.2	62.9	10.0	mg/L	111	108	<1%
		Scandium	EPA 200.7	1205609-001	<0.100	0.963	0.956	1.00	mg/L	96	96	1 %
		Silver	EPA 200.7	1205609-001	0.007	0.096	0.095	0.090	mg/L	99	98	1 %
		Sodium	EPA 200.7	1205609-001	125	136	133	10.0	mg/L	110	80	2 %
		Strontium	EPA 200.7	1205609-001	0.178	1.23	1.19	1.00	mg/L	105	101	3 %
		Tin	EPA 200.7	1205609-001	<0.100	0.968	0.977	1.00	mg/L	94	95	1 %
		Titanium	EPA 200.7	1205609-001	<0.100	0.964	0.961	1.00	mg/L	96	96	<1%
		Vanadium	EPA 200.7	1205609-001	0.023	1.00	1.00	1.00	mg/L	98	98	<1%
		Zinc	EPA 200.7	1205609-001	0.231	1.23	1.25	1.00	mg/L	100	102	2 %
QC12060093	MS 1	Aluminum	EPA 200.7	1205506-001	<0.045	0.987	0.983	1.00	mg/L	95	94	<1%
		Barium	EPA 200.7	1205506-001	<0.010	0.957	0.956	1.00	mg/L	95	95	<1%
		Beryllium	EPA 200.7	1205506-001	<0.001	0.956	0.945	1.00	mg/L	96	94	1 %
		Bismuth	EPA 200.7	1205506-001	<0.100	0.965	0.966	1.00	mg/L	95	95	<1%
		Boron	EPA 200.7	1205506-001	<0.100	0.919	0.914	1.00	mg/L	92	91	1 %
		Cadmium	EPA 200.7	1205506-001	<0.001	0.949	0.948	1.00	mg/L	95	95	<1%
		Calcium	EPA 200.7	1205506-001	6.18	16.0	16.4	10.0	mg/L	98	102	2 %
		Chromium	EPA 200.7	1205506-001	<0.005	0.947	0.944	1.00	mg/L	95	94	<1%
		Cobalt	EPA 200.7	1205506-001	<0.010	0.958	0.957	1.00	mg/L	96	96	<1%
		Copper	EPA 200.7	1205506-001	<0.050	4.86	4.87	5.00	mg/L	97	97	<1%
		Gallium	EPA 200.7	1205506-001	<0.100	0.959	0.956	1.00	mg/L	96	96	<1%
		Iron	EPA 200.7	1205506-001	<0.050	0.998	1.01	1.00	mg/L	98	99	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12060149	MS 1	Lithium	EPA 200.7	1205506-001	<0.100	0.978	0.998	1.00	mg/L	98	100	2 %
		Magnesium	EPA 200.7	1205506-001	3.68	13.4	13.7	10.0	mg/L	97	100	2 %
		Manganese	EPA 200.7	1205506-001	<0.005	0.954	0.953	1.00	mg/L	95	95	<1%
		Molybdenum	EPA 200.7	1205506-001	0.014	0.960	0.952	1.00	mg/L	95	94	1 %
		Nickel	EPA 200.7	1205506-001	<0.010	4.77	4.77	5.00	mg/L	95	95	<1%
		Phosphorus	EPA 200.7	1205506-001	<0.500	4.82	4.79	5.00	mg/L	95	94	1 %
		Potassium	EPA 200.7	1205506-001	5.16	14.9	15.4	10.0	mg/L	97	102	3 %
		Scandium	EPA 200.7	1205506-001	<0.100	0.951	0.945	1.00	mg/L	95	95	1 %
		Silver	EPA 200.7	1205506-001	<0.005	0.086	0.085	0.090	mg/L	96	96	1 %
		Sodium	EPA 200.7	1205506-001	13.8	23.2	24.2	10.0	mg/L	94	104	4 %
		Strontium	EPA 200.7	1205506-001	<0.100	1.07	1.09	1.00	mg/L	98	100	2 %
		Tin	EPA 200.7	1205506-001	<0.100	0.940	0.933	1.00	mg/L	94	94	1 %
		Titanium	EPA 200.7	1205506-001	<0.100	0.986	1.00	1.00	mg/L	98	100	1 %
		Vanadium	EPA 200.7	1205506-001	<0.010	0.960	0.957	1.00	mg/L	95	95	<1%
		Zinc	EPA 200.7	1205506-001	<0.010	0.973	0.974	1.00	mg/L	97	97	<1%
	MS 1	Mercury	EPA 200.8	1205609-001	0.000335	0.001336	0.001294	0.001	mg/L	100	96	3 %
		Antimony	EPA 200.8	1205609-001	0.0303	0.0393	0.0387	0.010	mg/L	90	84	2 %
		Arsenic	EPA 200.8	1205609-001	0.1803	0.2327	0.2321	0.050	mg/L	105	104	<1%
		Lead	EPA 200.8	1205609-001	0.0068	0.0161	0.0158	0.010	mg/L	93	91	2 %
		Selenium	EPA 200.8	1205609-001	0.0138	0.0596	0.0570	0.050	mg/L	92	86	4 %
		Thallium	EPA 200.8	1205609-001	<0.0010	0.0098	0.0094	0.010	mg/L	89	84	4 %
		Mercury	EPA 200.8	1205506-002	<0.00010	0.000885	0.000936	0.001	mg/L	88	94	6 %
QC12060150	MS 1	Antimony	EPA 200.8	1205506-002	<0.0025	0.0098	0.0096	0.010	mg/L	87	84	2 %
		Arsenic	EPA 200.8	1205506-002	0.0139	0.0507	0.0491	0.050	mg/L	74	70	3 %
		Lead	EPA 200.8	1205506-002	<0.0025	0.0101	0.0097	0.010	mg/L	101	97	4 %
		Selenium	EPA 200.8	1205506-002	<0.0050	0.0406	0.0387	0.050	mg/L	81	78	5 %
		Thallium	EPA 200.8	1205506-002	0.0020	0.0117	0.0115	0.010	mg/L	97	95	2 %

6/20/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Jim Defilippi

OrderID: 1206174

Dear: Jim Defilippi

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 6/8/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1206174

General Comments

Due to lack of sample volume some analyses were not performed.

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1206174-001 through 016 Nitrate Nitrogen
1206174-001,002,007 through 016 Selenium, Thallium
1206174-003,005,006 Thallium
1206174-004 Aluminum, Thallium

The reporting limits have been adjusted accordingly.

The cation/anion balance for numerous samples was outside WETLAB acceptance criteria; However, there are two unidentified analytes (anions) present in the ion chromatography analysis that may contribute to improve the balance but since it is an unknown analyte we were not able to investigate further. The unidentified analytes are seen in all submitted samples however the cation/anion balances for some samples were considered acceptable.

Data Qualifier Legend

B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
HT -- Sample held beyond the accepted holding time
J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
M -- Reported value is estimated; The sample matrix interfered with the analysis
N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
NC -- Not calculated due to matrix interference
Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Jim Defilippi

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 6/20/2012

OrderID: 1206174

Customer Sample ID: 63515 Z

Collect Date/Time: 6/8/2012 08:00

WETLAB Sample ID: 1206174-001

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.17	pH Units		6/13/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	6/14/2012
Carbonate (CO ₃)	SM 2320B	450	mg/L	1.0	6/14/2012
Hydroxide (OH)	SM 2320B	16	mg/L	1.0	6/14/2012
Total Alkalinity	SM 2320B	800	mg/L as CaCO ₃	1.0	6/14/2012
Chloride	EPA 300.0	29	mg/L	1.0	6/8/2012
Fluoride	EPA 300.0	3.8	mg/L	1.0	6/8/2012
Sulfate	EPA 300.0	220	mg/L	15	6/8/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/8/2012
Nitrite Nitrogen	EPA 300.0	0.85	mg/L	0.30	6/8/2012
Aluminum	EPA 200.7	0.25	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.016	mg/L	0.010	6/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.18	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.044	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	4.8	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	6/14/2012
Copper	EPA 200.7	6.2	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	9.7	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.060	mg/L	0.0050	6/14/2012
Molybdenum	EPA 200.7	0.10	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.066	mg/L	0.010	6/14/2012

Customer Sample ID: 63515 Z
WETLAB Sample ID: 1206174-001

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	800	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.22	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.21	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	8.3	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0081	mg/L	0.0020	6/14/2012
Antimony	EPA 200.8	1.0	mg/L	0.020	6/14/2012
Arsenic	EPA 200.8	12	mg/L	0.10	6/14/2012
Lead	EPA 200.8	0.046	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	21.5	meq/L	0.10	
Cations	Calculation	36.3	meq/L	0.10	
Error	Calculation	26	%	1.0	

Customer Sample ID: 63516 Z
WETLAB Sample ID: 1206174-002

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.26	pH Units		6/13/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Carbonate (CO ₃)	SM 2320B	460	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	1.4	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	760	mg/L as CaCO ₃	1.0	6/15/2012
Chloride	EPA 300.0	25	mg/L	1.0	6/8/2012
Fluoride	EPA 300.0	4.3	mg/L	1.0	6/8/2012
Sulfate	EPA 300.0	300	mg/L	15	6/8/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/8/2012
Nitrite Nitrogen	EPA 300.0	0.89	mg/L	0.30	6/8/2012
Aluminum	EPA 200.7	0.080	mg/L	0.045	6/14/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012

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Customer Sample ID: 63516 Z
WETLAB Sample ID: 1206174-002

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Boron	EPA 200.7	0.18	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.048	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	5.1	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.15	mg/L	0.010	6/14/2012
Copper	EPA 200.7	4.8	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	7.3	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.026	mg/L	0.0050	6/14/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.051	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	920	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.27	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.21	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	10	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0075	mg/L	0.0020	6/14/2012
Antimony	EPA 200.8	1.0	mg/L	0.020	6/14/2012
Arsenic	EPA 200.8	13	mg/L	0.10	6/14/2012
Lead	EPA 200.8	0.020	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	22.6	meq/L	0.10	
Cations	Calculation	41.4	meq/L	0.10	
Error	Calculation	29	%	1.0	

Customer Sample ID: 63517 Z
WETLAB Sample ID: 1206174-003

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.46	pH Units		6/13/2012

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Customer Sample ID: 63517 Z
WETLAB Sample ID: 1206174-003

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Carbonate (CO ₃)	SM 2320B	480	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	30	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	880	mg/L as CaCO ₃	1.0	6/15/2012
Chloride	EPA 300.0	27	mg/L	1.0	6/8/2012
Fluoride	EPA 300.0	4.0	mg/L	1.0	6/8/2012
Sulfate	EPA 300.0	290	mg/L	15	6/8/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/8/2012
Nitrite Nitrogen	EPA 300.0	0.98	mg/L	0.30	6/8/2012
Aluminum	EPA 200.7	0.29	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.012	mg/L	0.010	6/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.17	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.048	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	5.4	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	0.0051	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.24	mg/L	0.010	6/14/2012
Copper	EPA 200.7	7.7	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	11	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.20	mg/L	0.0050	6/14/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.051	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	9.8	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	960	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.27	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	10	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0076	mg/L	0.0020	6/14/2012
Antimony	EPA 200.8	0.99	mg/L	0.020	6/14/2012

Customer Sample ID: 63517 Z
WETLAB Sample ID: 1206174-003

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Arsenic	EPA 200.8	12	mg/L	0.10	6/14/2012
Lead	EPA 200.8	0.035	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	0.10	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	24.8	meq/L	0.10	
Cations	Calculation	43.5	meq/L	0.10	
Error	Calculation	27	%	1.0	

Customer Sample ID: 63518 Z
WETLAB Sample ID: 1206174-004

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.27	pH Units		6/13/2012
Bicarbonate (HCO ₃)	SM 2320B	4.9	mg/L	1.0	6/15/2012
Carbonate (CO ₃)	SM 2320B	430	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	710	mg/L as CaCO ₃	1.0	6/15/2012
Chloride	EPA 300.0	25	mg/L	1.0	6/8/2012
Fluoride	EPA 300.0	4.2	mg/L	1.0	6/8/2012
Sulfate	EPA 300.0	300	mg/L	15	6/8/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/8/2012
Nitrite Nitrogen	EPA 300.0	0.85	mg/L	0.30	6/8/2012
Aluminum	EPA 200.7	<0.20	mg/L	0.20	6/14/2012
Barium	EPA 200.7	0.015	mg/L	0.010	6/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.16	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.044	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	5.0	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.24	mg/L	0.010	6/14/2012
Copper	EPA 200.7	8.4	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	7.8	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.028	mg/L	0.0050	6/14/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/14/2012

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Customer Sample ID: 63518 Z
WETLAB Sample ID: 1206174-004

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nickel	EPA 200.7	0.051	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	930	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.31	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.19	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	9.7	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0095	mg/L	0.0020	6/14/2012
Antimony	EPA 200.8	1.1	mg/L	0.020	6/14/2012
Arsenic	EPA 200.8	12	mg/L	0.10	6/14/2012
Lead	EPA 200.8	0.021	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	0.10	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	21.6	meq/L	0.10	
Cations	Calculation	42.0	meq/L	0.10	
Error	Calculation	32	%	1.0	

Customer Sample ID: 63519 Z
WETLAB Sample ID: 1206174-005

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.30	pH Units		6/13/2012
Bicarbonate (HCO ₃)	SM 2320B	49	mg/L	1.0	6/15/2012
Carbonate (CO ₃)	SM 2320B	440	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	760	mg/L as CaCO ₃	1.0	6/15/2012
Chloride	EPA 300.0	41	mg/L	1.0	6/8/2012
Fluoride	EPA 300.0	4.2	mg/L	1.0	6/8/2012
Sulfate	EPA 300.0	290	mg/L	15	6/8/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/8/2012
Nitrite Nitrogen	EPA 300.0	1.0	mg/L	0.30	6/8/2012
Aluminum	EPA 200.7	0.28	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.014	mg/L	0.010	6/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012

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Customer Sample ID: 63519 Z

Collect Date/Time: 6/8/2012 08:00

WETLAB Sample ID: 1206174-005

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.16	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.039	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	4.4	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.24	mg/L	0.010	6/14/2012
Copper	EPA 200.7	7.5	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	6.0	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.030	mg/L	0.0050	6/14/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.050	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	900	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.22	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	8.8	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0070	mg/L	0.0020	6/14/2012
Antimony	EPA 200.8	1.1	mg/L	0.020	6/14/2012
Arsenic	EPA 200.8	14	mg/L	0.10	6/14/2012
Lead	EPA 200.8	0.035	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	0.11	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	22.9	meq/L	0.10	
Cations	Calculation	40.5	meq/L	0.10	
Error	Calculation	28	%	1.0	

Customer Sample ID: 63520 Z
WETLAB Sample ID: 1206174-006

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.37	pH Units		6/13/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Carbonate (CO ₃)	SM 2320B	540	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	14	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	940	mg/L as CaCO ₃	1.0	6/15/2012
Chloride	EPA 300.0	30	mg/L	1.0	6/8/2012
Fluoride	EPA 300.0	4.0	mg/L	1.0	6/8/2012
Sulfate	EPA 300.0	290	mg/L	15	6/8/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/8/2012
Nitrite Nitrogen	EPA 300.0	0.78	mg/L	0.30	6/8/2012
Aluminum	EPA 200.7	0.48	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.021	mg/L	0.010	6/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.16	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.041	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	4.2	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.22	mg/L	0.010	6/14/2012
Copper	EPA 200.7	7.5	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	5.2	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.071	mg/L	0.0050	6/14/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.046	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	14	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	1000	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.19	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.23	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	9.1	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0078	mg/L	0.0020	6/14/2012

Customer Sample ID: 63520 Z
WETLAB Sample ID: 1206174-006

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony	EPA 200.8	1.1	mg/L	0.020	6/14/2012
Arsenic	EPA 200.8	13	mg/L	0.10	6/14/2012
Lead	EPA 200.8	0.062	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	0.10	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	25.9	meq/L	0.10	
Cations	Calculation	44.9	meq/L	0.10	
Error	Calculation	27	%	1.0	

Customer Sample ID: 63521 Z
WETLAB Sample ID: 1206174-007

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.49	pH Units		6/13/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Carbonate (CO3)	SM 2320B	450	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	43	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	870	mg/L as CaCO3	1.0	6/15/2012
Chloride	EPA 300.0	67	mg/L	1.0	6/8/2012
Fluoride	EPA 300.0	3.1	mg/L	1.0	6/8/2012
Sulfate	EPA 300.0	240	mg/L	15	6/8/2012
Nitrate Nitrogen	EPA 300.0	2.9	mg/L	1.0	6/8/2012
Nitrite Nitrogen	EPA 300.0	1.3	mg/L	0.30	6/8/2012
Aluminum	EPA 200.7	0.16	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.025	mg/L	0.010	6/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.13	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.017	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	7.4	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	0.0094	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.12	mg/L	0.010	6/14/2012
Copper	EPA 200.7	5.1	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	3.3	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.30	mg/L	0.0050	6/14/2012

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Customer Sample ID: 63521 Z
WETLAB Sample ID: 1206174-007

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum	EPA 200.7	0.079	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.21	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	8.4	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	720	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.22	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.18	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	6.6	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0041	mg/L	0.0020	6/14/2012
Antimony	EPA 200.8	0.54	mg/L	0.020	6/14/2012
Arsenic	EPA 200.8	9.3	mg/L	0.10	6/14/2012
Lead	EPA 200.8	0.046	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	24.8	meq/L	0.10	
Cations	Calculation	32.5	meq/L	0.10	
Error	Calculation	13	%	1.0	

Customer Sample ID: 63522 Z
WETLAB Sample ID: 1206174-008

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.53	pH Units		6/13/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Carbonate (CO ₃)	SM 2320B	410	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	36	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	790	mg/L as CaCO ₃	1.0	6/15/2012
Chloride	EPA 300.0	400	mg/L	1.0	6/8/2012
Fluoride	EPA 300.0	2.6	mg/L	1.0	6/8/2012
Sulfate	EPA 300.0	230	mg/L	15	6/8/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/8/2012
Nitrite Nitrogen	EPA 300.0	2.3	mg/L	0.30	6/8/2012
Aluminum	EPA 200.7	0.18	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.023	mg/L	0.010	6/14/2012

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Customer Sample ID: 63522 Z

Collect Date/Time: 6/8/2012 08:00

WETLAB Sample ID: 1206174-008

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.30	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.019	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	38	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	0.0071	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.11	mg/L	0.010	6/14/2012
Copper	EPA 200.7	3.8	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	3.8	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	0.82	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.22	mg/L	0.0050	6/14/2012
Molybdenum	EPA 200.7	0.074	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.063	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	920	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.76	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	8.8	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0045	mg/L	0.0020	6/14/2012
Antimony	EPA 200.8	0.50	mg/L	0.020	6/14/2012
Arsenic	EPA 200.8	7.9	mg/L	0.10	6/14/2012
Lead	EPA 200.8	0.037	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	32.0	meq/L	0.10	
Cations	Calculation	42.9	meq/L	0.10	
Error	Calculation	15	%	1.0	

Customer Sample ID: 63515 AA

Collect Date/Time: 6/8/2012 08:00

WETLAB Sample ID: 1206174-009

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.41	pH Units		6/13/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Carbonate (CO ₃)	SM 2320B	440	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	35	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	840	mg/L as CaCO ₃	1.0	6/15/2012
Chloride	EPA 300.0	28	mg/L	1.0	6/9/2012
Fluoride	EPA 300.0	3.9	mg/L	1.0	6/9/2012
Sulfate	EPA 300.0	230	mg/L	15	6/9/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/9/2012
Nitrite Nitrogen	EPA 300.0	0.76	mg/L	0.30	6/9/2012
Aluminum	EPA 200.7	0.25	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.015	mg/L	0.010	6/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.18	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.045	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	5.4	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.19	mg/L	0.010	6/14/2012
Copper	EPA 200.7	6.2	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	9.7	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.075	mg/L	0.0050	6/14/2012
Molybdenum	EPA 200.7	0.10	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.070	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	820	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.25	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	8.6	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0071	mg/L	0.0020	6/14/2012

Customer Sample ID: 63515 AA
WETLAB Sample ID: 1206174-009

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony	EPA 200.8	1.0	mg/L	0.020	6/14/2012
Arsenic	EPA 200.8	12	mg/L	0.10	6/14/2012
Lead	EPA 200.8	0.041	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	22.5	meq/L	0.10	
Cations	Calculation	37.2	meq/L	0.10	
Error	Calculation	25	%	1.0	

Customer Sample ID: 63516 AA
WETLAB Sample ID: 1206174-010

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.38	pH Units		6/13/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Carbonate (CO ₃)	SM 2320B	420	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	62	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	880	mg/L as CaCO ₃	1.0	6/15/2012
Chloride	EPA 300.0	24	mg/L	1.0	6/9/2012
Fluoride	EPA 300.0	3.9	mg/L	1.0	6/9/2012
Sulfate	EPA 300.0	290	mg/L	15	6/9/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/9/2012
Nitrite Nitrogen	EPA 300.0	0.76	mg/L	0.30	6/9/2012
Aluminum	EPA 200.7	0.25	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.057	mg/L	0.010	6/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.17	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.043	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	5.4	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	0.0055	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.20	mg/L	0.010	6/14/2012
Copper	EPA 200.7	6.0	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	8.7	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.18	mg/L	0.0050	6/14/2012

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Customer Sample ID: 63516 AA
WETLAB Sample ID: 1206174-010

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.052	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	12	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	910	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.28	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.19	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	9.3	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0051	mg/L	0.0020	6/14/2012
Antimony	EPA 200.8	0.93	mg/L	0.020	6/14/2012
Arsenic	EPA 200.8	12	mg/L	0.10	6/14/2012
Lead	EPA 200.8	0.055	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	24.6	meq/L	0.10	
Cations	Calculation	41.1	meq/L	0.10	
Error	Calculation	25	%	1.0	

Customer Sample ID: 63517 AA
WETLAB Sample ID: 1206174-011

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.19	pH Units		6/13/2012
Bicarbonate (HCO ₃)	SM 2320B	34	mg/L	1.0	6/15/2012
Carbonate (CO ₃)	SM 2320B	400	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	700	mg/L as CaCO ₃	1.0	6/15/2012
Chloride	EPA 300.0	27	mg/L	1.0	6/9/2012
Fluoride	EPA 300.0	4.3	mg/L	1.0	6/9/2012
Sulfate	EPA 300.0	290	mg/L	15	6/9/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/9/2012
Nitrite Nitrogen	EPA 300.0	0.76	mg/L	0.30	6/9/2012
Aluminum	EPA 200.7	0.28	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.015	mg/L	0.010	6/14/2012

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Customer Sample ID: 63517 AA
WETLAB Sample ID: 1206174-011

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.17	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.045	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	5.2	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	0.0051	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.24	mg/L	0.010	6/14/2012
Copper	EPA 200.7	6.6	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	10	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.029	mg/L	0.0050	6/14/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.048	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	9.1	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	900	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.22	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.23	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	9.8	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0074	mg/L	0.0020	6/14/2012
Antimony	EPA 200.8	1.0	mg/L	0.020	6/14/2012
Arsenic	EPA 200.8	13	mg/L	0.10	6/14/2012
Lead	EPA 200.8	0.042	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	20.9	meq/L	0.10	
Cations	Calculation	40.7	meq/L	0.10	
Error	Calculation	32	%	1.0	

Customer Sample ID: 63518 AA
WETLAB Sample ID: 1206174-012

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.26	pH Units		6/13/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Carbonate (CO ₃)	SM 2320B	410	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	18	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	730	mg/L as CaCO ₃	1.0	6/15/2012
Chloride	EPA 300.0	26	mg/L	1.0	6/9/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	6/9/2012
Sulfate	EPA 300.0	310	mg/L	15	6/9/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/9/2012
Nitrite Nitrogen	EPA 300.0	0.85	mg/L	0.30	6/9/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.011	mg/L	0.010	6/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.16	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.045	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	4.9	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.24	mg/L	0.010	6/14/2012
Copper	EPA 200.7	7.7	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	7.6	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.031	mg/L	0.0050	6/14/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.046	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	930	mg/L	0.50	6/14/2012
Strontium	EPA 200.7	0.27	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.18	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	10	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0078	mg/L	0.0020	6/14/2012

Customer Sample ID: 63518 AA
WETLAB Sample ID: 1206174-012

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony	EPA 200.8	1.0	mg/L	0.020	6/14/2012
Arsenic	EPA 200.8	12	mg/L	0.10	6/14/2012
Lead	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	22.1	meq/L	0.10	
Cations	Calculation	41.9	meq/L	0.10	
Error	Calculation	31	%	1.0	

Customer Sample ID: 63519 AA
WETLAB Sample ID: 1206174-013

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.25	pH Units		6/13/2012
Bicarbonate (HCO ₃)	SM 2320B	42	mg/L	1.0	6/15/2012
Carbonate (CO ₃)	SM 2320B	440	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	770	mg/L as CaCO ₃	1.0	6/15/2012
Chloride	EPA 300.0	40	mg/L	1.0	6/9/2012
Fluoride	EPA 300.0	4.2	mg/L	1.0	6/9/2012
Sulfate	EPA 300.0	280	mg/L	15	6/9/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/9/2012
Nitrite Nitrogen	EPA 300.0	0.83	mg/L	0.30	6/9/2012
Aluminum	EPA 200.7	0.21	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.017	mg/L	0.010	6/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.16	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.038	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	4.4	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.21	mg/L	0.010	6/14/2012
Copper	EPA 200.7	6.2	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	5.9	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.020	mg/L	0.0050	6/14/2012

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Customer Sample ID: 63519 AA
WETLAB Sample ID: 1206174-013

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum	EPA 200.7	0.16	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.045	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	860	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.20	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	8.8	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0068	mg/L	0.0020	6/14/2012
Antimony	EPA 200.8	1.1	mg/L	0.020	6/14/2012
Arsenic	EPA 200.8	14	mg/L	0.10	6/14/2012
Lead	EPA 200.8	0.045	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	22.5	meq/L	0.10	
Cations	Calculation	38.7	meq/L	0.10	
Error	Calculation	26	%	1.0	

Customer Sample ID: 63520 AA
WETLAB Sample ID: 1206174-014

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.26	pH Units		6/13/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Carbonate (CO ₃)	SM 2320B	530	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	4.1	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	880	mg/L as CaCO ₃	1.0	6/15/2012
Chloride	EPA 300.0	30	mg/L	1.0	6/9/2012
Fluoride	EPA 300.0	3.9	mg/L	1.0	6/9/2012
Sulfate	EPA 300.0	290	mg/L	15	6/9/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/9/2012
Nitrite Nitrogen	EPA 300.0	0.74	mg/L	0.30	6/9/2012
Aluminum	EPA 200.7	0.43	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.021	mg/L	0.010	6/14/2012

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Customer Sample ID: 63520 AA

Collect Date/Time: 6/8/2012 08:00

WETLAB Sample ID: 1206174-014

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.14	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.033	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	4.1	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	6/14/2012
Copper	EPA 200.7	5.3	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	4.5	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.027	mg/L	0.0050	6/14/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.029	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	13	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	960	mg/L	0.50	6/14/2012
Strontium	EPA 200.7	0.18	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	8.1	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0069	mg/L	0.0020	6/14/2012
Antimony	EPA 200.8	1.0	mg/L	0.020	6/14/2012
Arsenic	EPA 200.8	12	mg/L	0.10	6/14/2012
Lead	EPA 200.8	0.066	mg/L	0.020	6/14/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/14/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/14/2012
Anions	Calculation	25.0	meq/L	0.10	
Cations	Calculation	43.0	meq/L	0.10	
Error	Calculation	26	%	1.0	

Customer Sample ID: 63521 AA

Collect Date/Time: 6/8/2012 08:00

WETLAB Sample ID: 1206174-015

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.41	pH Units		6/13/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Carbonate (CO ₃)	SM 2320B	390	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	56	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	820	mg/L as CaCO ₃	1.0	6/15/2012
Chloride	EPA 300.0	63	mg/L	1.0	6/9/2012
Fluoride	EPA 300.0	3.0	mg/L	1.0	6/9/2012
Sulfate	EPA 300.0	230	mg/L	15	6/9/2012
Nitrate Nitrogen	EPA 300.0	2.7	mg/L	1.0	6/9/2012
Nitrite Nitrogen	EPA 300.0	1.2	mg/L	0.30	6/9/2012
Aluminum	EPA 200.7	0.11	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.015	mg/L	0.010	6/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.12	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.018	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	4.0	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	0.0074	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.11	mg/L	0.010	6/14/2012
Copper	EPA 200.7	5.0	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	3.0	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.31	mg/L	0.0050	6/14/2012
Molybdenum	EPA 200.7	0.078	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.19	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	8.0	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	690	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.15	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.17	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	6.5	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0030	mg/L	0.0010	6/14/2012

Customer Sample ID: 63521 AA
WETLAB Sample ID: 1206174-015

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony	EPA 200.8	0.52	mg/L	0.010	6/14/2012
Arsenic	EPA 200.8	9.0	mg/L	0.050	6/14/2012
Lead	EPA 200.8	0.030	mg/L	0.010	6/14/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	6/14/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	6/14/2012
Anions	Calculation	23.2	meq/L	0.10	
Cations	Calculation	31.0	meq/L	0.10	
Error	Calculation	14	%	1.0	

Customer Sample ID: 63522 AA
WETLAB Sample ID: 1206174-016

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.42	pH Units		6/13/2012
Bicarbonate (HCO3)	SM 2320B	<1.0	mg/L	1.0	6/15/2012
Carbonate (CO3)	SM 2320B	400	mg/L	1.0	6/15/2012
Hydroxide (OH)	SM 2320B	26	mg/L	1.0	6/15/2012
Total Alkalinity	SM 2320B	740	mg/L as CaCO3	1.0	6/15/2012
Chloride	EPA 300.0	380	mg/L	1.0	6/9/2012
Fluoride	EPA 300.0	2.6	mg/L	1.0	6/9/2012
Sulfate	EPA 300.0	220	mg/L	15	6/9/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	6/9/2012
Nitrite Nitrogen	EPA 300.0	2.2	mg/L	0.30	6/9/2012
Aluminum	EPA 200.7	0.072	mg/L	0.045	6/14/2012
Barium	EPA 200.7	0.013	mg/L	0.010	6/14/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/14/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Boron	EPA 200.7	0.33	mg/L	0.10	6/14/2012
Cadmium	EPA 200.7	0.019	mg/L	0.0010	6/14/2012
Calcium	EPA 200.7	4.3	mg/L	0.50	6/14/2012
Chromium	EPA 200.7	0.0062	mg/L	0.0050	6/14/2012
Cobalt	EPA 200.7	0.12	mg/L	0.010	6/14/2012
Copper	EPA 200.7	4.2	mg/L	0.050	6/14/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Iron	EPA 200.7	4.0	mg/L	0.010	6/14/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Manganese	EPA 200.7	0.12	mg/L	0.0050	6/14/2012

Customer Sample ID: 63522 AA
WETLAB Sample ID: 1206174-016

Collect Date/Time: 6/8/2012 08:00

Receive Date: 6/8/2012 08:15

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum	EPA 200.7	0.078	mg/L	0.010	6/14/2012
Nickel	EPA 200.7	0.062	mg/L	0.010	6/14/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/14/2012
Potassium	EPA 200.7	9.9	mg/L	0.50	6/14/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/14/2012
Sodium	EPA 200.7	850	mg/L	2.5	6/14/2012
Strontium	EPA 200.7	0.20	mg/L	0.10	6/14/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/14/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	6/14/2012
Zinc	EPA 200.7	8.8	mg/L	0.010	6/14/2012
Mercury	EPA 200.8	0.0033	mg/L	0.0010	6/14/2012
Antimony	EPA 200.8	0.48	mg/L	0.010	6/14/2012
Arsenic	EPA 200.8	7.6	mg/L	0.050	6/14/2012
Lead	EPA 200.8	0.023	mg/L	0.010	6/14/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	6/14/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	6/14/2012
Anions	Calculation	30.3	meq/L	0.10	
Cations	Calculation	38.1	meq/L	0.10	
Error	Calculation	11	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12060297	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12060297	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12060297	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12060302	Blank 1	Chloride	EPA 300.0	<0.10	mg/L
QC12060302	Blank 2	Chloride	EPA 300.0	<0.10	mg/L
QC12060302	Blank 3	Chloride	EPA 300.0	<0.10	mg/L
QC12060305	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12060305	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12060305	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12060310	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12060310	Blank 2	Nitrate Nitrogen	EPA 300.0	0.030	mg/L
QC12060310	Blank 3	Nitrate Nitrogen	EPA 300.0	0.032	mg/L
QC12060313	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12060313	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12060313	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12060471	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
QC12060472	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
QC12060486	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12060496	Blank 1	Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
		Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12060297	LCS 1	Fluoride	EPA 300.0	1.93	2.00	96	mg/L
QC12060302	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC12060305	LCS 1	Nitrite Nitrogen	EPA 300.0	0.496	0.500	99	mg/L
QC12060310	LCS 1	Nitrate Nitrogen	EPA 300.0	1.97	0.500	99	mg/L
QC12060313	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC12060441	LCS 1	pH	SM 4500-H+ B	6.95	7.00	99	pH Units
QC12060471	LCS 1	Mercury	EPA 200.8	0.000951	0.001	95	mg/L
QC12060472	LCS 1	Antimony	EPA 200.8	0.0102	0.010	102	mg/L
		Arsenic	EPA 200.8	0.0520	0.050	104	mg/L
		Lead	EPA 200.8	0.0105	0.010	105	mg/L
		Selenium	EPA 200.8	0.0476	0.050	95	mg/L
		Thallium	EPA 200.8	0.0103	0.010	103	mg/L
		Mercury	EPA 200.8	0.000966	0.001	97	mg/L
		Antimony	EPA 200.8	0.0103	0.010	103	mg/L
		Arsenic	EPA 200.8	0.0521	0.050	104	mg/L
		Lead	EPA 200.8	0.0101	0.010	101	mg/L
		Selenium	EPA 200.8	0.0501	0.050	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12060486	LCS 1	Thallium	EPA 200.8	0.0098	0.010	98	mg/L
		Aluminum	EPA 200.7	1.01	1.00	101	mg/L
		Barium	EPA 200.7	0.974	1.00	97	mg/L
		Beryllium	EPA 200.7	0.977	1.00	98	mg/L
		Bismuth	EPA 200.7	1.00	1.00	100	mg/L
		Boron	EPA 200.7	0.920	1.00	92	mg/L
		Cadmium	EPA 200.7	0.958	1.00	96	mg/L
		Calcium	EPA 200.7	9.76	10.0	98	mg/L
		Chromium	EPA 200.7	0.963	1.00	96	mg/L
		Cobalt	EPA 200.7	0.962	1.00	96	mg/L
		Copper	EPA 200.7	4.91	5.00	98	mg/L
		Gallium	EPA 200.7	0.996	1.00	100	mg/L
		Iron	EPA 200.7	0.993	1.00	99	mg/L
		Lithium	EPA 200.7	0.978	1.00	98	mg/L
		Magnesium	EPA 200.7	9.55	10.0	96	mg/L
		Manganese	EPA 200.7	0.966	1.00	97	mg/L
		Molybdenum	EPA 200.7	0.965	1.00	96	mg/L
		Nickel	EPA 200.7	4.82	5.00	96	mg/L
		Phosphorus	EPA 200.7	4.74	5.00	95	mg/L
		Potassium	EPA 200.7	10.0	10.0	100	mg/L
		Scandium	EPA 200.7	0.986	1.00	99	mg/L
		Silver	EPA 200.7	0.089	0.090	99	mg/L
		Sodium	EPA 200.7	10.4	10.0	104	mg/L
		Strontium	EPA 200.7	1.08	1.00	108	mg/L
		Tin	EPA 200.7	0.929	1.00	93	mg/L
		Titanium	EPA 200.7	1.00	1.00	100	mg/L
		Vanadium	EPA 200.7	0.975	1.00	98	mg/L
		Zinc	EPA 200.7	0.957	1.00	96	mg/L
QC12060494	LCS 1	Alkalinity	SM 2320B	108	100	108	mg/L
QC12060496	LCS 1	Aluminum	EPA 200.7	0.978	1.00	98	mg/L
		Barium	EPA 200.7	0.962	1.00	96	mg/L
		Beryllium	EPA 200.7	0.962	1.00	96	mg/L
		Bismuth	EPA 200.7	0.980	1.00	98	mg/L
		Boron	EPA 200.7	0.921	1.00	92	mg/L
		Cadmium	EPA 200.7	0.953	1.00	95	mg/L
		Calcium	EPA 200.7	9.63	10.0	96	mg/L
		Chromium	EPA 200.7	0.949	1.00	95	mg/L
		Cobalt	EPA 200.7	0.951	1.00	95	mg/L
		Copper	EPA 200.7	4.79	5.00	96	mg/L
		Gallium	EPA 200.7	0.967	1.00	97	mg/L
		Iron	EPA 200.7	0.981	1.00	98	mg/L
		Lithium	EPA 200.7	0.970	1.00	97	mg/L
		Magnesium	EPA 200.7	9.53	10.0	95	mg/L
		Manganese	EPA 200.7	0.948	1.00	95	mg/L
		Molybdenum	EPA 200.7	0.971	1.00	97	mg/L
		Nickel	EPA 200.7	4.77	5.00	95	mg/L
		Phosphorus	EPA 200.7	4.67	5.00	93	mg/L
		Potassium	EPA 200.7	9.80	10.0	98	mg/L
		Scandium	EPA 200.7	0.965	1.00	96	mg/L
		Silver	EPA 200.7	0.087	0.090	97	mg/L
		Sodium	EPA 200.7	10.2	10.0	102	mg/L
		Strontium	EPA 200.7	1.05	1.00	105	mg/L
		Tin	EPA 200.7	0.941	1.00	94	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units					
QC12060545	LCS 1	Titanium	EPA 200.7	0.999	1.00	100	mg/L					
		Vanadium	EPA 200.7	0.958	1.00	96	mg/L					
		Zinc	EPA 200.7	0.945	1.00	94	mg/L					
		Alkalinity	SM 2320B	107	100	107	mg/L					
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD				
QC12060441	Duplicate	pH	SM 4500-H+ B	1206174-002	10.3	10.2	pH Units	<1%				
QC12060441	Duplicate	pH	SM 4500-H+ B	1206174-012	10.3	10.3	pH Units	<1%				
QC12060494	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206294-001	102	87.8	mg/L	15 %				
		Carbonate (CO3)	SM 2320B	1206294-001	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1206294-001	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1206294-001	84.0	72.0	mg/L as CaCO3	15 %				
QC12060545	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206294-003	215	180	mg/L	17 %				
		Carbonate (CO3)	SM 2320B	1206294-003	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1206294-003	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1206294-003	176	148	mg/L as CaCO3	17 %				
QC12060545	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206294-006	242	220	mg/L	10 %				
		Carbonate (CO3)	SM 2320B	1206294-006	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1206294-006	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1206294-006	198	180	mg/L as CaCO3	10 %				
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12060297	MS 1	Fluoride	EPA 300.0	1206162-006	<0.100	2.04	2.06	2.00	mg/L	99	100	1 %
QC12060297	MS 2	Fluoride	EPA 300.0	1206174-011	4.34	23.0	22.7	2.00	mg/L	93	92	1 %
QC12060302	MS 1	Chloride	EPA 300.0	1206174-001	28.9	81.3	81.3	5.00	mg/L	105	105	<1%
QC12060302	MS 2	Chloride	EPA 300.0	1206174-011	27.1	79.9	79.5	5.00	mg/L	106	105	1 %
QC12060305	MS 1	Nitrite Nitrogen	EPA 300.0	1206162-006	<0.030	0.548	0.561	0.500	mg/L	104	107	2 %
QC12060305	MS 2	Nitrite Nitrogen	EPA 300.0	1206174-011	0.759	5.56	5.48	0.500	mg/L	96	94	1 %
QC12060310	MS 1	Nitrate Nitrogen	EPA 300.0	1206174-001	<1.000	20.9	20.8	0.500	mg/L	102	101	<1%
QC12060310	MS 2	Nitrate Nitrogen	EPA 300.0	1206174-011	<1.000		NA	0.500	mg/L	NC	NA	NA
QC12060313	MS 1	Sulfate	EPA 300.0	1206162-006	<1.500	11.1	11.3	10.0	mg/L	101	104	2 %
QC12060313	MS 2	Sulfate	EPA 300.0	1206174-011	287	386	384	10.0	mg/L	98	97	1 %
QC12060471	MS 1	Mercury	EPA 200.8	1206152-001	<0.00010	0.000967	0.001020	0.001	mg/L	94	100	5 %
		Antimony	EPA 200.8	1206152-001	<0.0025	0.0102	0.0100	0.010	mg/L	96	94	2 %
		Arsenic	EPA 200.8	1206152-001	0.0200	0.0765	0.0759	0.050	mg/L	113	112	1 %
		Lead	EPA 200.8	1206152-001	<0.0025	0.0106	0.0106	0.010	mg/L	96	97	<1%
		Selenium	EPA 200.8	1206152-001	0.0104	0.0588	0.0585	0.050	mg/L	97	96	1 %
		Thallium	EPA 200.8	1206152-001	<0.0010	0.0094	0.0096	0.010	mg/L	94	96	2 %
QC12060472	MS 1	Mercury	EPA 200.8	1206152-002	<0.00010	0.000880	0.000913	0.001	mg/L	88	91	4 %
		Antimony	EPA 200.8	1206152-002	<0.0025	0.0106	0.0107	0.010	mg/L	104	105	1 %
		Arsenic	EPA 200.8	1206152-002	<0.0050	0.0598	0.0598	0.050	mg/L	110	110	<1%
		Lead	EPA 200.8	1206152-002	<0.0025	0.0098	0.0098	0.010	mg/L	98	98	<1%
		Selenium	EPA 200.8	1206152-002	<0.0050	0.0532	0.0531	0.050	mg/L	98	98	<1%
		Thallium	EPA 200.8	1206152-002	<0.0010	0.0095	0.0096	0.010	mg/L	95	96	1 %
QC12060486	MS 1	Aluminum	EPA 200.7	1206152-001	1.91	M 5.01	5.21	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1206152-001	0.038	1.02	1.02	1.00	mg/L	98	98	<1%
		Beryllium	EPA 200.7	1206152-001	<0.001	1.01	1.00	1.00	mg/L	101	100	1 %
		Bismuth	EPA 200.7	1206152-001	<0.100	0.942	0.950	1.00	mg/L	96	97	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12060496	MS 1	Boron	EPA 200.7	1206152-001	0.577	1.62	1.63	1.00	mg/L	104	105	1 %
		Cadmium	EPA 200.7	1206152-001	<0.001	0.963	0.953	1.00	mg/L	96	95	1 %
		Calcium	EPA 200.7	1206152-001	111	122	123	10.0	mg/L	110	120	1 %
		Chromium	EPA 200.7	1206152-001	<0.005	0.960	0.956	1.00	mg/L	96	95	<1%
		Cobalt	EPA 200.7	1206152-001	<0.010	0.953	0.947	1.00	mg/L	95	94	1 %
		Copper	EPA 200.7	1206152-001	<0.050	4.95	4.96	5.00	mg/L	99	99	<1%
		Gallium	EPA 200.7	1206152-001	<0.100	0.910	0.912	1.00	mg/L	91	91	<1%
		Iron	EPA 200.7	1206152-001	2.17	M 3.74	3.72	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1206152-001	<0.100	1.06	1.06	1.00	mg/L	99	99	<1%
		Magnesium	EPA 200.7	1206152-001	34.9	44.6	44.7	10.0	mg/L	97	98	<1%
		Manganese	EPA 200.7	1206152-001	0.049	1.00	0.994	1.00	mg/L	95	95	1 %
		Molybdenum	EPA 200.7	1206152-001	0.010	1.00	1.02	1.00	mg/L	99	101	2 %
		Nickel	EPA 200.7	1206152-001	<0.010	4.74	4.70	5.00	mg/L	95	94	1 %
		Phosphorus	EPA 200.7	1206152-001	<0.500	5.23	5.21	5.00	mg/L	102	102	<1%
		Potassium	EPA 200.7	1206152-001	3.99	15.0	15.1	10.0	mg/L	110	111	1 %
		Scandium	EPA 200.7	1206152-001	<0.100	0.989	0.993	1.00	mg/L	99	99	<1%
		Silver	EPA 200.7	1206152-001	<0.005	0.090	0.090	0.090	mg/L	102	102	<1%
		Sodium	EPA 200.7	1206152-001	279	SC 296	303	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1206152-001	1.15	2.16	2.21	1.00	mg/L	101	106	2 %
		Tin	EPA 200.7	1206152-001	<0.100	0.908	0.909	1.00	mg/L	96	96	<1%
		Titanium	EPA 200.7	1206152-001	<0.100	1.02	1.05	1.00	mg/L	98	101	3 %
		Vanadium	EPA 200.7	1206152-001	0.074	1.07	1.07	1.00	mg/L	100	100	<1%
		Zinc	EPA 200.7	1206152-001	<0.010	0.991	0.978	1.00	mg/L	99	97	1 %
		Aluminum	EPA 200.7	1206152-002	<0.045	0.951	0.947	1.00	mg/L	92	91	<1%
		Barium	EPA 200.7	1206152-002	0.068	1.05	1.05	1.00	mg/L	98	98	<1%
		Beryllium	EPA 200.7	1206152-002	<0.001	1.01	1.01	1.00	mg/L	101	101	<1%
		Bismuth	EPA 200.7	1206152-002	<0.100	0.962	0.960	1.00	mg/L	98	98	<1%
		Boron	EPA 200.7	1206152-002	0.183	1.18	1.19	1.00	mg/L	100	101	1 %
		Cadmium	EPA 200.7	1206152-002	<0.001	0.985	0.990	1.00	mg/L	99	99	1 %
		Calcium	EPA 200.7	1206152-002	101	112	108	10.0	mg/L	110	70	4 %
		Chromium	EPA 200.7	1206152-002	<0.005	0.974	0.980	1.00	mg/L	97	98	1 %
		Cobalt	EPA 200.7	1206152-002	<0.010	0.966	0.966	1.00	mg/L	96	96	<1%
		Copper	EPA 200.7	1206152-002	<0.050	4.94	4.85	5.00	mg/L	99	97	2 %
		Gallium	EPA 200.7	1206152-002	<0.100	0.941	0.944	1.00	mg/L	94	94	<1%
		Iron	EPA 200.7	1206152-002	<0.050	0.995	0.980	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1206152-002	<0.100	0.981	0.964	1.00	mg/L	96	94	2 %
		Magnesium	EPA 200.7	1206152-002	28.9	38.5	38.1	10.0	mg/L	96	92	1 %
		Manganese	EPA 200.7	1206152-002	<0.005	0.931	0.928	1.00	mg/L	96	96	<1%
		Molybdenum	EPA 200.7	1206152-002	<0.010	0.991	0.996	1.00	mg/L	99	99	1 %
		Nickel	EPA 200.7	1206152-002	<0.010	4.81	4.82	5.00	mg/L	96	96	<1%
		Phosphorus	EPA 200.7	1206152-002	<0.500	5.19	5.19	5.00	mg/L	99	99	<1%
		Potassium	EPA 200.7	1206152-002	4.04	14.1	13.9	10.0	mg/L	101	99	1 %
		Scandium	EPA 200.7	1206152-002	<0.100	0.983	0.983	1.00	mg/L	98	98	<1%
		Silver	EPA 200.7	1206152-002	<0.005	0.089	0.089	0.090	mg/L	101	101	<1%
		Sodium	EPA 200.7	1206152-002	81.3	90.7	87.5	10.0	mg/L	94	62	4 %
		Strontium	EPA 200.7	1206152-002	0.689	1.69	1.62	1.00	mg/L	100	93	4 %
		Tin	EPA 200.7	1206152-002	<0.100	0.920	0.936	1.00	mg/L	97	99	2 %
		Titanium	EPA 200.7	1206152-002	<0.100	0.979	0.965	1.00	mg/L	98	96	1 %
		Vanadium	EPA 200.7	1206152-002	0.040	1.03	1.03	1.00	mg/L	99	99	<1%
		Zinc	EPA 200.7	1206152-002	<0.010	0.999	1.01	1.00	mg/L	100	101	1 %

6/25/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Jim Defilippi

OrderID: 1206371

Dear: Jim Defilippi

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 6/18/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1206371

General Comments

None

Specific Comments

The cation/anion balance for numerous samples was outside WETLAB acceptance criteria; However, there are two unidentified analytes (anions) present in the ion chromatography analysis that may contribute to improve the balance but since it is an unknown analyte we were not able to investigate further. The unidentified analytes are seen in all submitted samples however the cation/anion balances for some samples were considered acceptable.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Jim Defilippi

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 6/25/2012

OrderID: 1206371

Customer Sample ID: 63515 BB

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206371-001

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.13	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	150	mg/L	1.0	6/19/2012
Carbonate (CO ₃)	SM 2320B	360	mg/L	1.0	6/19/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/19/2012
Total Alkalinity	SM 2320B	730	mg/L as CaCO ₃	1.0	6/19/2012
Chloride	EPA 300.0	31	mg/L	10	6/18/2012
Fluoride	EPA 300.0	4.0	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	220	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	0.92	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.48	mg/L	0.045	6/20/2012
Barium	EPA 200.7	0.015	mg/L	0.010	6/20/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.20	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.045	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	5.1	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.24	mg/L	0.010	6/20/2012
Copper	EPA 200.7	6.8	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	12	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.029	mg/L	0.0050	6/20/2012
Molybdenum	EPA 200.7	0.11	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.068	mg/L	0.010	6/20/2012

Customer Sample ID: 63515 BB
WETLAB Sample ID: 1206371-001

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	9.4	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	780	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.20	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.24	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	9.0	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0025	mg/L	0.0020	6/21/2012
Antimony	EPA 200.8	1.0	mg/L	0.020	6/21/2012
Arsenic	EPA 200.8	13	mg/L	0.10	6/21/2012
Lead	EPA 200.8	0.063	mg/L	0.020	6/21/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/21/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/21/2012
Anions	Calculation	20.1	meq/L	0.10	
Cations	Calculation	35.6	meq/L	0.10	
Error	Calculation	27.8	%	1.0	

Customer Sample ID: 63515 CC
WETLAB Sample ID: 1206371-002

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.24	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Carbonate (CO ₃)	SM 2320B	440	mg/L	1.0	6/20/2012
Hydroxide (OH)	SM 2320B	4.8	mg/L	1.0	6/20/2012
Total Alkalinity	SM 2320B	750	mg/L as CaCO ₃	1.0	6/20/2012
Chloride	EPA 300.0	34	mg/L	10	6/18/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	210	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	0.82	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.45	mg/L	0.045	6/20/2012
Barium	EPA 200.7	0.024	mg/L	0.010	6/20/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012

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Customer Sample ID: 63515 CC
WETLAB Sample ID: 1206371-002

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Boron	EPA 200.7	0.19	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.043	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	6.1	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.22	mg/L	0.010	6/20/2012
Copper	EPA 200.7	5.8	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	11	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.099	mg/L	0.0050	6/20/2012
Molybdenum	EPA 200.7	0.10	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.056	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	9.3	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	780	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.21	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.23	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	8.8	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0020	mg/L	0.0020	6/21/2012
Antimony	EPA 200.8	0.96	mg/L	0.020	6/21/2012
Arsenic	EPA 200.8	12	mg/L	0.10	6/21/2012
Lead	EPA 200.8	0.057	mg/L	0.020	6/21/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/21/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/21/2012
Anions	Calculation	20.5	meq/L	0.10	
Cations	Calculation	35.6	meq/L	0.10	
Error	Calculation	26.9	%	1.0	

Customer Sample ID: 63516 BB
WETLAB Sample ID: 1206371-003

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.23	pH Units		6/19/2012

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Customer Sample ID: 63516 BB

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206371-003

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Carbonate (CO ₃)	SM 2320B	430	mg/L	1.0	6/20/2012
Hydroxide (OH)	SM 2320B	22	mg/L	1.0	6/20/2012
Total Alkalinity	SM 2320B	780	mg/L as CaCO ₃	1.0	6/20/2012
Chloride	EPA 300.0	23	mg/L	10	6/18/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	250	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	0.76	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.25	mg/L	0.045	6/20/2012
Barium	EPA 200.7	0.017	mg/L	0.010	6/20/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.19	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.048	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	5.2	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	6/20/2012
Copper	EPA 200.7	6.2	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	8.4	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.032	mg/L	0.0050	6/20/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.072	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	800	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.22	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	9.9	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0042	mg/L	0.0020	6/21/2012
Antimony	EPA 200.8	0.89	mg/L	0.020	6/21/2012

Customer Sample ID: 63516 BB
WETLAB Sample ID: 1206371-003

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Arsenic	EPA 200.8	12	mg/L	0.10	6/21/2012
Lead	EPA 200.8	0.042	mg/L	0.020	6/21/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/21/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/21/2012
Anions	Calculation	21.7	meq/L	0.10	
Cations	Calculation	36.3	meq/L	0.10	
Error	Calculation	25.2	%	1.0	

Customer Sample ID: 63516 CC
WETLAB Sample ID: 1206371-004

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.26	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Carbonate (CO ₃)	SM 2320B	460	mg/L	1.0	6/20/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Total Alkalinity	SM 2320B	760	mg/L as CaCO ₃	1.0	6/20/2012
Chloride	EPA 300.0	23	mg/L	10	6/18/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	260	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	0.90	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.29	mg/L	0.045	6/20/2012
Barium	EPA 200.7	0.012	mg/L	0.010	6/20/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.19	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.052	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	5.2	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	6/20/2012
Copper	EPA 200.7	6.1	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	8.5	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.028	mg/L	0.0050	6/20/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/20/2012

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Customer Sample ID: 63516 CC
WETLAB Sample ID: 1206371-004

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nickel	EPA 200.7	0.073	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	900	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.23	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	11	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0036	mg/L	0.0020	6/21/2012
Antimony	EPA 200.8	0.98	mg/L	0.020	6/21/2012
Arsenic	EPA 200.8	14	mg/L	0.10	6/21/2012
Lead	EPA 200.8	0.036	mg/L	0.020	6/21/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/21/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/21/2012
Anions	Calculation	21.6	meq/L	0.10	
Cations	Calculation	40.7	meq/L	0.10	
Error	Calculation	30.6	%	1.0	

Customer Sample ID: 63517 BB
WETLAB Sample ID: 1206371-005

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.10	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	73	mg/L	1.0	6/20/2012
Carbonate (CO ₃)	SM 2320B	460	mg/L	1.0	6/20/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Total Alkalinity	SM 2320B	820	mg/L as CaCO ₃	1.0	6/20/2012
Chloride	EPA 300.0	27	mg/L	10	6/18/2012
Fluoride	EPA 300.0	4.4	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	280	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	0.92	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.48	mg/L	0.045	6/20/2012
Barium	EPA 200.7	0.038	mg/L	0.010	6/20/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012

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Customer Sample ID: 63517 BB

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206371-005

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.19	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.050	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	6.0	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	0.0072	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.30	mg/L	0.010	6/20/2012
Copper	EPA 200.7	6.9	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	12	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.049	mg/L	0.0050	6/20/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.054	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	9.7	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	970	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.21	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.25	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	11	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0036	mg/L	0.0020	6/21/2012
Antimony	EPA 200.8	0.96	mg/L	0.020	6/21/2012
Arsenic	EPA 200.8	13	mg/L	0.10	6/21/2012
Lead	EPA 200.8	0.075	mg/L	0.020	6/21/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/21/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/21/2012
Anions	Calculation	23.4	meq/L	0.10	
Cations	Calculation	44.0	meq/L	0.10	
Error	Calculation	30.7	%	1.0	

Customer Sample ID: 63517 CC

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206371-006

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.13	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	100	mg/L	1.0	6/20/2012
Carbonate (CO ₃)	SM 2320B	440	mg/L	1.0	6/20/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Total Alkalinity	SM 2320B	810	mg/L as CaCO ₃	1.0	6/20/2012
Chloride	EPA 300.0	27	mg/L	10	6/18/2012
Fluoride	EPA 300.0	4.4	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	280	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	0.92	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.49	mg/L	0.045	6/20/2012
Barium	EPA 200.7	0.015	mg/L	0.010	6/20/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.19	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.052	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	5.1	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	0.0052	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.29	mg/L	0.010	6/20/2012
Copper	EPA 200.7	7.0	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	12	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.045	mg/L	0.0050	6/20/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.055	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	9.4	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	990	mg/L	5.0	6/21/2012
Strontium	EPA 200.7	0.21	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.24	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	11	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0045	mg/L	0.0020	6/21/2012

Customer Sample ID: 63517 CC
WETLAB Sample ID: 1206371-006

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony	EPA 200.8	1.0	mg/L	0.020	6/21/2012
Arsenic	EPA 200.8	14	mg/L	0.10	6/21/2012
Lead	EPA 200.8	0.059	mg/L	0.020	6/21/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/21/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/21/2012
Anions	Calculation	23.1	meq/L	0.10	
Cations	Calculation	44.8	meq/L	0.10	
Error	Calculation	31.9	%	1.0	

Customer Sample ID: 63518 BB
WETLAB Sample ID: 1206371-007

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.98	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	110	mg/L	1.0	6/20/2012
Carbonate (CO ₃)	SM 2320B	350	mg/L	1.0	6/20/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Total Alkalinity	SM 2320B	680	mg/L as CaCO ₃	1.0	6/20/2012
Chloride	EPA 300.0	25	mg/L	10	6/18/2012
Fluoride	EPA 300.0	4.2	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	290	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	0.68	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.21	mg/L	0.045	6/20/2012
Barium	EPA 200.7	0.036	mg/L	0.010	6/20/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.17	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.045	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	6.5	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	6/20/2012
Copper	EPA 200.7	7.0	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	8.2	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.042	mg/L	0.0050	6/20/2012

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Customer Sample ID: 63518 BB
WETLAB Sample ID: 1206371-007

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum	EPA 200.7	0.16	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.038	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	920	mg/L	5.0	6/21/2012
Strontium	EPA 200.7	0.26	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.20	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	11	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0036	mg/L	0.0020	6/21/2012
Antimony	EPA 200.8	1.0	mg/L	0.020	6/21/2012
Arsenic	EPA 200.8	13	mg/L	0.10	6/21/2012
Lead	EPA 200.8	0.051	mg/L	0.020	6/21/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/21/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/21/2012
Anions	Calculation	20.4	meq/L	0.10	
Cations	Calculation	41.6	meq/L	0.10	
Error	Calculation	34.2	%	1.0	

Customer Sample ID: 63518 CC
WETLAB Sample ID: 1206371-008

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.07	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	140	mg/L	1.0	6/20/2012
Carbonate (CO ₃)	SM 2320B	330	mg/L	1.0	6/20/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Total Alkalinity	SM 2320B	660	mg/L as CaCO ₃	1.0	6/20/2012
Chloride	EPA 300.0	25	mg/L	10	6/18/2012
Fluoride	EPA 300.0	4.4	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	290	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	0.75	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.21	mg/L	0.045	6/20/2012
Barium	EPA 200.7	0.014	mg/L	0.010	6/20/2012

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Customer Sample ID: 63518 CC

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206371-008

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.19	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.046	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	5.8	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.29	mg/L	0.010	6/20/2012
Copper	EPA 200.7	7.2	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	8.4	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.017	mg/L	0.0050	6/20/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.047	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	920	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.26	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	11	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0024	mg/L	0.0020	6/21/2012
Antimony	EPA 200.8	1.1	mg/L	0.020	6/21/2012
Arsenic	EPA 200.8	15	mg/L	0.10	6/21/2012
Lead	EPA 200.8	0.040	mg/L	0.020	6/21/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/21/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/21/2012
Anions	Calculation	20.3	meq/L	0.10	
Cations	Calculation	41.6	meq/L	0.10	
Error	Calculation	34.5	%	1.0	

Customer Sample ID: 63519 BB

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206371-009

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.16	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	24	mg/L	1.0	6/20/2012
Carbonate (CO ₃)	SM 2320B	490	mg/L	1.0	6/20/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Total Alkalinity	SM 2320B	840	mg/L as CaCO ₃	1.0	6/20/2012
Chloride	EPA 300.0	40	mg/L	10	6/18/2012
Fluoride	EPA 300.0	4.4	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	280	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	0.78	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.37	mg/L	0.045	6/20/2012
Barium	EPA 200.7	0.020	mg/L	0.010	6/20/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.19	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.047	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	5.9	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.25	mg/L	0.010	6/20/2012
Copper	EPA 200.7	6.5	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	6.4	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.087	mg/L	0.0050	6/20/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.055	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	980	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.21	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.24	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	11	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0048	mg/L	0.0020	6/21/2012

Customer Sample ID: 63519 BB
WETLAB Sample ID: 1206371-009

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony	EPA 200.8	1.1	mg/L	0.020	6/21/2012
Arsenic	EPA 200.8	16	mg/L	0.10	6/21/2012
Lead	EPA 200.8	0.053	mg/L	0.020	6/21/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/21/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/21/2012
Anions	Calculation	23.9	meq/L	0.10	
Cations	Calculation	44.1	meq/L	0.10	
Error	Calculation	29.7	%	1.0	

Customer Sample ID: 63519 CC
WETLAB Sample ID: 1206371-010

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.18	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	110	mg/L	1.0	6/20/2012
Carbonate (CO ₃)	SM 2320B	430	mg/L	1.0	6/20/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Total Alkalinity	SM 2320B	800	mg/L as CaCO ₃	1.0	6/20/2012
Chloride	EPA 300.0	40	mg/L	10	6/18/2012
Fluoride	EPA 300.0	4.6	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	280	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	0.88	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.51	mg/L	0.045	6/20/2012
Barium	EPA 200.7	0.019	mg/L	0.010	6/20/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.19	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.047	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	5.5	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.25	mg/L	0.010	6/20/2012
Copper	EPA 200.7	5.6	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	5.6	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.026	mg/L	0.0050	6/20/2012

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Customer Sample ID: 63519 CC
WETLAB Sample ID: 1206371-010

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum	EPA 200.7	0.16	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.056	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	920	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.19	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.24	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	11	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0026	mg/L	0.0020	6/21/2012
Antimony	EPA 200.8	1.0	mg/L	0.020	6/21/2012
Arsenic	EPA 200.8	16	mg/L	0.10	6/21/2012
Lead	EPA 200.8	0.062	mg/L	0.020	6/21/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/21/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/21/2012
Anions	Calculation	23.3	meq/L	0.10	
Cations	Calculation	41.4	meq/L	0.10	
Error	Calculation	27.9	%	1.0	

Customer Sample ID: 63520 BB
WETLAB Sample ID: 1206371-011

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.14	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	180	mg/L	1.0	6/20/2012
Carbonate (CO ₃)	SM 2320B	470	mg/L	1.0	6/20/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Total Alkalinity	SM 2320B	930	mg/L as CaCO ₃	1.0	6/20/2012
Chloride	EPA 300.0	31	mg/L	10	6/18/2012
Fluoride	EPA 300.0	4.2	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	290	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	0.82	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.62	mg/L	0.045	6/20/2012
Barium	EPA 200.7	0.020	mg/L	0.010	6/20/2012

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Customer Sample ID: 63520 BB

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206371-011

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.17	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.040	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	4.9	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	0.0053	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	6/20/2012
Copper	EPA 200.7	6.6	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	5.9	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.026	mg/L	0.0050	6/20/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.043	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	14	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	1000	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.17	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.25	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	9.8	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0036	mg/L	0.0020	6/21/2012
Antimony	EPA 200.8	1.1	mg/L	0.020	6/21/2012
Arsenic	EPA 200.8	14	mg/L	0.10	6/21/2012
Lead	EPA 200.8	0.080	mg/L	0.020	6/21/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/21/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/21/2012
Anions	Calculation	25.7	meq/L	0.10	
Cations	Calculation	45.0	meq/L	0.10	
Error	Calculation	27.2	%	1.0	

Customer Sample ID: 63520 CC

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206371-012

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.12	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	170	mg/L	1.0	6/20/2012
Carbonate (CO ₃)	SM 2320B	490	mg/L	1.0	6/20/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Total Alkalinity	SM 2320B	950	mg/L as CaCO ₃	1.0	6/20/2012
Chloride	EPA 300.0	30	mg/L	10	6/18/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	280	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	0.74	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.67	mg/L	0.045	6/20/2012
Barium	EPA 200.7	0.021	mg/L	0.010	6/20/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.18	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.044	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	4.7	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	6/20/2012
Copper	EPA 200.7	7.3	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	6.1	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.043	mg/L	0.0050	6/20/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.053	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	14	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	1000	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.17	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.26	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	10	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0034	mg/L	0.0020	6/21/2012

Customer Sample ID: 63520 CC
WETLAB Sample ID: 1206371-012

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony	EPA 200.8	1.1	mg/L	0.020	6/21/2012
Arsenic	EPA 200.8	14	mg/L	0.10	6/21/2012
Lead	EPA 200.8	0.084	mg/L	0.020	6/21/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/21/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/21/2012
Anions	Calculation	26.0	meq/L	0.10	
Cations	Calculation	45.0	meq/L	0.10	
Error	Calculation	26.8	%	1.0	

Customer Sample ID: 63521 BB
WETLAB Sample ID: 1206371-013

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.28	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	39	mg/L	1.0	6/20/2012
Carbonate (CO ₃)	SM 2320B	410	mg/L	1.0	6/20/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Total Alkalinity	SM 2320B	720	mg/L as CaCO ₃	1.0	6/20/2012
Chloride	EPA 300.0	60	mg/L	10	6/18/2012
Fluoride	EPA 300.0	3.0	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	210	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	2.4	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	1.1	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.18	mg/L	0.045	6/20/2012
Barium	EPA 200.7	0.011	mg/L	0.010	6/20/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.15	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.021	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	3.6	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	0.0080	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.14	mg/L	0.010	6/20/2012
Copper	EPA 200.7	4.1	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	2.8	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.15	mg/L	0.0050	6/20/2012

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Customer Sample ID: 63521 BB
WETLAB Sample ID: 1206371-013

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum	EPA 200.7	0.080	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.20	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	7.4	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	690	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.13	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	7.4	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	<0.0020	mg/L	0.0020	6/21/2012
Antimony	EPA 200.8	0.54	mg/L	0.020	6/21/2012
Arsenic	EPA 200.8	10	mg/L	0.10	6/21/2012
Lead	EPA 200.8	0.038	mg/L	0.020	6/21/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	6/21/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/21/2012
Anions	Calculation	20.7	meq/L	0.10	
Cations	Calculation	30.9	meq/L	0.10	
Error	Calculation	19.8	%	1.0	

Customer Sample ID: 63521 CC
WETLAB Sample ID: 1206371-014

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.27	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	7.3	mg/L	1.0	6/20/2012
Carbonate (CO ₃)	SM 2320B	430	mg/L	1.0	6/20/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/20/2012
Total Alkalinity	SM 2320B	730	mg/L as CaCO ₃	1.0	6/20/2012
Chloride	EPA 300.0	59	mg/L	10	6/18/2012
Fluoride	EPA 300.0	3.0	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	210	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	2.4	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	1.1	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.20	mg/L	0.045	6/20/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/20/2012

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Customer Sample ID: 63521 CC
WETLAB Sample ID: 1206371-014

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.14	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.019	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	3.3	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	0.0080	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.13	mg/L	0.010	6/20/2012
Copper	EPA 200.7	4.3	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	2.9	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.13	mg/L	0.0050	6/20/2012
Molybdenum	EPA 200.7	0.076	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.18	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	7.3	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	660	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.12	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.21	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	6.8	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0016	mg/L	0.0010	6/21/2012
Antimony	EPA 200.8	0.51	mg/L	0.010	6/21/2012
Arsenic	EPA 200.8	9.9	mg/L	0.50	6/22/2012
Lead	EPA 200.8	0.037	mg/L	0.010	6/21/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	6/21/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	6/21/2012
Anions	Calculation	20.8	meq/L	0.10	
Cations	Calculation	29.6	meq/L	0.10	
Error	Calculation	17.4	%	1.0	

Customer Sample ID: 63522 BB

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206371-015

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.28	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	170	mg/L	1.0	6/21/2012
Carbonate (CO ₃)	SM 2320B	390	mg/L	1.0	6/21/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/21/2012
Total Alkalinity	SM 2320B	780	mg/L as CaCO ₃	1.0	6/21/2012
Chloride	EPA 300.0	400	mg/L	10	6/18/2012
Fluoride	EPA 300.0	2.7	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	240	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	2.9	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.065	mg/L	0.045	6/20/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/20/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.36	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.021	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	4.1	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	0.0079	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.14	mg/L	0.010	6/20/2012
Copper	EPA 200.7	4.4	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	4.3	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.054	mg/L	0.0050	6/20/2012
Molybdenum	EPA 200.7	0.092	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.10	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	10	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	940	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.15	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.18	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	12	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0020	mg/L	0.0010	6/21/2012

Customer Sample ID: 63522 BB
WETLAB Sample ID: 1206371-015

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Antimony	EPA 200.8	0.51	mg/L	0.010	6/21/2012
Arsenic	EPA 200.8	9.5	mg/L	0.050	6/21/2012
Lead	EPA 200.8	0.030	mg/L	0.010	6/21/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	6/21/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	6/21/2012
Anions	Calculation	32.2	meq/L	0.10	
Cations	Calculation	42.1	meq/L	0.10	
Error	Calculation	13.3	%	1.0	

Customer Sample ID: 63522 CC
WETLAB Sample ID: 1206371-016

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.19	pH Units		6/19/2012
Bicarbonate (HCO ₃)	SM 2320B	210	mg/L	1.0	6/21/2012
Carbonate (CO ₃)	SM 2320B	350	mg/L	1.0	6/21/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/21/2012
Total Alkalinity	SM 2320B	750	mg/L as CaCO ₃	1.0	6/21/2012
Chloride	EPA 300.0	430	mg/L	10	6/18/2012
Fluoride	EPA 300.0	2.9	mg/L	1.0	6/18/2012
Sulfate	EPA 300.0	250	mg/L	15	6/18/2012
Nitrate Nitrogen	EPA 300.0	<1.00	mg/L	1.00	6/18/2012
Nitrite Nitrogen	EPA 300.0	3.4	mg/L	0.30	6/18/2012
Aluminum	EPA 200.7	0.086	mg/L	0.045	6/20/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/20/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/20/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Boron	EPA 200.7	0.36	mg/L	0.100	6/20/2012
Cadmium	EPA 200.7	0.021	mg/L	0.0010	6/20/2012
Calcium	EPA 200.7	5.5	mg/L	0.50	6/20/2012
Chromium	EPA 200.7	0.0097	mg/L	0.0050	6/20/2012
Cobalt	EPA 200.7	0.15	mg/L	0.010	6/20/2012
Copper	EPA 200.7	3.7	mg/L	0.050	6/20/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Iron	EPA 200.7	4.6	mg/L	0.010	6/20/2012
Lithium	EPA 200.7	0.10	mg/L	0.10	6/20/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Manganese	EPA 200.7	0.050	mg/L	0.0050	6/20/2012

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Customer Sample ID: 63522 CC

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206371-016

Receive Date: 6/18/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Molybdenum	EPA 200.7	0.099	mg/L	0.010	6/20/2012
Nickel	EPA 200.7	0.12	mg/L	0.010	6/20/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	6/20/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/20/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/20/2012
Sodium	EPA 200.7	1000	mg/L	2.5	6/21/2012
Strontium	EPA 200.7	0.20	mg/L	0.10	6/20/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/20/2012
Vanadium	EPA 200.7	0.20	mg/L	0.010	6/20/2012
Zinc	EPA 200.7	13	mg/L	0.010	6/20/2012
Mercury	EPA 200.8	0.0022	mg/L	0.0010	6/21/2012
Antimony	EPA 200.8	0.55	mg/L	0.010	6/21/2012
Arsenic	EPA 200.8	9.8	mg/L	0.50	6/22/2012
Lead	EPA 200.8	0.030	mg/L	0.010	6/21/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	6/21/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	6/21/2012
Anions	Calculation	32.6	meq/L	0.10	
Cations	Calculation	44.8	meq/L	0.10	
Error	Calculation	15.8	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12060621	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12060621	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12060621	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12060622	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12060622	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12060622	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12060626	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12060626	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12060626	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12060629	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12060629	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12060629	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12060630	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12060630	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12060630	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12060631	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12060631	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12060631	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12060710	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12060711	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12060788	Blank 1	Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12060790	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12060621	LCS 1	Fluoride	EPA 300.0	1.96	2.00	98	mg/L
QC12060622	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12060626	LCS 1	Nitrite Nitrogen	EPA 300.0	0.504	0.500	101	mg/L
QC12060629	LCS 1	Nitrate Nitrogen	EPA 300.0	2.00	2.00	100	mg/L
QC12060630	LCS 1	Sulfate	EPA 300.0	25.3	25.0	101	mg/L
QC12060631	LCS 1	Sulfate	EPA 300.0	25.3	25.0	101	mg/L
QC12060671	LCS 1	pH	SM 4500-H+ B	6.96	7.00	99	pH Units
QC12060703	LCS 1	Alkalinity	SM 2320B	109	100	109	mg/L
QC12060710	LCS 1	Aluminum	EPA 200.7	1.08	1.00	108	mg/L
		Barium	EPA 200.7	1.09	1.00	109	mg/L
		Beryllium	EPA 200.7	1.09	1.00	109	mg/L
		Bismuth	EPA 200.7	1.11	1.00	111	mg/L
		Boron	EPA 200.7	1.04	1.00	104	mg/L
		Cadmium	EPA 200.7	1.12	1.00	112	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12060711	LCS 1	Calcium	EPA 200.7	10.9	10.0	109	mg/L
		Chromium	EPA 200.7	1.08	1.00	108	mg/L
		Cobalt	EPA 200.7	1.10	1.00	110	mg/L
		Copper	EPA 200.7	5.35	5.00	107	mg/L
		Gallium	EPA 200.7	1.08	1.00	108	mg/L
		Iron	EPA 200.7	1.07	1.00	107	mg/L
		Lithium	EPA 200.7	1.05	1.00	105	mg/L
		Magnesium	EPA 200.7	10.9	10.0	109	mg/L
		Manganese	EPA 200.7	1.09	1.00	109	mg/L
		Molybdenum	EPA 200.7	1.09	1.00	109	mg/L
		Nickel	EPA 200.7	5.53	5.00	111	mg/L
		Phosphorus	EPA 200.7	5.64	5.00	113	mg/L
		Potassium	EPA 200.7	10.5	10.0	105	mg/L
		Scandium	EPA 200.7	1.07	1.00	107	mg/L
		Silver	EPA 200.7	0.097	0.090	108	mg/L
		Sodium	EPA 200.7	10.8	10.0	108	mg/L
		Strontium	EPA 200.7	1.07	1.00	107	mg/L
		Tin	EPA 200.7	1.10	1.00	110	mg/L
		Titanium	EPA 200.7	1.06	1.00	106	mg/L
		Vanadium	EPA 200.7	1.08	1.00	108	mg/L
		Zinc	EPA 200.7	1.14	1.00	114	mg/L
		Aluminum	EPA 200.7	1.08	1.00	108	mg/L
		Barium	EPA 200.7	1.09	1.00	109	mg/L
		Beryllium	EPA 200.7	1.09	1.00	109	mg/L
		Bismuth	EPA 200.7	1.11	1.00	111	mg/L
		Boron	EPA 200.7	1.04	1.00	104	mg/L
		Cadmium	EPA 200.7	1.12	1.00	112	mg/L
		Calcium	EPA 200.7	10.9	10.0	109	mg/L
		Chromium	EPA 200.7	1.08	1.00	108	mg/L
		Cobalt	EPA 200.7	1.10	1.00	110	mg/L
		Copper	EPA 200.7	5.35	5.00	107	mg/L
		Gallium	EPA 200.7	1.08	1.00	108	mg/L
		Iron	EPA 200.7	1.07	1.00	107	mg/L
		Lithium	EPA 200.7	1.05	1.00	105	mg/L
		Magnesium	EPA 200.7	10.9	10.0	109	mg/L
		Manganese	EPA 200.7	1.09	1.00	109	mg/L
		Molybdenum	EPA 200.7	1.09	1.00	109	mg/L
		Nickel	EPA 200.7	5.53	5.00	111	mg/L
		Phosphorus	EPA 200.7	5.64	5.00	113	mg/L
		Potassium	EPA 200.7	10.5	10.0	105	mg/L
		Scandium	EPA 200.7	1.07	1.00	107	mg/L
		Silver	EPA 200.7	0.097	0.090	108	mg/L
		Sodium	EPA 200.7	10.8	10.0	108	mg/L
		Strontium	EPA 200.7	1.07	1.00	107	mg/L
		Tin	EPA 200.7	1.10	1.00	110	mg/L
		Titanium	EPA 200.7	1.06	1.00	106	mg/L
		Vanadium	EPA 200.7	1.08	1.00	108	mg/L
		Zinc	EPA 200.7	1.14	1.00	114	mg/L
QC12060762	LCS 1	Alkalinity	SM 2320B	107	100	107	mg/L
QC12060788	LCS 1	Mercury	EPA 200.8	0.001111	0.001	111	mg/L
		Antimony	EPA 200.8	0.0100	0.010	100	mg/L
		Arsenic	EPA 200.8	0.0538	0.050	108	mg/L
		Lead	EPA 200.8	0.0106	0.010	106	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units					
QC12060790	LCS 1	Selenium	EPA 200.8	0.0512	0.050	102	mg/L					
		Thallium	EPA 200.8	0.0106	0.010	106	mg/L					
		Mercury	EPA 200.8	0.001111	0.001	111	mg/L					
		Antimony	EPA 200.8	0.0100	0.010	100	mg/L					
		Arsenic	EPA 200.8	0.0538	0.050	108	mg/L					
		Lead	EPA 200.8	0.0106	0.010	106	mg/L					
		Selenium	EPA 200.8	0.0512	0.050	102	mg/L					
		Thallium	EPA 200.8	0.0106	0.010	106	mg/L					
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD				
QC12060671	Duplicate	pH	SM 4500-H+ B	1206371-001	10.1	10.2	pH Units	<1%				
QC12060671	Duplicate	pH	SM 4500-H+ B	1206371-012	10.1	10.2	pH Units	<1%				
QC12060671	Duplicate	pH	SM 4500-H+ B	1206419-001	9.51	9.46	pH Units	1 %				
QC12060703	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206371-001	154	127	mg/L	19 %				
		Carbonate (CO3)	SM 2320B	1206371-001	364	371	mg/L	2 %				
		Hydroxide (OH)	SM 2320B	1206371-001	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1206371-001	730	720	mg/L as CaCO3	1 %				
QC12060703	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206371-012	171	193	mg/L	12 %				
		Carbonate (CO3)	SM 2320B	1206371-012	487	465	mg/L	5 %				
		Hydroxide (OH)	SM 2320B	1206371-012	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1206371-012	948	930	mg/L as CaCO3	2 %				
QC12060762	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206371-016	212	183	mg/L	15 %				
		Carbonate (CO3)	SM 2320B	1206371-016	347	366	mg/L	5 %				
		Hydroxide (OH)	SM 2320B	1206371-016	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1206371-016	750	758	mg/L as CaCO3	1 %				
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12060621	MS 1	Fluoride	EPA 300.0	1206371-006	4.43	23.1	23.4	2.00	mg/L	93	95	1 %
QC12060621	MS 2	Fluoride	EPA 300.0	1206371-016	2.94	21.5	21.6	2.00	mg/L	93	93	<1%
QC12060622	MS 1	Chloride	EPA 300.0	1206371-006	26.9	79.5	79.9	5.00	mg/L	105	106	1 %
QC12060622	MS 2	Chloride	EPA 300.0	1206371-016	428	480	469	5.00	mg/L	104	82	2 %
QC12060626	MS 1	Nitrite Nitrogen	EPA 300.0	1206371-006	0.918	5.66	5.62	0.500	mg/L	95	94	1 %
QC12060626	MS 2	Nitrite Nitrogen	EPA 300.0	1206371-016	3.40	8.57	8.96	0.500	mg/L	103	111	4 %
QC12060629	MS 1	Nitrate Nitrogen	EPA 300.0	1206371-006	<1.000	18.2	18.4	2.00	mg/L	88	90	1 %
QC12060629	MS 2	Nitrate Nitrogen	EPA 300.0	1206371-016	<1.000	21.1	20.7	2.00	mg/L	102	100	2 %
QC12060630	MS 1	Sulfate	EPA 300.0	1206294-006	1985	2973	2968	10.0	mg/L	99	98	<1%
QC12060630	MS 2	Sulfate	EPA 300.0	1206371-006	278	370	371	10.0	mg/L	92	93	<1%
QC12060631	MS 1	Sulfate	EPA 300.0	1206371-016	250	347	341	10.0	mg/L	96	90	2 %
QC12060631	MS 2	Sulfate	EPA 300.0	1206350-004	37.3	46.8	47.3	10.0	mg/L	96	100	1 %
QC12060710	MS 1	Aluminum	EPA 200.7	1206327-002	0.202	1.20	1.20	1.00	mg/L	100	100	<1%
		Barium	EPA 200.7	1206327-002	0.028	1.12	1.11	1.00	mg/L	109	108	1 %
		Beryllium	EPA 200.7	1206327-002	<0.001	1.10	1.10	1.00	mg/L	110	110	<1%
		Bismuth	EPA 200.7	1206327-002	<0.100	1.08	1.06	1.00	mg/L	109	107	2 %
		Boron	EPA 200.7	1206327-002	<0.100	1.08	1.08	1.00	mg/L	107	107	<1%
		Cadmium	EPA 200.7	1206327-002	0.046	1.13	1.12	1.00	mg/L	108	107	1 %
		Calcium	EPA 200.7	1206327-002	234	SC 248	248	10.0	mg/L	NC	NC	NC
		Chromium	EPA 200.7	1206327-002	<0.005	1.09	1.08	1.00	mg/L	109	108	1 %
		Cobalt	EPA 200.7	1206327-002	<0.010	1.11	1.09	1.00	mg/L	110	108	2 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12060711	MS 1	Copper	EPA 200.7	1206327-002	<0.050	5.72	5.72	5.00	mg/L	114	114	<1%
		Gallium	EPA 200.7	1206327-002	<0.100	1.03	1.03	1.00	mg/L	103	103	<1%
		Iron	EPA 200.7	1206327-002	<0.010	1.07	1.08	1.00	mg/L	107	108	1 %
		Lithium	EPA 200.7	1206327-002	<0.100	1.10	1.12	1.00	mg/L	110	112	2 %
		Magnesium	EPA 200.7	1206327-002	5.42	15.9	15.8	10.0	mg/L	105	104	1 %
		Manganese	EPA 200.7	1206327-002	0.050	1.14	1.13	1.00	mg/L	109	108	1 %
		Molybdenum	EPA 200.7	1206327-002	0.011	1.12	1.10	1.00	mg/L	111	109	2 %
		Nickel	EPA 200.7	1206327-002	<0.010	5.48	5.44	5.00	mg/L	110	109	1 %
		Phosphorus	EPA 200.7	1206327-002	<0.500	5.90	5.77	5.00	mg/L	117	114	2 %
		Potassium	EPA 200.7	1206327-002	20.3	31.5	31.7	10.0	mg/L	112	114	1 %
		Scandium	EPA 200.7	1206327-002	<0.100	1.08	1.08	1.00	mg/L	108	108	<1%
		Silver	EPA 200.7	1206327-002	<0.005	0.098	0.098	0.090	mg/L	110	110	<1%
		Sodium	EPA 200.7	1206327-002	13.0	24.5	24.8	10.0	mg/L	115	118	1 %
		Strontium	EPA 200.7	1206327-002	0.573	1.66	1.69	1.00	mg/L	109	112	2 %
		Tin	EPA 200.7	1206327-002	<0.100	1.04	1.02	1.00	mg/L	111	109	2 %
		Titanium	EPA 200.7	1206327-002	<0.100	1.08	1.08	1.00	mg/L	108	108	<1%
		Vanadium	EPA 200.7	1206327-002	<0.010	1.11	1.11	1.00	mg/L	110	110	<1%
		Zinc	EPA 200.7	1206327-002	0.133	1.26	1.24	1.00	mg/L	113	111	2 %
		Aluminum	EPA 200.7	1206334-004	<0.045	1.02	1.06	1.00	mg/L	99	103	4 %
		Barium	EPA 200.7	1206334-004	<0.010	1.05	1.10	1.00	mg/L	105	110	5 %
		Beryllium	EPA 200.7	1206334-004	<0.001	1.06	1.11	1.00	mg/L	106	111	5 %
		Bismuth	EPA 200.7	1206334-004	<0.100	1.06	1.10	1.00	mg/L	105	109	4 %
		Boron	EPA 200.7	1206334-004	<0.100	1.00	1.06	1.00	mg/L	100	106	6 %
		Cadmium	EPA 200.7	1206334-004	<0.001	1.06	1.12	1.00	mg/L	106	112	6 %
		Calcium	EPA 200.7	1206334-004	6.41	17.3	17.8	10.0	mg/L	109	114	3 %
		Chromium	EPA 200.7	1206334-004	<0.005	1.04	1.09	1.00	mg/L	104	109	5 %
		Cobalt	EPA 200.7	1206334-004	<0.010	1.06	1.11	1.00	mg/L	106	111	5 %
		Copper	EPA 200.7	1206334-004	<0.050	5.27	5.48	5.00	mg/L	105	109	4 %
		Gallium	EPA 200.7	1206334-004	<0.100	1.03	1.08	1.00	mg/L	103	108	5 %
		Iron	EPA 200.7	1206334-004	0.024	1.10	1.13	1.00	mg/L	108	111	3 %
		Lithium	EPA 200.7	1206334-004	<0.100	1.06	1.07	1.00	mg/L	106	107	1 %
		Magnesium	EPA 200.7	1206334-004	1.43	12.3	12.7	10.0	mg/L	109	113	3 %
		Manganese	EPA 200.7	1206334-004	<0.005	1.04	1.09	1.00	mg/L	104	109	5 %
		Molybdenum	EPA 200.7	1206334-004	<0.010	1.06	1.09	1.00	mg/L	106	109	3 %
		Nickel	EPA 200.7	1206334-004	<0.010	5.26	5.54	5.00	mg/L	105	111	5 %
		Phosphorus	EPA 200.7	1206334-004	<0.500	5.39	5.67	5.00	mg/L	107	113	5 %
		Potassium	EPA 200.7	1206334-004	1.54	12.0	12.3	10.0	mg/L	105	108	2 %
		Scandium	EPA 200.7	1206334-004	<0.100	1.05	1.09	1.00	mg/L	105	109	4 %
		Silver	EPA 200.7	1206334-004	<0.005	0.093	0.097	0.090	mg/L	104	109	4 %
		Sodium	EPA 200.7	1206334-004	4.05	14.9	15.0	10.0	mg/L	109	109	1 %
		Strontium	EPA 200.7	1206334-004	<0.100	1.23	1.24	1.00	mg/L	114	115	1 %
		Tin	EPA 200.7	1206334-004	<0.100	1.05	1.10	1.00	mg/L	106	111	5 %
		Titanium	EPA 200.7	1206334-004	<0.100	1.10	1.12	1.00	mg/L	110	112	2 %
		Vanadium	EPA 200.7	1206334-004	<0.010	1.04	1.09	1.00	mg/L	104	109	5 %
		Zinc	EPA 200.7	1206334-004	<0.010	1.09	1.15	1.00	mg/L	109	115	5 %
QC12060788	MS 1	Mercury	EPA 200.8	1206327-002	<0.00010	0.000808	0.000804	0.001	mg/L	81	80	<1%
		Antimony	EPA 200.8	1206327-002	0.0076	0.0171	0.0171	0.010	mg/L	95	95	<1%
		Arsenic	EPA 200.8	1206327-002	0.0553	0.1102	0.1107	0.050	mg/L	110	111	<1%
		Lead	EPA 200.8	1206327-002	<0.0025	0.0098	0.0098	0.010	mg/L	94	94	<1%
		Selenium	EPA 200.8	1206327-002	<0.0050	0.0542	0.0538	0.050	mg/L	100	100	1 %
		Thallium	EPA 200.8	1206327-002	0.0021	0.0116	0.0116	0.010	mg/L	95	95	<1%
QC12060790	MS 1	Mercury	EPA 200.8	1206334-004	<0.00010	0.000800	0.000833	0.001	mg/L	80	83	4 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Antimony	EPA 200.8	1206334-004	<0.0025	0.0096	0.0097	0.010	mg/L	94	94	1 %
		Arsenic	EPA 200.8	1206334-004	<0.0050	0.0517	0.0518	0.050	mg/L	104	104	<1%
		Lead	EPA 200.8	1206334-004	<0.0025	0.0102	0.0103	0.010	mg/L	102	103	1 %
		Selenium	EPA 200.8	1206334-004	<0.0050	0.0489	0.0493	0.050	mg/L	98	98	1 %
		Thallium	EPA 200.8	1206334-004	<0.0010	0.0102	0.0104	0.010	mg/L	102	104	2 %

7/3/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Jim Defilippi

OrderID: 1206562

Dear: Jim Defilippi

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 6/26/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1206562

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1206562-001,002,003,004,006,007,008,009,010,011,013,014,015,016 Thallium

1206562-005 Chromium, Thallium

1206562-012 Silver, Thallium

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Jim Defilippi

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 7/3/2012

OrderID: 1206562

Customer Sample ID: 63515 DD

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206562-001

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.72	pH Units		6/27/2012
Bicarbonate (HCO ₃)	SM 2320B	210	mg/L	1.0	6/27/2012
Carbonate (CO ₃)	SM 2320B	200	mg/L	1.0	6/27/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/27/2012
Total Alkalinity	SM 2320B	590	mg/L as CaCO ₃	1.0	6/27/2012
Chloride	EPA 300.0	32	mg/L	10	6/26/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	210	mg/L	10	6/26/2012
Aluminum	EPA 200.7	1.4	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.022	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.17	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.017	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	8.0	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	6/28/2012
Copper	EPA 200.7	2.1	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	7.2	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.028	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.089	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.036	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	7.8	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012

Customer Sample ID: 63515 DD
WETLAB Sample ID: 1206562-001

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	690	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.17	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.15	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	3.9	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0031	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	1.1	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	17	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.16	mg/L	0.020	6/29/2012
Selenium	EPA 200.8	0.090	mg/L	0.050	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63515 EE
WETLAB Sample ID: 1206562-002

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.75	pH Units		6/27/2012
Bicarbonate (HCO3)	SM 2320B	320	mg/L	1.0	6/27/2012
Carbonate (CO3)	SM 2320B	180	mg/L	1.0	6/27/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/27/2012
Total Alkalinity	SM 2320B	560	mg/L as CaCO3	1.0	6/27/2012
Chloride	EPA 300.0	32	mg/L	10	6/26/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	210	mg/L	10	6/26/2012
Aluminum	EPA 200.7	1.6	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.022	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.17	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.018	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	7.1	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.24	mg/L	0.010	6/28/2012
Copper	EPA 200.7	5.9	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	12	mg/L	0.010	6/28/2012

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Customer Sample ID: 63515 EE
WETLAB Sample ID: 1206562-002

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.037	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.098	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.052	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	7.9	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	670	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.16	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.23	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	3.8	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0039	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	1.2	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	17	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.15	mg/L	0.020	6/29/2012
Selenium	EPA 200.8	0.090	mg/L	0.050	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63516 DD
WETLAB Sample ID: 1206562-003

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.73	pH Units		6/27/2012
Bicarbonate (HCO ₃)	SM 2320B	340	mg/L	1.0	6/27/2012
Carbonate (CO ₃)	SM 2320B	210	mg/L	1.0	6/27/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/27/2012
Total Alkalinity	SM 2320B	630	mg/L as CaCO ₃	1.0	6/27/2012
Chloride	EPA 300.0	24	mg/L	10	6/26/2012
Fluoride	EPA 300.0	4.3	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	260	mg/L	10	6/26/2012
Aluminum	EPA 200.7	1.2	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.018	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.18	mg/L	0.10	6/28/2012

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Customer Sample ID: 63516 DD
WETLAB Sample ID: 1206562-003

Collect Date/Time: 6/15/2012 16:00
Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cadmium	EPA 200.7	0.024	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	6.8	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.29	mg/L	0.010	6/28/2012
Copper	EPA 200.7	7.1	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	9.6	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.021	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.086	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	8.4	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	740	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.19	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	5.9	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0091	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	1.2	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	18	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.13	mg/L	0.020	6/29/2012
Selenium	EPA 200.8	0.11	mg/L	0.10	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63516 EE
WETLAB Sample ID: 1206562-004

Collect Date/Time: 6/15/2012 16:00
Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.78	pH Units		6/27/2012
Bicarbonate (HCO ₃)	SM 2320B	220	mg/L	1.0	6/27/2012
Carbonate (CO ₃)	SM 2320B	170	mg/L	1.0	6/27/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/27/2012
Total Alkalinity	SM 2320B	460	mg/L as CaCO ₃	1.0	6/27/2012
Chloride	EPA 300.0	24	mg/L	10	6/26/2012

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Customer Sample ID: 63516 EE
WETLAB Sample ID: 1206562-004

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Fluoride	EPA 300.0	4.1	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	260	mg/L	10	6/26/2012
Aluminum	EPA 200.7	1.2	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.017	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.18	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.027	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	7.0	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.30	mg/L	0.010	6/28/2012
Copper	EPA 200.7	7.6	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	9.8	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.020	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.099	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	8.7	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	760	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.19	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.21	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	7.0	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0056	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	1.3	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	18	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.11	mg/L	0.020	6/29/2012
Selenium	EPA 200.8	0.10	mg/L	0.10	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63517 DD
WETLAB Sample ID: 1206562-005

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.82	pH Units		6/27/2012
Bicarbonate (HCO ₃)	SM 2320B	330	mg/L	1.0	6/28/2012
Carbonate (CO ₃)	SM 2320B	230	mg/L	1.0	6/28/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/28/2012
Total Alkalinity	SM 2320B	660	mg/L as CaCO ₃	1.0	6/28/2012
Chloride	EPA 300.0	26	mg/L	10	6/26/2012
Fluoride	EPA 300.0	4.4	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	260	mg/L	10	6/26/2012
Aluminum	EPA 200.7	1.6	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.022	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.18	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.021	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	7.0	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	<0.050	mg/L	0.050	6/28/2012
Cobalt	EPA 200.7	0.32	mg/L	0.010	6/28/2012
Copper	EPA 200.7	7.6	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	12	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.38	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.065	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	7.4	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	770	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.15	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.24	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	5.2	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0053	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	1.2	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	17	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.16	mg/L	0.020	6/29/2012

Customer Sample ID: 63517 DD

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206562-005

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Selenium	EPA 200.8	0.099	mg/L	0.050	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63517 EE

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206562-006

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.77	pH Units		6/27/2012
Bicarbonate (HCO ₃)	SM 2320B	380	mg/L	1.0	6/28/2012
Carbonate (CO ₃)	SM 2320B	240	mg/L	1.0	6/28/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/28/2012
Total Alkalinity	SM 2320B	710	mg/L as CaCO ₃	1.0	6/28/2012
Chloride	EPA 300.0	27	mg/L	10	6/26/2012
Fluoride	EPA 300.0	4.3	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	270	mg/L	10	6/26/2012
Aluminum	EPA 200.7	1.4	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.021	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.18	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.022	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	6.7	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	0.0052	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.31	mg/L	0.010	6/28/2012
Copper	EPA 200.7	7.7	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	12	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.036	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.072	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	7.7	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	800	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.16	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012

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Customer Sample ID: 63517 EE
WETLAB Sample ID: 1206562-006

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	6.2	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0055	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	1.2	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	18	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.14	mg/L	0.020	6/29/2012
Selenium	EPA 200.8	0.10	mg/L	0.10	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63518 DD
WETLAB Sample ID: 1206562-007

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.66	pH Units		6/27/2012
Bicarbonate (HCO3)	SM 2320B	300	mg/L	1.0	6/28/2012
Carbonate (CO3)	SM 2320B	130	mg/L	1.0	6/28/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/28/2012
Total Alkalinity	SM 2320B	470	mg/L as CaCO3	1.0	6/28/2012
Chloride	EPA 300.0	24	mg/L	10	6/26/2012
Fluoride	EPA 300.0	4.3	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	270	mg/L	10	6/26/2012
Aluminum	EPA 200.7	1.4	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.027	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.16	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.016	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	8.0	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.32	mg/L	0.010	6/28/2012
Copper	EPA 200.7	6.7	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	9.3	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.031	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/28/2012

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Customer Sample ID: 63518 DD
WETLAB Sample ID: 1206562-007

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nickel	EPA 200.7	0.040	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	7.8	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	730	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.21	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.21	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	3.6	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0052	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	1.3	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	18	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.13	mg/L	0.020	6/29/2012
Selenium	EPA 200.8	0.096	mg/L	0.050	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63518 EE
WETLAB Sample ID: 1206562-008

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.67	pH Units		6/27/2012
Bicarbonate (HCO3)	SM 2320B	300	mg/L	1.0	6/28/2012
Carbonate (CO3)	SM 2320B	130	mg/L	1.0	6/28/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/28/2012
Total Alkalinity	SM 2320B	470	mg/L as CaCO3	1.0	6/28/2012
Chloride	EPA 300.0	25	mg/L	10	6/26/2012
Fluoride	EPA 300.0	4.0	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	290	mg/L	10	6/26/2012
Aluminum	EPA 200.7	0.98	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.017	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.16	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.018	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	7.2	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.34	mg/L	0.010	6/28/2012

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Customer Sample ID: 63518 EE
WETLAB Sample ID: 1206562-008

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Copper	EPA 200.7	6.8	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	9.3	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.023	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.040	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	7.9	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	770	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.21	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.19	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	4.4	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0057	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	1.3	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	17	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.085	mg/L	0.020	6/29/2012
Selenium	EPA 200.8	0.096	mg/L	0.050	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63519 DD
WETLAB Sample ID: 1206562-009

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.82	pH Units		6/27/2012
Bicarbonate (HCO ₃)	SM 2320B	320	mg/L	1.0	6/28/2012
Carbonate (CO ₃)	SM 2320B	200	mg/L	1.0	6/28/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/28/2012
Total Alkalinity	SM 2320B	590	mg/L as CaCO ₃	1.0	6/28/2012
Chloride	EPA 300.0	39	mg/L	10	6/26/2012
Fluoride	EPA 300.0	4.5	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	270	mg/L	10	6/26/2012
Aluminum	EPA 200.7	1.6	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.024	mg/L	0.010	6/28/2012

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Customer Sample ID: 63519 DD
WETLAB Sample ID: 1206562-009

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.18	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.019	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	7.2	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	0.0056	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.31	mg/L	0.010	6/28/2012
Copper	EPA 200.7	6.6	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	7.2	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.028	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.059	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	8.2	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	810	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.15	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.24	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	4.7	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0045	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	1.3	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	19	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.14	mg/L	0.020	6/29/2012
Selenium	EPA 200.8	0.10	mg/L	0.10	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63519 EE
WETLAB Sample ID: 1206562-010

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.70	pH Units		6/27/2012
Bicarbonate (HCO ₃)	SM 2320B	430	mg/L	1.0	6/28/2012
Carbonate (CO ₃)	SM 2320B	200	mg/L	1.0	6/28/2012

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Customer Sample ID: 63519 EE

Collect Date/Time: 6/15/2012 16:00

WETLAB Sample ID: 1206562-010

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/28/2012
Total Alkalinity	SM 2320B	690	mg/L as CaCO ₃	1.0	6/28/2012
Chloride	EPA 300.0	42	mg/L	10	6/26/2012
Fluoride	EPA 300.0	4.5	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	290	mg/L	10	6/26/2012
Aluminum	EPA 200.7	1.4	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.022	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.16	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.019	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	7.2	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	0.0052	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.33	mg/L	0.010	6/28/2012
Copper	EPA 200.7	6.1	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	7.6	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.026	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.16	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.049	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	9.0	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	850	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.16	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	5.3	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0075	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	1.3	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	20	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.14	mg/L	0.020	6/29/2012
Selenium	EPA 200.8	0.11	mg/L	0.10	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63520 DD
WETLAB Sample ID: 1206562-011

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.85	pH Units		6/27/2012
Bicarbonate (HCO ₃)	SM 2320B	440	mg/L	1.0	6/28/2012
Carbonate (CO ₃)	SM 2320B	230	mg/L	1.0	6/28/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/28/2012
Total Alkalinity	SM 2320B	740	mg/L as CaCO ₃	1.0	6/28/2012
Chloride	EPA 300.0	28	mg/L	10	6/26/2012
Fluoride	EPA 300.0	4.0	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	250	mg/L	10	6/26/2012
Aluminum	EPA 200.7	1.5	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.025	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.15	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.012	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	6.4	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	0.0051	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	6/28/2012
Copper	EPA 200.7	5.1	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	5.8	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.027	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.13	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.040	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	780	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.14	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	3.5	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0084	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	1.2	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	14	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.15	mg/L	0.020	6/29/2012

Customer Sample ID: 63520 DD
WETLAB Sample ID: 1206562-011

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Selenium	EPA 200.8	0.097	mg/L	0.050	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63520 EE
WETLAB Sample ID: 1206562-012

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.78	pH Units		6/27/2012
Bicarbonate (HCO ₃)	SM 2320B	530	mg/L	1.0	6/28/2012
Carbonate (CO ₃)	SM 2320B	230	mg/L	1.0	6/28/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/28/2012
Total Alkalinity	SM 2320B	810	mg/L as CaCO ₃	1.0	6/28/2012
Chloride	EPA 300.0	28	mg/L	10	6/26/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	250	mg/L	10	6/26/2012
Aluminum	EPA 200.7	1.8	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.030	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.14	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.0082	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	7.2	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	0.0051	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.28	mg/L	0.010	6/28/2012
Copper	EPA 200.7	4.5	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	6.0	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.032	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.13	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.036	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	11	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.050	mg/L	0.050	6/28/2012
Sodium	EPA 200.7	810	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.16	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012

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Customer Sample ID: 63520 EE
WETLAB Sample ID: 1206562-012

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.21	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	2.6	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0064	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	1.2	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	16	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.17	mg/L	0.020	6/29/2012
Selenium	EPA 200.8	0.093	mg/L	0.050	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63521 DD
WETLAB Sample ID: 1206562-013

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	10.05	pH Units		6/27/2012
Bicarbonate (HCO3)	SM 2320B	240	mg/L	1.0	6/28/2012
Carbonate (CO3)	SM 2320B	270	mg/L	1.0	6/28/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/28/2012
Total Alkalinity	SM 2320B	650	mg/L as CaCO3	1.0	6/28/2012
Chloride	EPA 300.0	53	mg/L	10	6/26/2012
Fluoride	EPA 300.0	2.8	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	190	mg/L	10	6/26/2012
Aluminum	EPA 200.7	0.59	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.012	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.12	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.011	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	4.0	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	0.0074	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.13	mg/L	0.010	6/28/2012
Copper	EPA 200.7	3.6	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	2.8	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.022	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.062	mg/L	0.010	6/28/2012

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Customer Sample ID: 63521 DD
WETLAB Sample ID: 1206562-013

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nickel	EPA 200.7	0.18	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	5.8	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	520	mg/L	0.50	6/28/2012
Strontium	EPA 200.7	0.10	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.18	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	4.3	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0047	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	0.56	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	10	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.071	mg/L	0.020	6/29/2012
Selenium	EPA 200.8	0.082	mg/L	0.050	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63521 EE
WETLAB Sample ID: 1206562-014

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.92	pH Units		6/27/2012
Bicarbonate (HCO ₃)	SM 2320B	310	mg/L	1.0	6/28/2012
Carbonate (CO ₃)	SM 2320B	220	mg/L	1.0	6/28/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/28/2012
Total Alkalinity	SM 2320B	630	mg/L as CaCO ₃	1.0	6/28/2012
Chloride	EPA 300.0	55	mg/L	10	6/26/2012
Fluoride	EPA 300.0	3.0	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	200	mg/L	10	6/26/2012
Aluminum	EPA 200.7	0.85	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.032	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.12	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.012	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	4.7	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	0.0078	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.14	mg/L	0.010	6/28/2012

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Customer Sample ID: 63521 EE
WETLAB Sample ID: 1206562-014

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Copper	EPA 200.7	3.7	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	3.3	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.037	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.066	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.16	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	5.7	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	530	mg/L	0.50	6/28/2012
Strontium	EPA 200.7	0.11	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.20	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	4.8	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0043	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	0.59	mg/L	0.020	6/29/2012
Arsenic	EPA 200.8	11	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.11	mg/L	0.020	6/29/2012
Selenium	EPA 200.8	0.078	mg/L	0.050	6/29/2012
Thallium	EPA 200.8	<0.020	mg/L	0.020	6/29/2012

Customer Sample ID: 63522 DD
WETLAB Sample ID: 1206562-015

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.95	pH Units		6/27/2012
Bicarbonate (HCO ₃)	SM 2320B	290	mg/L	1.0	6/28/2012
Carbonate (CO ₃)	SM 2320B	180	mg/L	1.0	6/28/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/28/2012
Total Alkalinity	SM 2320B	530	mg/L as CaCO ₃	1.0	6/28/2012
Chloride	EPA 300.0	390	mg/L	10	6/26/2012
Fluoride	EPA 300.0	2.7	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	240	mg/L	10	6/26/2012
Aluminum	EPA 200.7	0.33	mg/L	0.045	6/28/2012
Barium	EPA 200.7	0.011	mg/L	0.010	6/28/2012

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Customer Sample ID: 63522 DD
WETLAB Sample ID: 1206562-015

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.32	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.0064	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	5.3	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	0.0087	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	6/28/2012
Copper	EPA 200.7	3.5	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	4.3	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.020	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.083	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.076	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	8.3	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	770	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.15	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.17	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	7.5	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0081	mg/L	0.0010	6/29/2012
Antimony	EPA 200.8	0.57	mg/L	0.010	6/29/2012
Arsenic	EPA 200.8	10	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.049	mg/L	0.010	6/29/2012
Selenium	EPA 200.8	0.061	mg/L	0.050	6/29/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	6/29/2012

Customer Sample ID: 63522 EE
WETLAB Sample ID: 1206562-016

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	9.88	pH Units		6/27/2012
Bicarbonate (HCO ₃)	SM 2320B	330	mg/L	1.0	6/28/2012
Carbonate (CO ₃)	SM 2320B	190	mg/L	1.0	6/28/2012

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Customer Sample ID: 63522 EE
WETLAB Sample ID: 1206562-016

Collect Date/Time: 6/15/2012 16:00

Receive Date: 6/26/2012 08:00

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/28/2012
Total Alkalinity	SM 2320B	590	mg/L as CaCO ₃	1.0	6/28/2012
Chloride	EPA 300.0	390	mg/L	10	6/26/2012
Fluoride	EPA 300.0	2.6	mg/L	1.0	6/26/2012
Sulfate	EPA 300.0	230	mg/L	10	6/26/2012
Aluminum	EPA 200.7	0.24	mg/L	0.045	6/28/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	6/28/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	6/28/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Boron	EPA 200.7	0.31	mg/L	0.10	6/28/2012
Cadmium	EPA 200.7	0.0048	mg/L	0.0010	6/28/2012
Calcium	EPA 200.7	4.4	mg/L	0.50	6/28/2012
Chromium	EPA 200.7	0.0086	mg/L	0.0050	6/28/2012
Cobalt	EPA 200.7	0.16	mg/L	0.010	6/28/2012
Copper	EPA 200.7	3.3	mg/L	0.050	6/28/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Iron	EPA 200.7	4.3	mg/L	0.010	6/28/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	6/28/2012
Manganese	EPA 200.7	0.018	mg/L	0.0050	6/28/2012
Molybdenum	EPA 200.7	0.086	mg/L	0.010	6/28/2012
Nickel	EPA 200.7	0.074	mg/L	0.010	6/28/2012
Potassium	EPA 200.7	8.2	mg/L	0.50	6/28/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	6/28/2012
Sodium	EPA 200.7	760	mg/L	5.0	6/28/2012
Strontium	EPA 200.7	0.14	mg/L	0.10	6/28/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	6/28/2012
Vanadium	EPA 200.7	0.17	mg/L	0.010	6/28/2012
Zinc	EPA 200.7	7.0	mg/L	0.010	6/28/2012
Mercury	EPA 200.8	0.0032	mg/L	0.0020	6/29/2012
Antimony	EPA 200.8	0.58	mg/L	0.010	6/29/2012
Arsenic	EPA 200.8	10	mg/L	0.10	6/29/2012
Lead	EPA 200.8	0.050	mg/L	0.010	6/29/2012
Selenium	EPA 200.8	0.059	mg/L	0.050	6/29/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	6/29/2012

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12060965	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12060965	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12060965	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12060990	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12060990	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12060990	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12061000	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12061000	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12061000	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12061034	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12061035	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Cadmium, Dissolved	EPA 200.7	<0.0010	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Copper, Dissolved	EPA 200.7	<0.050	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12061053	Blank 1	Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
		Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
QC12061054	Blank 1	Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12060965	LCS 1	Fluoride	EPA 300.0	1.85	2.00	93	mg/L
QC12060982	LCS 1	Alkalinity	SM 2320B	108	100	108	mg/L
QC12060983	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12060990	LCS 1	Chloride	EPA 300.0	9.98	10.0	100	mg/L
QC12061000	LCS 1	Sulfate	EPA 300.0	23.7	25.0	95	mg/L
QC12061034	LCS 1	Aluminum	EPA 200.7	0.966	1.00	97	mg/L
		Barium	EPA 200.7	0.998	1.00	100	mg/L
		Beryllium	EPA 200.7	1.01	1.00	101	mg/L
		Bismuth	EPA 200.7	1.01	1.00	101	mg/L
		Boron	EPA 200.7	0.946	1.00	95	mg/L
		Cadmium	EPA 200.7	1.03	1.00	103	mg/L
		Calcium	EPA 200.7	10.1	10.0	101	mg/L
		Chromium	EPA 200.7	0.976	1.00	98	mg/L
		Cobalt	EPA 200.7	1.02	1.00	102	mg/L
		Copper	EPA 200.7	4.84	5.00	97	mg/L
		Gallium	EPA 200.7	0.967	1.00	97	mg/L
		Iron	EPA 200.7	0.976	1.00	98	mg/L
		Lithium	EPA 200.7	0.952	1.00	95	mg/L
		Magnesium	EPA 200.7	10.1	10.0	101	mg/L
		Manganese	EPA 200.7	0.995	1.00	100	mg/L
		Molybdenum	EPA 200.7	0.999	1.00	100	mg/L
		Nickel	EPA 200.7	5.08	5.00	102	mg/L
		Potassium	EPA 200.7	9.75	10.0	98	mg/L
		Scandium	EPA 200.7	0.974	1.00	97	mg/L
		Silver	EPA 200.7	0.087	0.090	96	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC12061035	LCS 1	Sodium	EPA 200.7	9.47	10.0	95	mg/L	
		Strontium	EPA 200.7	0.938	1.00	94	mg/L	
		Tin	EPA 200.7	1.00	1.00	100	mg/L	
		Titanium	EPA 200.7	0.969	1.00	97	mg/L	
		Vanadium	EPA 200.7	0.981	1.00	98	mg/L	
		Zinc	EPA 200.7	1.07	1.00	107	mg/L	
		Aluminum	EPA 200.7	0.966	1.00	97	mg/L	
		Barium	EPA 200.7	0.998	1.00	100	mg/L	
		Beryllium	EPA 200.7	1.01	1.00	101	mg/L	
		Bismuth	EPA 200.7	1.01	1.00	101	mg/L	
		Boron	EPA 200.7	0.946	1.00	95	mg/L	
		Cadmium	EPA 200.7	1.03	1.00	103	mg/L	
		Calcium	EPA 200.7	10.1	10.0	101	mg/L	
		Chromium	EPA 200.7	0.976	1.00	98	mg/L	
		Cobalt	EPA 200.7	1.02	1.00	102	mg/L	
		Copper	EPA 200.7	4.84	5.00	97	mg/L	
		Gallium	EPA 200.7	0.967	1.00	97	mg/L	
		Iron	EPA 200.7	0.976	1.00	98	mg/L	
		Lithium	EPA 200.7	0.952	1.00	95	mg/L	
		Magnesium	EPA 200.7	10.1	10.0	101	mg/L	
		Manganese	EPA 200.7	0.995	1.00	100	mg/L	
		Molybdenum	EPA 200.7	0.999	1.00	100	mg/L	
		Nickel	EPA 200.7	5.08	5.00	102	mg/L	
		Potassium	EPA 200.7	9.75	10.0	98	mg/L	
		Scandium	EPA 200.7	0.974	1.00	97	mg/L	
		Silver	EPA 200.7	0.087	0.090	96	mg/L	
		Sodium	EPA 200.7	9.47	10.0	95	mg/L	
		Strontium	EPA 200.7	0.938	1.00	94	mg/L	
		Tin	EPA 200.7	1.00	1.00	100	mg/L	
		Titanium	EPA 200.7	0.969	1.00	97	mg/L	
		Vanadium	EPA 200.7	0.981	1.00	98	mg/L	
		Zinc	EPA 200.7	1.07	1.00	107	mg/L	
QC12061051	LCS 1	Alkalinity	SM 2320B	108	100	108	mg/L	
QC12061053	LCS 1	Mercury	EPA 200.8	0.001035	0.001	103	mg/L	
		Antimony	EPA 200.8	0.0089	0.010	89	mg/L	
		Arsenic	EPA 200.8	0.0449	0.050	90	mg/L	
		Lead	EPA 200.8	0.0090	0.010	90	mg/L	
		Selenium	EPA 200.8	0.0444	0.050	89	mg/L	
QC12061054	LCS 1	Thallium	EPA 200.8	0.0088	0.010	88	mg/L	
		Mercury	EPA 200.8	0.001035	0.001	103	mg/L	
		Antimony	EPA 200.8	0.0089	0.010	89	mg/L	
		Arsenic	EPA 200.8	0.0449	0.050	90	mg/L	
		Lead	EPA 200.8	0.0090	0.010	90	mg/L	
		Selenium	EPA 200.8	0.0444	0.050	89	mg/L	
		Thallium	EPA 200.8	0.0088	0.010	88	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12060982	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206390-004	4.90	4.90	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1206390-004	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1206390-004	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1206390-004	4.00	4.00	mg/L as CaCO3	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12060983	Duplicate	pH	SM 4500-H+ B	1206562-001	9.72	9.74	pH Units	<1%
QC12060983	Duplicate	pH	SM 4500-H+ B	1206562-011	9.85	9.85	pH Units	<1%
QC12061051	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206562-005	332	337	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1206562-005	234	275	mg/L	16 %
		Hydroxide (OH)	SM 2320B	1206562-005	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1206562-005	660	732	mg/L as CaCO3	10 %
QC12061051	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206562-015	290	302	mg/L	4 %
		Carbonate (CO3)	SM 2320B	1206562-015	178	219	mg/L	21 %
		Hydroxide (OH)	SM 2320B	1206562-015	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1206562-015	534	612	mg/L as CaCO3	14 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12060965	MS 1	Fluoride	EPA 300.0	1206562-001	4.10	22.4	22.4	2.00	mg/L	91	91	<1%
QC12060965	MS 2	Fluoride	EPA 300.0	1206562-011	4.04	22.6	22.7	2.00	mg/L	93	93	<1%
QC12060990	MS 1	Chloride	EPA 300.0	1206562-001	32.0	85.5	85.8	5.00	mg/L	107	108	<1%
QC12060990	MS 2	Chloride	EPA 300.0	1206562-011	28.4	81.6	82.3	5.00	mg/L	106	108	1 %
QC12061000	MS 1	Sulfate	EPA 300.0	1206562-001	211	310	311	10.0	mg/L	99	100	<1%
QC12061000	MS 2	Sulfate	EPA 300.0	1206562-011	252	350	353	10.0	mg/L	98	101	1 %
QC12061034	MS 1	Aluminum	EPA 200.7	1206533-001	0.337	1.28	1.29	1.00	mg/L	94	95	1 %
		Barium	EPA 200.7	1206533-001	0.073	1.05	1.04	1.00	mg/L	98	97	1 %
		Beryllium	EPA 200.7	1206533-001	0.002	1.02	1.01	1.00	mg/L	102	101	1 %
		Bismuth	EPA 200.7	1206533-001	<0.100	0.866	0.856	1.00	mg/L	87	86	1 %
		Boron	EPA 200.7	1206533-001	1.61	2.58	2.59	1.00	mg/L	97	98	<1%
		Cadmium	EPA 200.7	1206533-001	<0.001	1.00	0.992	1.00	mg/L	100	99	1 %
		Calcium	EPA 200.7	1206533-001	5.19	15.2	15.1	10.0	mg/L	100	99	1 %
		Chromium	EPA 200.7	1206533-001	<0.005	0.951	0.949	1.00	mg/L	95	95	<1%
		Cobalt	EPA 200.7	1206533-001	<0.010	0.994	0.987	1.00	mg/L	100	99	1 %
		Copper	EPA 200.7	1206533-001	<0.050	4.97	4.99	5.00	mg/L	99	100	<1%
		Gallium	EPA 200.7	1206533-001	<0.100	0.952	0.955	1.00	mg/L	94	95	<1%
		Iron	EPA 200.7	1206533-001	0.035	1.00	1.01	1.00	mg/L	96	97	1 %
		Lithium	EPA 200.7	1206533-001	1.21	2.22	2.19	1.00	mg/L	101	98	1 %
		Magnesium	EPA 200.7	1206533-001	<0.500	9.99	9.98	10.0	mg/L	99	99	<1%
		Manganese	EPA 200.7	1206533-001	0.018	0.992	0.990	1.00	mg/L	97	97	<1%
		Molybdenum	EPA 200.7	1206533-001	<0.010	0.983	0.969	1.00	mg/L	98	97	1 %
		Nickel	EPA 200.7	1206533-001	<0.010	4.94	4.90	5.00	mg/L	99	98	1 %
		Potassium	EPA 200.7	1206533-001	21.9	32.1	32.7	10.0	mg/L	102	108	2 %
		Scandium	EPA 200.7	1206533-001	<0.100	0.980	0.983	1.00	mg/L	98	98	<1%
		Silver	EPA 200.7	1206533-001	<0.005	0.076	0.073	0.090	mg/L	85	81	4 %
		Sodium	EPA 200.7	1206533-001	206	SC 220	224	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1206533-001	0.254	1.20	1.23	1.00	mg/L	95	98	2 %
		Tin	EPA 200.7	1206533-001	<0.100	0.980	0.966	1.00	mg/L	98	97	1 %
		Titanium	EPA 200.7	1206533-001	<0.100	0.966	0.972	1.00	mg/L	96	97	1 %
		Vanadium	EPA 200.7	1206533-001	<0.010	0.977	0.977	1.00	mg/L	98	98	<1%
		Zinc	EPA 200.7	1206533-001	0.064	1.10	1.09	1.00	mg/L	104	103	1 %
QC12061035	MS 1	Aluminum, Dissolved	EPA 200.7	1206523-001	<0.045	0.961	0.959	1.00	mg/L	94	94	<1%
		Barium, Dissolved	EPA 200.7	1206523-001	0.028	1.02	1.02	1.00	mg/L	99	99	<1%
		Beryllium, Dissolved	EPA 200.7	1206523-001	<0.001	0.997	0.998	1.00	mg/L	100	100	<1%
		Bismuth, Dissolved	EPA 200.7	1206523-001	<0.100	1.00	1.00	1.00	mg/L	100	100	<1%
		Boron, Dissolved	EPA 200.7	1206523-001	<0.100	1.07	1.07	1.00	mg/L	100	100	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12061053	MS 1	Cadmium, Dissolved	EPA 200.7	1206523-001	<0.001	1.01	1.02	1.00	mg/L	101	102	1 %
		Calcium, Dissolved	EPA 200.7	1206523-001	48.2	61.2	57.6	10.0	mg/L	130	94	6 %
		Chromium, Dissolved	EPA 200.7	1206523-001	<0.005	0.976	0.974	1.00	mg/L	98	98	<1%
		Cobalt, Dissolved	EPA 200.7	1206523-001	<0.010	0.995	1.00	1.00	mg/L	99	100	1 %
		Copper, Dissolved	EPA 200.7	1206523-001	<0.050	4.93	4.91	5.00	mg/L	99	98	<1%
		Gallium, Dissolved	EPA 200.7	1206523-001	<0.100	0.996	0.981	1.00	mg/L	99	98	2 %
		Iron, Dissolved	EPA 200.7	1206523-001	2.07	3.20	3.08	1.00	mg/L	113	101	4 %
		Lithium, Dissolved	EPA 200.7	1206523-001	<0.100	1.00	0.987	1.00	mg/L	99	98	1 %
		Magnesium, Dissolved	EPA 200.7	1206523-001	16.6	26.4	25.7	10.0	mg/L	98	91	3 %
		Manganese, Dissolved	EPA 200.7	1206523-001	0.016	1.00	1.00	1.00	mg/L	98	98	<1%
		Molybdenum, Dissolved	EPA 200.7	1206523-001	<0.010	0.994	0.996	1.00	mg/L	100	100	<1%
		Nickel, Dissolved	EPA 200.7	1206523-001	<0.010	4.96	5.00	5.00	mg/L	99	100	1 %
		Potassium, Dissolved	EPA 200.7	1206523-001	1.97	12.1	11.9	10.0	mg/L	101	99	2 %
		Scandium, Dissolved	EPA 200.7	1206523-001	<0.100	0.973	0.963	1.00	mg/L	97	96	1 %
		Silver, Dissolved	EPA 200.7	1206523-001	<0.005	0.088	0.088	0.090	mg/L	100	100	<1%
		Sodium, Dissolved	EPA 200.7	1206523-001	18.9	29.2	27.9	10.0	mg/L	103	90	5 %
		Strontium, Dissolved	EPA 200.7	1206523-001	0.223	1.27	1.22	1.00	mg/L	105	100	4 %
		Tin, Dissolved	EPA 200.7	1206523-001	<0.100	0.966	0.977	1.00	mg/L	100	101	1 %
		Titanium, Dissolved	EPA 200.7	1206523-001	<0.100	0.987	0.973	1.00	mg/L	98	97	1 %
		Vanadium, Dissolved	EPA 200.7	1206523-001	0.027	1.01	1.01	1.00	mg/L	98	98	<1%
QC12061054	MS 1	Zinc, Dissolved	EPA 200.7	1206523-001	<0.010	1.04	1.05	1.00	mg/L	104	105	1 %
		Mercury	EPA 200.8	1206533-001	0.001506	0.002126	0.001869	0.001	mg/L	62	36	13 %
		Antimony	EPA 200.8	1206533-001	0.0276	0.0373	0.0369	0.010	mg/L	97	93	1 %
		Arsenic	EPA 200.8	1206533-001	<0.0500	0.0532	0.0533	0.050	mg/L	90	90	<1%
		Lead	EPA 200.8	1206533-001	<0.0025	0.0085	0.0086	0.010	mg/L	84	85	1 %
		Selenium	EPA 200.8	1206533-001	<0.0500	M <0.0500	<0.0500	0.050	mg/L	NC	NC	NC
		Thallium	EPA 200.8	1206533-001	<0.0010	0.0082	0.0083	0.010	mg/L	82	83	1 %
		Mercury, Dissolved	EPA 200.8	1206523-001	<0.00010	0.001105	0.001024	0.001	mg/L	110	102	8 %
		Antimony, Dissolved	EPA 200.8	1206523-001	<0.0025	M 0.0170	0.0090	0.010	mg/L	NC	NC	NC
		Arsenic, Dissolved	EPA 200.8	1206523-001	<0.0050	M 0.1474	0.0497	0.050	mg/L	NC	NC	NC
		Lead, Dissolved	EPA 200.8	1206523-001	<0.0025	0.0097	0.0089	0.010	mg/L	97	89	9 %
		Selenium, Dissolved	EPA 200.8	1206523-001	<0.0050	0.0446	0.0451	0.050	mg/L	85	86	1 %
		Thallium, Dissolved	EPA 200.8	1206523-001	<0.0010	0.0085	0.0088	0.010	mg/L	85	88	3 %

**Eagle Gold Project
Report of Metallurgical Test Work
December 2013
Appendix B: Volume 2
(24 July 2012 - 28 January 2013)**

Prepared for:

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680-1066 West Hastings Street
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Prepared by:



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Project No. 366C

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Appendix B: Volume 2

Report Data (WETLAB and SEM)

Report Dates: 24 July 2012 through 28 January 2013

7/24/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Jim Defilippi

OrderID: 1206607

Dear: Jim Defilippi

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 6/27/2012. Additional comments are located on page 2 of this report.

This is an amended report that include data for Cyanate, Ammonia, and Thiocyanate as requested by the client. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1206607

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Ammonia, as Nitrogen on sample 1206607-005 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to a laboratory oversight the analysis for Cyanate and Thiocyanate on all samples was performed past the EPA recommended holding time. We apologize for any inconvenience this may have caused.

The cation/anion balance for numerous samples was outside WETLAB acceptance criteria; However, there are two unidentified analytes (anions) present in the ion chromatography analysis that may contribute to improve the balance but since it is an unknown analyte we were not able to investigate further. The unidentified analytes are seen in all submitted samples however the cation/anion balances for some samples were considered acceptable.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Jim Defilippi

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 7/24/2012

OrderID: 1206607

Customer Sample ID: 63301 Final Barren

Collect Date/Time: 6/27/2012 09:00

WETLAB Sample ID: 1206607-001

Receive Date: 6/27/2012 10:10

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	41	HT mg/L	10	7/17/2012
Cyanate	SM 4500 CNL	120	HT mg/L	2.5	7/16/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	71	mg/L	2.5	7/19/2012
pH	SM 4500-H+ B	9.51	pH Units		6/27/2012
Bicarbonate (HCO3)	SM 2320B	460	mg/L	1.0	6/27/2012
Carbonate (CO3)	SM 2320B	150	mg/L	1.0	6/27/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/27/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO3	1.0	6/27/2012
Chloride	EPA 300.0	32	mg/L	10	6/27/2012
Fluoride	EPA 300.0	4.1	mg/L	1.0	6/27/2012
Sulfate	EPA 300.0	210	mg/L	10	6/27/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	0.75	mg/L	0.10	7/3/2012
Total Kjeldahl Nitrogen	EPA 351.2	89	SC mg/L	5.0	7/11/2012
Total Nitrogen	Calc.	89	mg/L	1.1	7/11/2012
Total Dissolved Solids (TDS)	SM 2540C	1700	mg/L	10	6/28/2012
Aluminum	EPA 200.7	1.8	mg/L	0.045	7/5/2012
Barium	EPA 200.7	0.037	mg/L	0.010	7/5/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	7/5/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Boron	EPA 200.7	0.16	mg/L	0.10	7/5/2012
Cadmium	EPA 200.7	0.0064	mg/L	0.0010	7/5/2012
Calcium	EPA 200.7	29	mg/L	0.50	7/5/2012
Chromium	EPA 200.7	0.0053	mg/L	0.0050	7/5/2012
Cobalt	EPA 200.7	0.17	mg/L	0.010	7/5/2012
Copper	EPA 200.7	3.2	mg/L	0.050	7/5/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Iron	EPA 200.7	11	mg/L	0.010	7/5/2012

Customer Sample ID: 63301 Final Barren**Collect Date/Time:** 6/27/2012 09:00**WETLAB Sample ID:** 1206607-001**Receive Date:** 6/27/2012 10:10**PROFILE II_T-N**

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Lithium	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	7/5/2012
Manganese	EPA 200.7	0.039	mg/L	0.0050	7/5/2012
Molybdenum	EPA 200.7	0.091	mg/L	0.010	7/5/2012
Nickel	EPA 200.7	0.030	mg/L	0.010	7/5/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	7/5/2012
Potassium	EPA 200.7	7.3	mg/L	0.50	7/5/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	7/5/2012
Sodium	EPA 200.7	610	mg/L	2.5	7/6/2012
Strontium	EPA 200.7	0.45	mg/L	0.10	7/5/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Vanadium	EPA 200.7	0.20	mg/L	0.010	7/5/2012
Zinc	EPA 200.7	1.3	mg/L	0.010	7/5/2012
Mercury	EPA 200.8	0.0034	mg/L	0.00010	7/4/2012
Antimony	EPA 200.8	1.2	mg/L	0.020	7/5/2012
Arsenic	EPA 200.8	15	mg/L	0.10	7/5/2012
Lead	EPA 200.8	0.23	mg/L	0.020	7/5/2012
Selenium	EPA 200.8	0.040	mg/L	0.0050	7/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	7/4/2012
Anions	Calculation	18.1	meq/L	0.10	
Cations	Calculation	29.1	meq/L	0.10	
Error	Calculation	23	%	1.0	

Customer Sample ID: 63304 Final Barren**Collect Date/Time:** 6/27/2012 09:00**WETLAB Sample ID:** 1206607-002**Receive Date:** 6/27/2012 10:10**PROFILE II_T-N**

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	160	HT mg/L	5.0	7/16/2012
Thiocyanate	SM 4500 CNM	54	HT mg/L	10	7/17/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	67	mg/L	2.5	7/19/2012
pH	SM 4500-H+ B	9.45	pH Units		6/27/2012
Bicarbonate (HCO3)	SM 2320B	470	mg/L	1.0	6/27/2012
Carbonate (CO3)	SM 2320B	130	mg/L	1.0	6/27/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/27/2012
Total Alkalinity	SM 2320B	600	mg/L as CaCO3	1.0	6/27/2012
Chloride	EPA 300.0	24	mg/L	10	6/27/2012

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Customer Sample ID: 63304 Final Barren

Collect Date/Time: 6/27/2012 09:00

WETLAB Sample ID: 1206607-002

Receive Date: 6/27/2012 10:10

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Fluoride	EPA 300.0	4.4	mg/L	1.0	6/27/2012
Sulfate	EPA 300.0	260	mg/L	10	6/27/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	0.71	mg/L	0.10	7/3/2012
Total Kjeldahl Nitrogen	EPA 351.2	120	mg/L	5.0	7/11/2012
Total Nitrogen	Calc.	120	mg/L	1.1	7/11/2012
Total Dissolved Solids (TDS)	SM 2540C	1800	mg/L	10	6/28/2012
Aluminum	EPA 200.7	1.5	mg/L	0.045	7/5/2012
Barium	EPA 200.7	0.033	mg/L	0.010	7/5/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	7/5/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Boron	EPA 200.7	0.17	mg/L	0.10	7/5/2012
Cadmium	EPA 200.7	0.013	mg/L	0.0010	7/5/2012
Calcium	EPA 200.7	29	mg/L	0.50	7/5/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	7/5/2012
Cobalt	EPA 200.7	0.21	mg/L	0.010	7/5/2012
Copper	EPA 200.7	4.8	mg/L	0.050	7/5/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Iron	EPA 200.7	8.9	mg/L	0.010	7/5/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	7/5/2012
Manganese	EPA 200.7	0.022	mg/L	0.0050	7/5/2012
Molybdenum	EPA 200.7	0.13	mg/L	0.010	7/5/2012
Nickel	EPA 200.7	0.061	mg/L	0.010	7/5/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	7/5/2012
Potassium	EPA 200.7	8.1	mg/L	0.50	7/5/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	7/5/2012
Sodium	EPA 200.7	680	mg/L	2.5	7/6/2012
Strontium	EPA 200.7	0.49	mg/L	0.10	7/5/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Vanadium	EPA 200.7	0.20	mg/L	0.010	7/5/2012
Zinc	EPA 200.7	4.5	mg/L	0.010	7/5/2012
Mercury	EPA 200.8	0.0037	mg/L	0.00010	7/4/2012
Antimony	EPA 200.8	1.3	mg/L	0.020	7/5/2012
Arsenic	EPA 200.8	17	mg/L	0.10	7/5/2012
Lead	EPA 200.8	0.18	mg/L	0.020	7/5/2012
Selenium	EPA 200.8	0.048	mg/L	0.0050	7/4/2012

Customer Sample ID: 63304 Final Barren

Collect Date/Time: 6/27/2012 09:00

WETLAB Sample ID: 1206607-002

Receive Date: 6/27/2012 10:10

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	7/4/2012
Anions	Calculation	18.4	meq/L	0.10	
Cations	Calculation	32.2	meq/L	0.10	
Error	Calculation	27	%	1.0	

Customer Sample ID: 63307 Final Barren

Collect Date/Time: 6/27/2012 09:00

WETLAB Sample ID: 1206607-003

Receive Date: 6/27/2012 10:10

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	180	HT mg/L	5.0	7/16/2012
Thiocyanate	SM 4500 CNM	56	HT mg/L	10	7/17/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	75	mg/L	2.5	7/19/2012
pH	SM 4500-H+ B	9.57	pH Units		6/27/2012
Bicarbonate (HCO3)	SM 2320B	590	mg/L	1.0	6/27/2012
Carbonate (CO3)	SM 2320B	180	mg/L	1.0	6/27/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/27/2012
Total Alkalinity	SM 2320B	780	mg/L as CaCO3	1.0	6/27/2012
Chloride	EPA 300.0	28	mg/L	10	6/27/2012
Fluoride	EPA 300.0	4.7	mg/L	1.0	6/27/2012
Sulfate	EPA 300.0	280	mg/L	10	6/27/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	0.90	mg/L	0.10	7/3/2012
Total Kjeldahl Nitrogen	EPA 351.2	130	mg/L	5.0	7/11/2012
Total Nitrogen	Calc.	130	mg/L	1.1	7/11/2012
Total Dissolved Solids (TDS)	SM 2540C	2100	mg/L	10	6/28/2012
Aluminum	EPA 200.7	1.8	mg/L	0.045	7/5/2012
Barium	EPA 200.7	0.051	mg/L	0.010	7/5/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	7/5/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Boron	EPA 200.7	0.18	mg/L	0.10	7/5/2012
Cadmium	EPA 200.7	0.011	mg/L	0.0010	7/5/2012
Calcium	EPA 200.7	57	mg/L	0.50	7/5/2012
Chromium	EPA 200.7	0.0068	mg/L	0.0050	7/5/2012
Cobalt	EPA 200.7	0.21	mg/L	0.010	7/5/2012
Copper	EPA 200.7	5.0	mg/L	0.050	7/5/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Iron	EPA 200.7	12	mg/L	0.010	7/5/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	7/5/2012

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Customer Sample ID: 63307 Final Barren**Collect Date/Time:** 6/27/2012 09:00**WETLAB Sample ID:** 1206607-003**Receive Date:** 6/27/2012 10:10**PROFILE II_T-N**

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Manganese	EPA 200.7	0.040	mg/L	0.0050	7/5/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	7/5/2012
Nickel	EPA 200.7	0.053	mg/L	0.010	7/5/2012
Phosphorus	EPA 200.7	0.56	mg/L	0.50	7/5/2012
Potassium	EPA 200.7	8.2	mg/L	0.50	7/5/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	7/5/2012
Sodium	EPA 200.7	760	mg/L	2.5	7/6/2012
Strontium	EPA 200.7	0.86	mg/L	0.10	7/5/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	7/5/2012
Vanadium	EPA 200.7	0.22	mg/L	0.010	7/5/2012
Zinc	EPA 200.7	3.7	mg/L	0.010	7/5/2012
Mercury	EPA 200.8	0.0037	mg/L	0.00010	7/4/2012
Antimony	EPA 200.8	1.3	mg/L	0.020	7/5/2012
Arsenic	EPA 200.8	17	mg/L	0.10	7/5/2012
Lead	EPA 200.8	0.24	mg/L	0.020	7/5/2012
Selenium	EPA 200.8	0.046	mg/L	0.0050	7/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	7/4/2012
Anions	Calculation	22.6	meq/L	0.10	
Cations	Calculation	37.2	meq/L	0.10	
Error	Calculation	24	%	1.0	

Customer Sample ID: 63310 Final Barren**Collect Date/Time:** 6/27/2012 09:00**WETLAB Sample ID:** 1206607-004**Receive Date:** 6/27/2012 10:10**PROFILE II_T-N**

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	56	HT mg/L	10	7/17/2012
Cyanate	SM 4500 CNL	170	HT mg/L	5.0	7/16/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	29	mg/L	2.5	7/19/2012
pH	SM 4500-H+ B	9.36	pH Units		6/27/2012
Bicarbonate (HCO3)	SM 2320B	540	mg/L	1.0	6/27/2012
Carbonate (CO3)	SM 2320B	100	mg/L	1.0	6/27/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/27/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO3	1.0	6/27/2012
Chloride	EPA 300.0	25	mg/L	10	6/27/2012
Fluoride	EPA 300.0	4.4	mg/L	1.0	6/27/2012
Sulfate	EPA 300.0	290	mg/L	10	6/27/2012

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Customer Sample ID: 63310 Final Barren

Collect Date/Time: 6/27/2012 09:00

WETLAB Sample ID: 1206607-004

Receive Date: 6/27/2012 10:10

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrate + Nitrite Nitrogen	EPA 353.2	0.82	mg/L	0.10	7/3/2012
Total Kjeldahl Nitrogen	EPA 351.2	120	mg/L	5.0	7/11/2012
Total Nitrogen	Calc.	120	mg/L	1.1	7/11/2012
Total Dissolved Solids (TDS)	SM 2540C	1900	mg/L	10	6/28/2012
Aluminum	EPA 200.7	1.4	mg/L	0.045	7/6/2012
Barium	EPA 200.7	0.051	mg/L	0.010	7/6/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	7/6/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Boron	EPA 200.7	0.11	mg/L	0.10	7/6/2012
Cadmium	EPA 200.7	0.0067	mg/L	0.0010	7/6/2012
Calcium	EPA 200.7	65	mg/L	0.50	7/6/2012
Chromium	EPA 200.7	0.0053	mg/L	0.0050	7/6/2012
Cobalt	EPA 200.7	0.26	mg/L	0.010	7/6/2012
Copper	EPA 200.7	4.0	mg/L	0.050	7/6/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Iron	EPA 200.7	8.7	mg/L	0.010	7/6/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	7/6/2012
Manganese	EPA 200.7	0.022	mg/L	0.0050	7/6/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	7/6/2012
Nickel	EPA 200.7	0.029	mg/L	0.010	7/6/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	7/6/2012
Potassium	EPA 200.7	7.6	mg/L	0.50	7/6/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	7/6/2012
Sodium	EPA 200.7	710	mg/L	2.5	7/6/2012
Strontium	EPA 200.7	0.99	mg/L	0.10	7/6/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Vanadium	EPA 200.7	0.18	mg/L	0.010	7/6/2012
Zinc	EPA 200.7	1.4	mg/L	0.010	7/6/2012
Mercury	EPA 200.8	0.0035	mg/L	0.00010	7/4/2012
Antimony	EPA 200.8	1.4	mg/L	0.020	7/5/2012
Arsenic	EPA 200.8	17	mg/L	0.10	7/5/2012
Lead	EPA 200.8	0.21	mg/L	0.020	7/5/2012
Selenium	EPA 200.8	0.044	mg/L	0.0050	7/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	7/4/2012
Anions	Calculation	19.2	meq/L	0.10	

Customer Sample ID: 63310 Final Barren

Collect Date/Time: 6/27/2012 09:00

WETLAB Sample ID: 1206607-004

Receive Date: 6/27/2012 10:10

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cations	Calculation	35.1	meq/L	0.10	
Error	Calculation	29	%	1.0	

Customer Sample ID: 63313 Final Barren

Collect Date/Time: 6/27/2012 09:00

WETLAB Sample ID: 1206607-005

Receive Date: 6/27/2012 10:10

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	160	HT mg/L	5.0	7/16/2012
Thiocyanate	SM 4500 CNM	55	HT mg/L	10	7/17/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	78	M mg/L	2.5	7/19/2012
pH	SM 4500-H+ B	9.48	pH Units		6/27/2012
Bicarbonate (HCO3)	SM 2320B	650	mg/L	1.0	6/27/2012
Carbonate (CO3)	SM 2320B	140	mg/L	1.0	6/27/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/27/2012
Total Alkalinity	SM 2320B	770	mg/L as CaCO3	1.0	6/27/2012
Chloride	EPA 300.0	42	mg/L	10	6/27/2012
Fluoride	EPA 300.0	4.8	mg/L	1.0	6/27/2012
Sulfate	EPA 300.0	290	mg/L	10	6/27/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	0.87	mg/L	0.10	7/3/2012
Total Kjeldahl Nitrogen	EPA 351.2	110	mg/L	5.0	7/11/2012
Total Nitrogen	Calc.	120	mg/L	1.1	7/11/2012
Total Dissolved Solids (TDS)	SM 2540C	2200	mg/L	10	6/28/2012
Aluminum	EPA 200.7	2.1	mg/L	0.045	7/6/2012
Barium	EPA 200.7	0.10	mg/L	0.010	7/6/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	7/6/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Boron	EPA 200.7	0.11	mg/L	0.10	7/6/2012
Cadmium	EPA 200.7	0.0097	mg/L	0.0010	7/6/2012
Calcium	EPA 200.7	240	mg/L	0.50	7/6/2012
Chromium	EPA 200.7	0.0081	mg/L	0.0050	7/6/2012
Cobalt	EPA 200.7	0.25	mg/L	0.010	7/6/2012
Copper	EPA 200.7	4.7	mg/L	0.050	7/6/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Iron	EPA 200.7	7.6	mg/L	0.010	7/6/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Magnesium	EPA 200.7	0.65	mg/L	0.50	7/6/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	7/6/2012
Molybdenum	EPA 200.7	0.15	mg/L	0.010	7/6/2012

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Customer Sample ID: 63313 Final Barren**Collect Date/Time:** 6/27/2012 09:00**WETLAB Sample ID:** 1206607-005**Receive Date:** 6/27/2012 10:10**PROFILE II_T-N**

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nickel	EPA 200.7	0.048	mg/L	0.010	7/6/2012
Phosphorus	EPA 200.7	0.98	mg/L	0.50	7/6/2012
Potassium	EPA 200.7	9.1	mg/L	0.50	7/6/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	7/6/2012
Sodium	EPA 200.7	800	mg/L	2.5	7/6/2012
Strontium	EPA 200.7	3.8	mg/L	0.10	7/6/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Vanadium	EPA 200.7	0.24	mg/L	0.010	7/6/2012
Zinc	EPA 200.7	2.3	mg/L	0.010	7/6/2012
Mercury	EPA 200.8	0.0041	mg/L	0.00010	7/4/2012
Antimony	EPA 200.8	1.4	mg/L	0.020	7/5/2012
Arsenic	EPA 200.8	19	mg/L	0.10	7/5/2012
Lead	EPA 200.8	0.32	mg/L	0.020	7/5/2012
Selenium	EPA 200.8	0.052	mg/L	0.0050	7/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	7/4/2012
Anions	Calculation	22.9	meq/L	0.10	
Cations	Calculation	47.9	meq/L	0.10	
Error	Calculation	35	%	1.0	

Customer Sample ID: 63316 Final Barren**Collect Date/Time:** 6/27/2012 09:00**WETLAB Sample ID:** 1206607-006**Receive Date:** 6/27/2012 10:10**PROFILE II_T-N**

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	220	HT mg/L	5.0	7/16/2012
Thiocyanate	SM 4500 CNM	60	HT mg/L	10	7/17/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	28	mg/L	2.5	7/19/2012
pH	SM 4500-H+ B	9.51	pH Units		6/27/2012
Bicarbonate (HCO3)	SM 2320B	690	mg/L	1.0	6/27/2012
Carbonate (CO3)	SM 2320B	190	mg/L	1.0	6/27/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/27/2012
Total Alkalinity	SM 2320B	890	mg/L as CaCO3	1.0	6/27/2012
Chloride	EPA 300.0	30	mg/L	10	6/27/2012
Fluoride	EPA 300.0	4.4	mg/L	1.0	6/27/2012
Sulfate	EPA 300.0	270	mg/L	10	6/27/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	0.76	mg/L	0.10	7/3/2012
Total Kjeldahl Nitrogen	EPA 351.2	140	mg/L	5.0	7/11/2012

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Customer Sample ID: 63316 Final Barren

Collect Date/Time: 6/27/2012 09:00

WETLAB Sample ID: 1206607-006

Receive Date: 6/27/2012 10:10

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Nitrogen	Calc.	140	mg/L	1.1	7/11/2012
Total Dissolved Solids (TDS)	SM 2540C	2300	mg/L	10	6/28/2012
Aluminum	EPA 200.7	2.0	mg/L	0.045	7/6/2012
Barium	EPA 200.7	0.058	mg/L	0.010	7/6/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	7/6/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Boron	EPA 200.7	0.12	mg/L	0.10	7/6/2012
Cadmium	EPA 200.7	0.0055	mg/L	0.0010	7/6/2012
Calcium	EPA 200.7	58	mg/L	0.50	7/6/2012
Chromium	EPA 200.7	0.0067	mg/L	0.0050	7/6/2012
Cobalt	EPA 200.7	0.27	mg/L	0.010	7/6/2012
Copper	EPA 200.7	3.9	mg/L	0.050	7/6/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Iron	EPA 200.7	7.0	mg/L	0.010	7/6/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Magnesium	EPA 200.7	<0.50	mg/L	0.50	7/6/2012
Manganese	EPA 200.7	0.032	mg/L	0.0050	7/6/2012
Molybdenum	EPA 200.7	0.14	mg/L	0.010	7/6/2012
Nickel	EPA 200.7	0.035	mg/L	0.010	7/6/2012
Phosphorus	EPA 200.7	0.70	mg/L	0.50	7/6/2012
Potassium	EPA 200.7	12	mg/L	0.50	7/6/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	7/6/2012
Sodium	EPA 200.7	840	mg/L	2.5	7/6/2012
Strontium	EPA 200.7	0.92	mg/L	0.10	7/6/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Titanium	EPA 200.7	0.10	mg/L	0.10	7/6/2012
Vanadium	EPA 200.7	0.23	mg/L	0.010	7/6/2012
Zinc	EPA 200.7	1.2	mg/L	0.010	7/6/2012
Mercury	EPA 200.8	0.0041	mg/L	0.00010	7/4/2012
Antimony	EPA 200.8	1.4	mg/L	0.020	7/5/2012
Arsenic	EPA 200.8	17	mg/L	0.10	7/5/2012
Lead	EPA 200.8	0.26	mg/L	0.020	7/5/2012
Selenium	EPA 200.8	0.041	mg/L	0.0050	7/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	7/4/2012
Anions	Calculation	24.4	meq/L	0.10	
Cations	Calculation	40.5	meq/L	0.10	
Error	Calculation	25	%	1.0	

Customer Sample ID: 63319 Final Barren

Collect Date/Time: 6/27/2012 09:00

WETLAB Sample ID: 1206607-007

Receive Date: 6/27/2012 10:10

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	120	HT mg/L	5.0	7/16/2012
Thiocyanate	SM 4500 CNM	37	HT mg/L	10	7/17/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	60	mg/L	2.5	7/19/2012
pH	SM 4500-H+ B	9.91	pH Units		6/27/2012
Bicarbonate (HCO3)	SM 2320B	320	mg/L	1.0	6/27/2012
Carbonate (CO3)	SM 2320B	220	mg/L	1.0	6/27/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/27/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO3	1.0	6/27/2012
Chloride	EPA 300.0	55	mg/L	10	6/27/2012
Fluoride	EPA 300.0	3.1	mg/L	1.0	6/27/2012
Sulfate	EPA 300.0	340	mg/L	10	6/27/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	3.3	mg/L	0.10	7/3/2012
Total Kjeldahl Nitrogen	EPA 351.2	70	mg/L	5.0	7/11/2012
Total Nitrogen	Calc.	180	mg/L	1.1	7/11/2012
Total Dissolved Solids (TDS)	SM 2540C	1300	mg/L	10	6/28/2012
Aluminum	EPA 200.7	0.94	mg/L	0.045	7/6/2012
Barium	EPA 200.7	0.059	mg/L	0.010	7/6/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	7/6/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Boron	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Cadmium	EPA 200.7	0.0099	mg/L	0.0010	7/6/2012
Calcium	EPA 200.7	120	mg/L	0.50	7/6/2012
Chromium	EPA 200.7	0.011	mg/L	0.0050	7/6/2012
Cobalt	EPA 200.7	0.13	mg/L	0.010	7/6/2012
Copper	EPA 200.7	3.0	mg/L	0.050	7/6/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Iron	EPA 200.7	3.4	mg/L	0.010	7/6/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Magnesium	EPA 200.7	0.57	mg/L	0.50	7/6/2012
Manganese	EPA 200.7	0.027	mg/L	0.0050	7/6/2012
Molybdenum	EPA 200.7	0.058	mg/L	0.010	7/6/2012
Nickel	EPA 200.7	0.14	mg/L	0.010	7/6/2012
Phosphorus	EPA 200.7	0.62	mg/L	0.50	7/6/2012
Potassium	EPA 200.7	6.0	mg/L	0.50	7/6/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	7/6/2012
Sodium	EPA 200.7	490	mg/L	0.50	7/6/2012
Strontium	EPA 200.7	2.1	mg/L	0.10	7/6/2012

Customer Sample ID: 63319 Final Barren**Collect Date/Time:** 6/27/2012 09:00**WETLAB Sample ID:** 1206607-007**Receive Date:** 6/27/2012 10:10**PROFILE II_T-N**

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Tin	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Vanadium	EPA 200.7	0.19	mg/L	0.010	7/6/2012
Zinc	EPA 200.7	3.7	mg/L	0.010	7/6/2012
Mercury	EPA 200.8	0.0026	mg/L	0.00010	7/4/2012
Antimony	EPA 200.8	0.62	mg/L	0.020	7/5/2012
Arsenic	EPA 200.8	12	mg/L	0.10	7/5/2012
Lead	EPA 200.8	0.17	mg/L	0.020	7/5/2012
Selenium	EPA 200.8	0.031	mg/L	0.0050	7/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	7/4/2012
Anions	Calculation	22.1	meq/L	0.10	
Cations	Calculation	28.0	meq/L	0.10	
Error	Calculation	12	%	1.0	

Customer Sample ID: 63322 Final Barren**Collect Date/Time:** 6/27/2012 09:00**WETLAB Sample ID:** 1206607-008**Receive Date:** 6/27/2012 10:10**PROFILE II_T-N**

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	42	HT mg/L	10	7/17/2012
Cyanate	SM 4500 CNL	160	HT mg/L	5.0	7/16/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	74	mg/L	2.5	7/19/2012
pH	SM 4500-H+ B	9.81	pH Units		6/27/2012
Bicarbonate (HCO3)	SM 2320B	330	mg/L	1.0	6/27/2012
Carbonate (CO3)	SM 2320B	180	mg/L	1.0	6/27/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	6/27/2012
Total Alkalinity	SM 2320B	560	mg/L as CaCO3	1.0	6/27/2012
Chloride	EPA 300.0	390	mg/L	10	6/27/2012
Fluoride	EPA 300.0	2.8	mg/L	1.0	6/27/2012
Sulfate	EPA 300.0	260	mg/L	10	6/27/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	2.6	mg/L	0.10	7/3/2012
Total Kjeldahl Nitrogen	EPA 351.2	78	mg/L	5.0	7/11/2012
Total Nitrogen	Calc.	81	mg/L	1.1	7/11/2012
Total Dissolved Solids (TDS)	SM 2540C	2000	mg/L	10	6/28/2012
Aluminum	EPA 200.7	0.71	mg/L	0.045	7/6/2012
Barium	EPA 200.7	0.047	mg/L	0.010	7/6/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	7/6/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Boron	EPA 200.7	0.24	mg/L	0.10	7/6/2012

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Customer Sample ID: 63322 Final Barren

Collect Date/Time: 6/27/2012 09:00

WETLAB Sample ID: 1206607-008

Receive Date: 6/27/2012 10:10

PROFILE II_T-N

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cadmium	EPA 200.7	0.0082	mg/L	0.0010	7/6/2012
Calcium	EPA 200.7	100	mg/L	0.50	7/6/2012
Chromium	EPA 200.7	0.0095	mg/L	0.0050	7/6/2012
Cobalt	EPA 200.7	0.13	mg/L	0.010	7/6/2012
Copper	EPA 200.7	2.2	mg/L	0.050	7/6/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Iron	EPA 200.7	4.7	mg/L	0.010	7/6/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Magnesium	EPA 200.7	1.7	mg/L	0.50	7/6/2012
Manganese	EPA 200.7	0.23	mg/L	0.0050	7/6/2012
Molybdenum	EPA 200.7	0.080	mg/L	0.010	7/6/2012
Nickel	EPA 200.7	0.056	mg/L	0.010	7/6/2012
Phosphorus	EPA 200.7	0.57	mg/L	0.50	7/6/2012
Potassium	EPA 200.7	8.6	mg/L	0.50	7/6/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	7/6/2012
Sodium	EPA 200.7	750	mg/L	2.5	7/6/2012
Strontium	EPA 200.7	1.8	mg/L	0.10	7/6/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	7/6/2012
Vanadium	EPA 200.7	0.16	mg/L	0.010	7/6/2012
Zinc	EPA 200.7	4.5	mg/L	0.010	7/6/2012
Mercury	EPA 200.8	0.0032	mg/L	0.00010	7/4/2012
Antimony	EPA 200.8	0.63	mg/L	0.020	7/5/2012
Arsenic	EPA 200.8	11	mg/L	0.10	7/5/2012
Lead	EPA 200.8	0.082	mg/L	0.0025	7/4/2012
Selenium	EPA 200.8	0.023	mg/L	0.0050	7/4/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	7/4/2012
Anions	Calculation	28.2	meq/L	0.10	
Cations	Calculation	38.5	meq/L	0.10	
Error	Calculation	16	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12061042	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12061042	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12061042	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12061047	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12061047	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12061047	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12061052	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12061052	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12061052	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12070055	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12070055	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12070055	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12070127	Blank 1	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L
QC12070127	Blank 2	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L
QC12070127	Blank 3	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L
QC12070127	Blank 4	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L
QC12070127	Blank 5	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L
QC12070156	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
QC12070193	Blank 1	Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12070378	Blank 1	Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
		Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12070378	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12070378	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12070378	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12070511	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12070511	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12070511	Blank 3	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12070560	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12070560	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12070560	Blank 3	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12070594	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12070594	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12070594	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12061042	LCS 1	Fluoride	EPA 300.0	1.87	2.00	94	mg/L
QC12061043	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12061043	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC12061046	LCS 1	Alkalinity	SM 2320B	100	100	100	mg/L
QC12061046	LCS 2	Alkalinity	SM 2320B	90.6	100	91	mg/L
QC12061047	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC12061052	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC12070055	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	153	150	102	mg/L
QC12070055	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	157	150	105	mg/L
QC12070055	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	160	150	107	mg/L
QC12070127	LCS 1	Nitrate + Nitrite Nitrogen	EPA 353.2	0.800	0.800	100	mg/L
QC12070127	LCS 2	Nitrate + Nitrite Nitrogen	EPA 353.2	0.789	0.800	99	mg/L
QC12070156	LCS 1	Mercury	EPA 200.8	0.001048	0.001	105	mg/L
		Antimony	EPA 200.8	0.0088	0.010	88	mg/L
		Arsenic	EPA 200.8	0.0497	0.050	100	mg/L
		Lead	EPA 200.8	0.0099	0.010	98	mg/L
		Selenium	EPA 200.8	0.0435	0.050	87	mg/L
		Thallium	EPA 200.8	0.0096	0.010	96	mg/L
		Aluminum	EPA 200.7	1.04	1.00	104	mg/L
		Barium	EPA 200.7	1.05	1.00	105	mg/L
		Beryllium	EPA 200.7	1.02	1.00	102	mg/L
		Bismuth	EPA 200.7	1.04	1.00	104	mg/L
QC12070193	LCS 1	Boron	EPA 200.7	0.932	1.00	93	mg/L
		Cadmium	EPA 200.7	1.08	1.00	108	mg/L
		Calcium	EPA 200.7	10.7	10.0	107	mg/L
		Chromium	EPA 200.7	1.02	1.00	102	mg/L
		Cobalt	EPA 200.7	1.06	1.00	106	mg/L
		Copper	EPA 200.7	5.14	5.00	103	mg/L
		Gallium	EPA 200.7	1.01	1.00	101	mg/L
		Iron	EPA 200.7	1.03	1.00	103	mg/L
		Lithium	EPA 200.7	1.02	1.00	102	mg/L
		Magnesium	EPA 200.7	10.8	10.0	108	mg/L
		Manganese	EPA 200.7	1.06	1.00	106	mg/L
		Molybdenum	EPA 200.7	1.00	1.00	100	mg/L
		Nickel	EPA 200.7	5.33	5.00	107	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Phosphorus	EPA 200.7	5.35	5.00	107	mg/L	
		Potassium	EPA 200.7	10.5	10.0	105	mg/L	
		Scandium	EPA 200.7	1.00	1.00	100	mg/L	
		Silver	EPA 200.7	0.078	0.090	86	mg/L	
		Sodium	EPA 200.7	9.99	10.0	100	mg/L	
		Strontium	EPA 200.7	0.939	1.00	94	mg/L	
		Tin	EPA 200.7	1.02	1.00	102	mg/L	
		Titanium	EPA 200.7	1.04	1.00	104	mg/L	
		Vanadium	EPA 200.7	1.02	1.00	102	mg/L	
		Zinc	EPA 200.7	1.13	1.00	113	mg/L	
QC12070378	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.648	0.690	94	mg/L	
QC12070378	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.704	0.690	102	mg/L	
QC12070511	LCS 1	Cyanate	SM 4500 CNL	0.956	1.00	96	mg/L	
QC12070594	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.974	1.00	97	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12061043	Duplicate	pH	SM 4500-H+ B	1206601-001	7.86	7.92	pH Units	1 %
QC12061043	Duplicate	pH	SM 4500-H+ B	1206606-005	6.77	6.60	Q pH Units	3 %
QC12061043	Duplicate	pH	SM 4500-H+ B	1206611-002	6.04	5.84	Q pH Units	3 %
QC12061043	Duplicate	pH	SM 4500-H+ B	1206614-001	7.96	8.01	pH Units	1 %
QC12061043	Duplicate	pH	SM 4500-H+ B	1206593-003	7.56	7.50	pH Units	1 %
QC12061046	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206601-001	86.1	86.0	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1206601-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1206601-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1206601-001	70.6	70.6	mg/L as CaCO3	<1%
QC12061046	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206606-005	12.6	12.4	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1206606-005	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1206606-005	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1206606-005	10.4	10.2	mg/L as CaCO3	1 %
QC12061046	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206611-002	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1206611-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1206611-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1206611-002	<1.000	<1.000	mg/L as CaCO3	<1%
QC12061046	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206614-001	97.0	95.0	mg/L	2 %
		Carbonate (CO3)	SM 2320B	1206614-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1206614-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1206614-001	79.6	77.9	mg/L as CaCO3	2 %
QC12061046	Duplicate	Bicarbonate (HCO3)	SM 2320B	1206593-003	71.6	72.1	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1206593-003	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1206593-003	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1206593-003	58.7	59.1	mg/L as CaCO3	1 %
QC12070055	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1206601-001	978	998	mg/L	2 %
QC12070055	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1206601-002	1060	992	Q mg/L	7 %
QC12070055	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1206602-003	321	326	mg/L	2 %
QC12070055	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1206607-002	1828	1892	mg/L	3 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12070055	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1206611-004	718	688	mg/L	4 %
QC12070055	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1206518-001	76.0	80.0	mg/L	<1%
QC12070511	Duplicate	Cyanate	SM 4500 CNL	1206607-008	156	155	HT mg/L	1 %
QC12070511	Duplicate	Cyanate	SM 4500 CNL	1207071-031	<2.500	<2.500	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12061042	MS 1	Fluoride	EPA 300.0	1206607-004	4.37	23.1	23.0	2.00	mg/L	94	93	<1%
QC12061042	MS 2	Fluoride	EPA 300.0	1206606-001	<0.100	2.30	2.24	2.00	mg/L	112	109	3 %
QC12061047	MS 1	Chloride	EPA 300.0	1206607-004	25.3	6.79	6.72	5.00	mg/L	106	105	1 %
QC12061047	MS 2	Chloride	EPA 300.0	1206606-001	1.48	78.8	78.7	5.00	mg/L	107	107	<1%
QC12061052	MS 1	Sulfate	EPA 300.0	1206607-004	285	384	385	10.0	mg/L	99	100	<1%
QC12061052	MS 2	Sulfate	EPA 300.0	1206606-001	5.23	15.8	16.1	10.0	mg/L	106	108	2 %
QC12070127	MS 1	Nitrate + Nitrite Nitrogen	EPA 353.2	1206581-001	<0.100	10.1	10.1	1.00	mg/L	101	101	<1%
QC12070127	MS 2	Nitrate + Nitrite Nitrogen	EPA 353.2	1206581-007	<0.100	9.81	9.83	1.00	mg/L	98	98	<1%
QC12070127	MS 3	Nitrate + Nitrite Nitrogen	EPA 353.2	1206606-004	<0.100	10.00	9.99	1.00	mg/L	100	100	<1%
QC12070127	MS 4	Nitrate + Nitrite Nitrogen	EPA 353.2	1206607-007	3.26	12.7	12.7	1.00	mg/L	94	94	<1%
QC12070156	MS 1	Mercury	EPA 200.8	1206631-002	<0.00010	0.001087	0.001068	0.001	mg/L	104	102	2 %
		Antimony	EPA 200.8	1206631-002	<0.0025	0.0091	0.0086	0.010	mg/L	90	85	6 %
		Arsenic	EPA 200.8	1206631-002	<0.0050	0.0496	0.0477	0.050	mg/L	94	91	4 %
		Lead	EPA 200.8	1206631-002	<0.0025	0.0093	0.0088	0.010	mg/L	91	86	6 %
		Selenium	EPA 200.8	1206631-002	<0.0050	0.0403	0.0394	0.050	mg/L	80	79	2 %
		Thallium	EPA 200.8	1206631-002	<0.0010	0.0087	0.0082	0.010	mg/L	87	82	6 %
QC12070193	MS 1	Aluminum	EPA 200.7	1206631-002	0.431	M 1.92	1.97	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1206631-002	0.071	1.05	1.02	1.00	mg/L	98	95	3 %
		Beryllium	EPA 200.7	1206631-002	<0.001	0.957	0.949	1.00	mg/L	96	95	1 %
		Bismuth	EPA 200.7	1206631-002	<0.100	0.948	0.935	1.00	mg/L	95	94	1 %
		Boron	EPA 200.7	1206631-002	0.231	1.19	1.16	1.00	mg/L	96	93	3 %
		Cadmium	EPA 200.7	1206631-002	<0.001	0.970	0.942	1.00	mg/L	97	94	3 %
		Calcium	EPA 200.7	1206631-002	48.9	59.3	58.5	10.0	mg/L	104	96	1 %
		Chromium	EPA 200.7	1206631-002	<0.005	0.953	0.932	1.00	mg/L	95	93	2 %
		Cobalt	EPA 200.7	1206631-002	<0.010	0.967	0.942	1.00	mg/L	97	94	3 %
		Copper	EPA 200.7	1206631-002	<0.050	4.98	4.90	5.00	mg/L	100	98	2 %
		Gallium	EPA 200.7	1206631-002	<0.100	0.939	0.929	1.00	mg/L	94	93	1 %
		Iron	EPA 200.7	1206631-002	0.526	1.79	1.83	1.00	mg/L	126	130	2 %
		Lithium	EPA 200.7	1206631-002	<0.100	1.06	1.05	1.00	mg/L	99	98	1 %
		Magnesium	EPA 200.7	1206631-002	11.2	21.3	20.9	10.0	mg/L	101	97	2 %
		Manganese	EPA 200.7	1206631-002	0.016	0.991	0.967	1.00	mg/L	97	95	2 %
		Molybdenum	EPA 200.7	1206631-002	<0.010	0.945	0.931	1.00	mg/L	94	93	1 %
		Nickel	EPA 200.7	1206631-002	<0.010	4.84	4.71	5.00	mg/L	97	94	3 %
		Phosphorus	EPA 200.7	1206631-002	<0.500	5.03	4.91	5.00	mg/L	99	96	2 %
		Potassium	EPA 200.7	1206631-002	4.00	14.6	14.5	10.0	mg/L	106	105	1 %
		Scandium	EPA 200.7	1206631-002	<0.100	0.955	0.952	1.00	mg/L	95	95	<1%
		Silver	EPA 200.7	1206631-002	<0.005	0.086	0.086	0.090	mg/L	95	95	<1%
		Sodium	EPA 200.7	1206631-002	51.7	64.5	65.2	10.0	mg/L	128	135	1 %
		Strontium	EPA 200.7	1206631-002	0.340	1.30	1.34	1.00	mg/L	96	100	3 %
		Tin	EPA 200.7	1206631-002	<0.100	0.934	0.911	1.00	mg/L	97	94	2 %
		Titanium	EPA 200.7	1206631-002	<0.100	1.03	1.04	1.00	mg/L	101	102	1 %
		Vanadium	EPA 200.7	1206631-002	0.020	0.983	0.960	1.00	mg/L	96	94	2 %
		Zinc	EPA 200.7	1206631-002	<0.010	1.01	0.980	1.00	mg/L	100	97	3 %
QC12070378	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1206606-005	0.105	0.780	0.746	0.690	mg/L	98	93	4 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12070378	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1206607-001	88.7	SC 82.0	82.4	0.690	mg/L	NC	NC	NC
QC12070378	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1206629-006	0.202	0.902	0.795	0.690	mg/L	101	86	13 %
QC12070560	MS 1	Thiocyanate	SM 4500 CN	1206607-001	40.7	HT 90.0	90.6	0.500	mg/L	99	100	1 %
QC12070560	MS 2	Thiocyanate	SM 4500 CN	1207070-003	14.6	62.4	70.8	0.500	mg/L	96	112	13 %
QC12070594	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1206607-005	77.5	M 184	185	1.00	mg/L	NC	NC	NC
QC12070594	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1207260-002	<0.050	0.954	0.962	1.00	mg/L	95	96	1 %

7/27/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Jim Defilippi

OrderID: 1207283

Dear: Jim Defilippi

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 7/13/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1207283

General Comments

None

Specific Comments

None

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Jim Defilippi

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 7/27/2012

OrderID: 1207283

Customer Sample ID: 63301

Collect Date/Time: 7/13/2012 09:00

WETLAB Sample ID: 1207283-001

Receive Date: 7/13/2012 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	45	mg/L	10	7/20/2012
Cyanate	SM 4500 CNL	100	mg/L	2.5	7/18/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	31	mg/L	1.2	7/18/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	0.89	mg/L	0.10	7/16/2012
Total Kjeldahl Nitrogen	EPA 351.2	85	mg/L	5.0	7/26/2012
Total Nitrogen	Calc.	86	mg/L	1.1	7/26/2012

Customer Sample ID: 63304

Collect Date/Time: 7/13/2012 09:00

WETLAB Sample ID: 1207283-002

Receive Date: 7/13/2012 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	55	mg/L	10	7/20/2012
Cyanate	SM 4500 CNL	140	mg/L	5.0	7/18/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	55	mg/L	2.5	7/18/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	0.86	mg/L	0.10	7/16/2012
Total Kjeldahl Nitrogen	EPA 351.2	110	mg/L	5.0	7/26/2012
Total Nitrogen	Calc.	110	mg/L	1.1	7/26/2012

Customer Sample ID: 63307

Collect Date/Time: 7/13/2012 09:00

WETLAB Sample ID: 1207283-003

Receive Date: 7/13/2012 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	57	mg/L	10	7/20/2012
Cyanate	SM 4500 CNL	160	mg/L	5.0	7/18/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	71	mg/L	2.5	7/18/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	0.84	mg/L	0.10	7/16/2012

Page 3 of 5

Customer Sample ID: 63307

Collect Date/Time: 7/13/2012 09:00

WETLAB Sample ID: 1207283-003

Receive Date: 7/13/2012 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Kjeldahl Nitrogen	EPA 351.2	160	mg/L	5.0	7/26/2012
Total Nitrogen	Calc.	160	mg/L	0.070	7/26/2012

Customer Sample ID: 63319

Collect Date/Time: 7/13/2012 09:00

WETLAB Sample ID: 1207283-004

Receive Date: 7/13/2012 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	110	mg/L	5.0	7/18/2012
Thiocyanate	SM 4500 CNM	23	mg/L	10	7/20/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	44	mg/L	2.5	7/18/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	2.9	mg/L	0.10	7/16/2012
Total Kjeldahl Nitrogen	EPA 351.2	84	mg/L	5.0	7/26/2012
Total Nitrogen	Calc.	87	mg/L	1.1	7/26/2012

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12070495	Blank 1	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L
QC12070495	Blank 2	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L
QC12070495	Blank 3	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L
QC12070566	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12070566	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12070566	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12070572	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12070572	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12070572	Blank 3	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12070678	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12070678	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12070678	Blank 3	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12070678	Blank 4	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12070859	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12070859	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12070859	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12070859	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12070495	LCS 1	Nitrate + Nitrite Nitrogen	EPA 353.2	0.760	0.800	95	mg/L
QC12070566	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.889	1.00	89	mg/L
QC12070566	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.953	1.00	95	mg/L
QC12070572	LCS 1	Cyanate	SM 4500 CNL	1.01	1.00	101	mg/L
QC12070859	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.661	0.690	96	mg/L
QC12070859	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.657	0.690	95	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12070572	Duplicate	Cyanate	SM 4500 CNL	1207082-010	16.0	11.7	Q	31 %
QC12070572	Duplicate	Cyanate	SM 4500 CNL	1207283-004	113	117		3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12070495	MS 1	Nitrate + Nitrite Nitrogen	EPA 353.2	1207139-001	0.474	10.3	10.7	1.00	mg/L	98	107	4 %
QC12070495	MS 2	Nitrate + Nitrite Nitrogen	EPA 353.2	1207213-001	<0.100	9.75	10.2	1.00	mg/L	98	102	5 %
QC12070566	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1207243-003	0.255	M 0.931	1.12	1.00	mg/L	NC	NC	NC
QC12070566	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1207243-008	0.102	M 0.855	0.896	1.00	mg/L	NC	NC	NC
QC12070678	MS 1	Thiocyanate	SM 4500 CN	1207081-001	288	HT 337	338	0.500	mg/L	98	101	<1%
QC12070678	MS 2	Thiocyanate	SM 4500 CN	1207081-011	27.4	HT 7.56	7.75	0.500	mg/L	96	100	2 %
QC12070678	MS 3	Thiocyanate	SM 4500 CN	1207259-004	82.2	130	132	0.500	mg/L	96	99	2 %
QC12070859	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1207481-001	15.0	SC 19.7	19.6	0.690	mg/L	NC	NC	NC
QC12070859	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1207284-003	147	SC 162	151	0.690	mg/L	NC	NC	NC
QC12070859	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1207393-009	1.71	2.45	2.33	0.690	mg/L	108	90	5 %

8/15/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Jim Defilippi

OrderID: 1207631

Dear: Jim Defilippi

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 7/31/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1207631

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1207631-001 Potassium

1207631-003 Potassium

1207631-004 Potassium

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Jim Defilippi

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 8/15/2012

OrderID: 1207631

Customer Sample ID: 63301, 30 July

Collect Date/Time: 7/31/2012 08:00

WETLAB Sample ID: 1207631-001

Receive Date: 7/31/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	53	mg/L	10	8/6/2012
Cyanate	SM 4500 CNL	<2.5	mg/L	2.5	8/7/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	3.1	mg/L	0.25	8/6/2012
Nitrate Nitrogen	EPA 300.0	<0.20	mg/L	0.20	7/31/2012
Nitrite Nitrogen	EPA 300.0	0.82	mg/L	0.20	7/31/2012
Total Kjeldahl Nitrogen	EPA 351.2	44	mg/L	5.0	8/15/2012
Total Nitrogen	Calc.	45	mg/L	0.070	8/15/2012
Aluminum	EPA 200.7	6.9	mg/L	0.45	8/9/2012
Barium	EPA 200.7	0.11	mg/L	0.10	8/9/2012
Beryllium	EPA 200.7	<0.010	mg/L	0.010	8/9/2012
Bismuth	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Boron	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Cadmium	EPA 200.7	<0.010	mg/L	0.010	8/9/2012
Calcium	EPA 200.7	20	mg/L	5.0	8/9/2012
Chromium	EPA 200.7	<0.050	mg/L	0.050	8/9/2012
Cobalt	EPA 200.7	0.34	mg/L	0.10	8/9/2012
Copper	EPA 200.7	<0.50	mg/L	0.50	8/9/2012
Gallium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Iron	EPA 200.7	15	mg/L	0.10	8/9/2012
Lithium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Magnesium	EPA 200.7	<5.0	mg/L	5.0	8/9/2012
Manganese	EPA 200.7	0.13	mg/L	0.050	8/9/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.10	8/9/2012
Nickel	EPA 200.7	<0.10	mg/L	0.10	8/9/2012
Phosphorus	EPA 200.7	<5.0	mg/L	5.0	8/9/2012
Potassium	EPA 200.7	<25	mg/L	25	8/10/2012
Scandium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012

Customer Sample ID: 63301, 30 July**Collect Date/Time:** 7/31/2012 08:00**WETLAB Sample ID:** 1207631-001**Receive Date:** 7/31/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Silver	EPA 200.7	<0.050	mg/L	0.050	8/9/2012
Sodium	EPA 200.7	720	mg/L	5.0	8/9/2012
Strontium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Tin	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Titanium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Vanadium	EPA 200.7	<0.10	mg/L	0.10	8/9/2012
Zinc	EPA 200.7	0.14	mg/L	0.10	8/9/2012
Mercury	EPA 200.8	0.0057	mg/L	0.0010	8/9/2012
Antimony	EPA 200.8	1.9	mg/L	0.25	8/10/2012
Arsenic	EPA 200.8	22	mg/L	0.50	8/10/2012
Lead	EPA 200.8	0.70	mg/L	0.025	8/9/2012
Selenium	EPA 200.8	0.064	mg/L	0.050	8/9/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	8/9/2012

Customer Sample ID: 63304, 30 July**Collect Date/Time:** 7/31/2012 08:00**WETLAB Sample ID:** 1207631-002**Receive Date:** 7/31/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	63	mg/L	2.5	8/7/2012
Thiocyanate	SM 4500 CNM	65	mg/L	10	8/6/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	49	mg/L	1.2	8/6/2012
Nitrate Nitrogen	EPA 300.0	<0.20	mg/L	0.20	7/31/2012
Nitrite Nitrogen	EPA 300.0	0.38	mg/L	0.20	7/31/2012
Total Kjeldahl Nitrogen	EPA 351.2	98	mg/L	5.0	8/15/2012
Total Nitrogen	Calc.	99	mg/L	0.070	8/15/2012
Aluminum	EPA 200.7	7.2	mg/L	0.45	8/9/2012
Barium	EPA 200.7	<0.10	mg/L	0.10	8/9/2012
Beryllium	EPA 200.7	<0.010	mg/L	0.010	8/9/2012
Bismuth	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Boron	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Cadmium	EPA 200.7	<0.010	mg/L	0.010	8/9/2012
Calcium	EPA 200.7	19	mg/L	5.0	8/9/2012
Chromium	EPA 200.7	<0.050	mg/L	0.050	8/9/2012
Cobalt	EPA 200.7	0.44	mg/L	0.10	8/9/2012
Copper	EPA 200.7	<0.50	mg/L	0.50	8/9/2012
Gallium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Iron	EPA 200.7	12	mg/L	0.10	8/9/2012
Lithium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012

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Customer Sample ID: 63304, 30 July

Collect Date/Time: 7/31/2012 08:00

WETLAB Sample ID: 1207631-002

Receive Date: 7/31/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Magnesium	EPA 200.7	<5.0	mg/L	5.0	8/9/2012
Manganese	EPA 200.7	0.14	mg/L	0.050	8/9/2012
Molybdenum	EPA 200.7	0.21	mg/L	0.10	8/9/2012
Nickel	EPA 200.7	<0.10	mg/L	0.10	8/9/2012
Phosphorus	EPA 200.7	<5.0	mg/L	5.0	8/9/2012
Potassium	EPA 200.7	5.6	mg/L	5.0	8/9/2012
Scandium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Silver	EPA 200.7	<0.050	mg/L	0.050	8/9/2012
Sodium	EPA 200.7	760	mg/L	5.0	8/9/2012
Strontium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Tin	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Titanium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Vanadium	EPA 200.7	<0.10	mg/L	0.10	8/9/2012
Zinc	EPA 200.7	0.12	mg/L	0.10	8/9/2012
Mercury	EPA 200.8	0.0070	mg/L	0.0010	8/9/2012
Antimony	EPA 200.8	1.9	mg/L	0.25	8/10/2012
Arsenic	EPA 200.8	22	mg/L	0.50	8/10/2012
Lead	EPA 200.8	0.76	mg/L	0.025	8/9/2012
Selenium	EPA 200.8	0.065	mg/L	0.050	8/9/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	8/9/2012

Customer Sample ID: 63307, 30 July

Collect Date/Time: 7/31/2012 08:00

WETLAB Sample ID: 1207631-003

Receive Date: 7/31/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	100	mg/L	2.5	8/7/2012
Thiocyanate	SM 4500 CNM	76	mg/L	10	8/6/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	62	mg/L	2.5	8/6/2012
Nitrate Nitrogen	EPA 300.0	<0.20	mg/L	0.20	7/31/2012
Nitrite Nitrogen	EPA 300.0	1.0	mg/L	0.20	7/31/2012
Total Kjeldahl Nitrogen	EPA 351.2	120	mg/L	5.0	8/15/2012
Total Nitrogen	Calc.	120	mg/L	0.070	8/15/2012
Aluminum	EPA 200.7	6.9	mg/L	0.45	8/9/2012
Barium	EPA 200.7	0.10	mg/L	0.10	8/9/2012
Beryllium	EPA 200.7	<0.010	mg/L	0.010	8/9/2012
Bismuth	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Boron	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Cadmium	EPA 200.7	<0.010	mg/L	0.010	8/9/2012

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Customer Sample ID: 63307, 30 July**Collect Date/Time:** 7/31/2012 08:00**WETLAB Sample ID:** 1207631-003**Receive Date:** 7/31/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium	EPA 200.7	19	mg/L	5.0	8/9/2012
Chromium	EPA 200.7	<0.050	mg/L	0.050	8/9/2012
Cobalt	EPA 200.7	0.53	mg/L	0.10	8/9/2012
Copper	EPA 200.7	<0.50	mg/L	0.50	8/9/2012
Gallium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Iron	EPA 200.7	17	mg/L	0.10	8/9/2012
Lithium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Magnesium	EPA 200.7	<5.0	mg/L	5.0	8/9/2012
Manganese	EPA 200.7	0.15	mg/L	0.050	8/9/2012
Molybdenum	EPA 200.7	0.23	mg/L	0.10	8/9/2012
Nickel	EPA 200.7	<0.10	mg/L	0.10	8/9/2012
Phosphorus	EPA 200.7	5.2	mg/L	5.0	8/9/2012
Potassium	EPA 200.7	<25	mg/L	25	8/10/2012
Scandium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Silver	EPA 200.7	<0.050	mg/L	0.050	8/9/2012
Sodium	EPA 200.7	940	mg/L	5.0	8/9/2012
Strontium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Tin	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Titanium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Vanadium	EPA 200.7	<0.10	mg/L	0.10	8/9/2012
Zinc	EPA 200.7	0.18	mg/L	0.10	8/9/2012
Mercury	EPA 200.8	0.0072	mg/L	0.0010	8/9/2012
Antimony	EPA 200.8	2.0	mg/L	0.25	8/10/2012
Arsenic	EPA 200.8	23	mg/L	0.50	8/10/2012
Lead	EPA 200.8	0.73	mg/L	0.025	8/9/2012
Selenium	EPA 200.8	0.072	mg/L	0.050	8/9/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	8/9/2012

Customer Sample ID: 63319, 30 July**Collect Date/Time:** 7/31/2012 08:00**WETLAB Sample ID:** 1207631-004**Receive Date:** 7/31/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	26	mg/L	10	8/6/2012
Cyanate	SM 4500 CNL	120	mg/L	2.5	8/7/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	58	mg/L	2.5	8/6/2012
Nitrate Nitrogen	EPA 300.0	1.6	mg/L	0.20	7/31/2012
Nitrite Nitrogen	EPA 300.0	1.7	mg/L	0.20	7/31/2012
Total Kjeldahl Nitrogen	EPA 351.2	87	mg/L	5.0	8/15/2012

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Customer Sample ID: 63319, 30 July

Collect Date/Time: 7/31/2012 08:00

WETLAB Sample ID: 1207631-004

Receive Date: 7/31/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Nitrogen	Calc.	90	mg/L	0.070	8/15/2012
Aluminum	EPA 200.7	3.0	mg/L	0.45	8/9/2012
Barium	EPA 200.7	<0.10	mg/L	0.10	8/9/2012
Beryllium	EPA 200.7	<0.010	mg/L	0.010	8/9/2012
Bismuth	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Boron	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Cadmium	EPA 200.7	<0.010	mg/L	0.010	8/9/2012
Calcium	EPA 200.7	19	mg/L	5.0	8/9/2012
Chromium	EPA 200.7	<0.050	mg/L	0.050	8/9/2012
Cobalt	EPA 200.7	0.23	mg/L	0.10	8/9/2012
Copper	EPA 200.7	4.0	mg/L	0.50	8/9/2012
Gallium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Iron	EPA 200.7	4.7	mg/L	0.10	8/9/2012
Lithium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Magnesium	EPA 200.7	<5.0	mg/L	5.0	8/9/2012
Manganese	EPA 200.7	0.060	mg/L	0.050	8/9/2012
Molybdenum	EPA 200.7	<0.10	mg/L	0.10	8/9/2012
Nickel	EPA 200.7	0.32	mg/L	0.10	8/9/2012
Phosphorus	EPA 200.7	<5.0	mg/L	5.0	8/9/2012
Potassium	EPA 200.7	<25	mg/L	25	8/10/2012
Scandium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Silver	EPA 200.7	<0.050	mg/L	0.050	8/9/2012
Sodium	EPA 200.7	610	mg/L	5.0	8/9/2012
Strontium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Tin	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Titanium	EPA 200.7	<1.0	mg/L	1.0	8/9/2012
Vanadium	EPA 200.7	<0.10	mg/L	0.10	8/9/2012
Zinc	EPA 200.7	0.24	mg/L	0.10	8/9/2012
Mercury	EPA 200.8	0.0033	mg/L	0.0010	8/9/2012
Antimony	EPA 200.8	0.80	mg/L	0.025	8/9/2012
Arsenic	EPA 200.8	16	mg/L	0.0050	8/10/2012
Lead	EPA 200.8	0.41	mg/L	0.025	8/9/2012
Selenium	EPA 200.8	<0.050	mg/L	0.050	8/9/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	8/9/2012

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12080015	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12080015	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12080015	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12080017	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12080017	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12080017	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12080188	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12080188	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12080225	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12080225	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12080233	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12080233	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12080349	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Cadmium, Dissolved	EPA 200.7	<0.0010	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Copper, Dissolved	EPA 200.7	<0.050	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC12080356	Blank 1	Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
QC12080490	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12080490	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units							
QC12080490	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L							
QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units					
QC12080015	LCS 1	Nitrite Nitrogen	EPA 300.0	0.480	0.500	96	mg/L					
QC12080017	LCS 1	Nitrate Nitrogen	EPA 300.0	1.96	2.00	98	mg/L					
QC12080188	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	1.06	1.00	106	mg/L					
QC12080233	LCS 1	Cyanate	SM 4500 CNL	0.911	1.00	91	mg/L					
QC12080349	LCS 1	Aluminum	EPA 200.7	0.941	1.00	94	mg/L					
		Barium	EPA 200.7	0.913	1.00	91	mg/L					
		Beryllium	EPA 200.7	0.970	1.00	97	mg/L					
		Bismuth	EPA 200.7	0.983	1.00	98	mg/L					
		Boron	EPA 200.7	0.877	1.00	88	mg/L					
		Cadmium	EPA 200.7	0.936	1.00	94	mg/L					
		Calcium	EPA 200.7	9.85	10.0	98	mg/L					
		Chromium	EPA 200.7	0.923	1.00	92	mg/L					
		Cobalt	EPA 200.7	0.931	1.00	93	mg/L					
		Copper	EPA 200.7	4.72	5.00	94	mg/L					
		Gallium	EPA 200.7	0.899	1.00	90	mg/L					
		Iron	EPA 200.7	0.939	1.00	94	mg/L					
		Lithium	EPA 200.7	0.932	1.00	93	mg/L					
		Magnesium	EPA 200.7	9.35	10.0	94	mg/L					
		Manganese	EPA 200.7	0.971	1.00	97	mg/L					
		Molybdenum	EPA 200.7	0.913	1.00	91	mg/L					
		Nickel	EPA 200.7	4.54	5.00	91	mg/L					
		Phosphorus	EPA 200.7	4.58	5.00	92	mg/L					
		Potassium	EPA 200.7	9.38	10.0	94	mg/L					
		Scandium	EPA 200.7	0.917	1.00	92	mg/L					
		Silver	EPA 200.7	0.083	0.090	93	mg/L					
		Sodium	EPA 200.7	9.70	10.0	97	mg/L					
		Strontium	EPA 200.7	0.959	1.00	96	mg/L					
		Tin	EPA 200.7	0.953	1.00	95	mg/L					
		Titanium	EPA 200.7	0.998	1.00	100	mg/L					
		Vanadium	EPA 200.7	0.902	1.00	90	mg/L					
		Zinc	EPA 200.7	0.921	1.00	92	mg/L					
QC12080356	LCS 1	Mercury	EPA 200.8	0.001028	0.001	103	mg/L					
		Antimony	EPA 200.8	0.0092	0.010	92	mg/L					
		Arsenic	EPA 200.8	0.0471	0.050	94	mg/L					
		Lead	EPA 200.8	0.0095	0.010	95	mg/L					
		Selenium	EPA 200.8	0.0432	0.050	86	mg/L					
QC12080490	LCS 1	Thallium	EPA 200.8	0.0091	0.010	91	mg/L					
		Total Kjeldahl Nitrogen	EPA 351.2	0.756	0.690	110	mg/L					
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD				
QC12080233	Duplicate	Cyanate	SM 4500 CNL	1208037-004	169	160	mg/L	5 %				
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12080015	MS 1	Nitrite Nitrogen	EPA 300.0	1207631-001	0.820	11.0	11.0	0.500	mg/L	102	102	<1%
QC12080015	MS 2	Nitrite Nitrogen	EPA 300.0	1207656-005	<0.010	0.215	0.225	0.250	mg/L	86	90	5 %
QC12080017	MS 1	Nitrate Nitrogen	EPA 300.0	1207631-001	<0.200	44.0	44.1	2.00	mg/L	110	110	<1%
QC12080017	MS 2	Nitrate Nitrogen	EPA 300.0	1207656-005	0.015	0.996	1.04	1.00	mg/L	98	102	4 %
QC12080188	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1208036-002	<0.050	1.15	1.17	1.00	mg/L	115	117	2 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12080225	MS 1	Thiocyanate	SM 4500 CN	1207631-001	52.6	102	99.1	0.500	mg/L	100	93	3 %
QC12080349	MS 1	Aluminum, Dissolved	EPA 200.7	1207656-003	0.069	0.979	0.977	1.00	mg/L	91	91	<1%
		Barium, Dissolved	EPA 200.7	1207656-003	0.030	0.931	0.928	1.00	mg/L	90	90	<1%
		Beryllium, Dissolved	EPA 200.7	1207656-003	<0.001	0.979	0.971	1.00	mg/L	98	97	1 %
		Bismuth, Dissolved	EPA 200.7	1207656-003	<0.100	0.949	0.956	1.00	mg/L	93	93	1 %
		Boron, Dissolved	EPA 200.7	1207656-003	0.245	1.15	1.16	1.00	mg/L	90	91	1 %
		Cadmium, Dissolved	EPA 200.7	1207656-003	<0.001	0.917	0.912	1.00	mg/L	92	91	1 %
		Calcium, Dissolved	EPA 200.7	1207656-003	27.5	37.1	37.3	10.0	mg/L	96	98	1 %
		Chromium, Dissolved	EPA 200.7	1207656-003	<0.005	0.918	0.912	1.00	mg/L	92	91	1 %
		Cobalt, Dissolved	EPA 200.7	1207656-003	<0.010	0.922	0.906	1.00	mg/L	92	91	2 %
		Copper, Dissolved	EPA 200.7	1207656-003	<0.050	4.83	4.81	5.00	mg/L	97	96	<1%
		Gallium, Dissolved	EPA 200.7	1207656-003	<0.100	0.880	0.878	1.00	mg/L	88	88	<1%
		Iron, Dissolved	EPA 200.7	1207656-003	0.036	0.951	0.946	1.00	mg/L	92	91	1 %
		Lithium, Dissolved	EPA 200.7	1207656-003	<0.100	0.949	0.950	1.00	mg/L	92	92	<1%
		Magnesium, Dissolved	EPA 200.7	1207656-003	6.52	14.9	14.8	10.0	mg/L	84	83	1 %
		Manganese, Dissolved	EPA 200.7	1207656-003	0.012	0.979	0.973	1.00	mg/L	97	96	1 %
		Molybdenum, Dissolved	EPA 200.7	1207656-003	0.015	0.912	0.914	1.00	mg/L	90	90	<1%
		Nickel, Dissolved	EPA 200.7	1207656-003	<0.010	4.43	4.41	5.00	mg/L	89	88	<1%
		Phosphorus, Dissolved	EPA 200.7	1207656-003	<0.500	4.62	4.62	5.00	mg/L	92	92	<1%
		Potassium, Dissolved	EPA 200.7	1207656-003	3.97	13.2	13.3	10.0	mg/L	92	93	1 %
		Scandium, Dissolved	EPA 200.7	1207656-003	<0.100	0.920	0.918	1.00	mg/L	92	92	<1%
		Silver, Dissolved	EPA 200.7	1207656-003	<0.005	0.085	0.083	0.090	mg/L	93	91	2 %
		Sodium, Dissolved	EPA 200.7	1207656-003	34.8	44.3	44.5	10.0	mg/L	95	97	<1%
		Strontium, Dissolved	EPA 200.7	1207656-003	0.276	1.21	1.21	1.00	mg/L	93	93	<1%
		Tin, Dissolved	EPA 200.7	1207656-003	<0.100	0.919	0.924	1.00	mg/L	93	94	1 %
		Titanium, Dissolved	EPA 200.7	1207656-003	<0.100	0.985	0.985	1.00	mg/L	98	98	<1%
		Vanadium, Dissolved	EPA 200.7	1207656-003	0.010	0.918	0.915	1.00	mg/L	91	90	<1%
		Zinc, Dissolved	EPA 200.7	1207656-003	<0.010	0.901	0.896	1.00	mg/L	89	89	1 %
QC12080356	MS 1	Mercury, Dissolved	EPA 200.8	1207656-003	<0.00010	0.001179	0.001163	0.001	mg/L	109	107	1 %
		Antimony, Dissolved	EPA 200.8	1207656-003	<0.0025	0.0091	0.0094	0.010	mg/L	89	91	3 %
		Arsenic, Dissolved	EPA 200.8	1207656-003	0.0140	0.0624	0.0640	0.050	mg/L	97	100	3 %
		Lead, Dissolved	EPA 200.8	1207656-003	<0.0025	0.0093	0.0093	0.010	mg/L	92	92	<1%
		Selenium, Dissolved	EPA 200.8	1207656-003	<0.0050	0.0449	0.0450	0.050	mg/L	90	90	<1%
		Thallium, Dissolved	EPA 200.8	1207656-003	<0.0010	0.0091	0.0088	0.010	mg/L	90	88	3 %
QC12080490	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1208022-014	0.127	0.932	0.961	0.690	mg/L	117	121	3 %
QC12080490	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1208176-002	0.084	0.814	0.850	0.690	mg/L	106	111	4 %

8/17/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1208037

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 8/2/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1208037

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1208037-001 Thallium

1208037-002 Thallium

1208037-003 Magnesium, Thallium

1208037-004 Thallium

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 8/17/2012

OrderID: 1208037

Customer Sample ID: 63310, 2 Aug 12

Collect Date/Time: 8/2/2012 10:00

WETLAB Sample ID: 1208037-001

Receive Date: 8/2/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	70	mg/L	10	8/6/2012
Cyanate	SM 4500 CNL	140	mg/L	5.0	8/7/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	99	mg/L	2.5	8/9/2012
Nitrate Nitrogen	EPA 300.0	32	mg/L	0.20	8/3/2012
Nitrite Nitrogen	EPA 300.0	3.1	mg/L	0.20	8/3/2012
Total Kjeldahl Nitrogen	EPA 351.2	100	mg/L	5.0	8/17/2012
Total Nitrogen	Calc.	140	mg/L	0.070	8/17/2012
Aluminum	EPA 200.7	5.6	mg/L	0.045	8/15/2012
Barium	EPA 200.7	0.068	mg/L	0.010	8/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	8/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Boron	EPA 200.7	0.19	mg/L	0.10	8/15/2012
Cadmium	EPA 200.7	0.0012	mg/L	0.0010	8/15/2012
Calcium	EPA 200.7	17	mg/L	0.50	8/15/2012
Chromium	EPA 200.7	0.0093	mg/L	0.0050	8/15/2012
Cobalt	EPA 200.7	0.41	mg/L	0.010	8/15/2012
Copper	EPA 200.7	0.15	mg/L	0.050	8/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Iron	EPA 200.7	3.5	mg/L	0.010	8/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Magnesium	EPA 200.7	0.55	mg/L	0.50	8/15/2012
Manganese	EPA 200.7	0.065	mg/L	0.0050	8/15/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	8/15/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	8/15/2012
Phosphorus	EPA 200.7	0.52	mg/L	0.50	8/15/2012
Potassium	EPA 200.7	7.2	mg/L	0.50	8/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	8/15/2012

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Customer Sample ID: 63310, 2 Aug 12**Collect Date/Time:** 8/2/2012 10:00**WETLAB Sample ID:** 1208037-001**Receive Date:** 8/2/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Silver	EPA 200.7	<0.0050	mg/L	0.0050	8/15/2012
Sodium	EPA 200.7	780	mg/L	5.0	8/15/2012
Strontium	EPA 200.7	0.25	mg/L	0.10	8/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Titanium	EPA 200.7	0.25	mg/L	0.10	8/15/2012
Vanadium	EPA 200.7	0.065	mg/L	0.010	8/15/2012
Zinc	EPA 200.7	0.093	mg/L	0.010	8/15/2012
Mercury	EPA 200.8	0.010	mg/L	0.0010	8/14/2012
Antimony	EPA 200.8	1.9	mg/L	0.10	8/15/2012
Arsenic	EPA 200.8	18	mg/L	0.50	8/15/2012
Lead	EPA 200.8	0.61	mg/L	0.010	8/14/2012
Selenium	EPA 200.8	0.063	mg/L	0.040	8/14/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	8/14/2012

Customer Sample ID: 63313, 2 Aug 12**Collect Date/Time:** 8/2/2012 10:00**WETLAB Sample ID:** 1208037-002**Receive Date:** 8/2/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	140	mg/L	2.5	8/7/2012
Thiocyanate	SM 4500 CNM	68	mg/L	10	8/6/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	81	mg/L	2.5	8/9/2012
Nitrate Nitrogen	EPA 300.0	33	mg/L	0.20	8/3/2012
Nitrite Nitrogen	EPA 300.0	1.9	mg/L	0.20	8/3/2012
Total Kjeldahl Nitrogen	EPA 351.2	100	mg/L	5.0	8/17/2012
Total Nitrogen	Calc.	140	mg/L	0.070	8/17/2012
Aluminum	EPA 200.7	5.9	mg/L	0.045	8/15/2012
Barium	EPA 200.7	0.078	mg/L	0.010	8/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	8/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Boron	EPA 200.7	0.17	mg/L	0.10	8/15/2012
Cadmium	EPA 200.7	0.0021	mg/L	0.0010	8/15/2012
Calcium	EPA 200.7	16	mg/L	0.50	8/15/2012
Chromium	EPA 200.7	0.010	mg/L	0.0050	8/15/2012
Cobalt	EPA 200.7	0.42	mg/L	0.010	8/15/2012
Copper	EPA 200.7	0.18	mg/L	0.050	8/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Iron	EPA 200.7	4.6	mg/L	0.010	8/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	8/15/2012

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Customer Sample ID: 63313, 2 Aug 12

Collect Date/Time: 8/2/2012 10:00

WETLAB Sample ID: 1208037-002

Receive Date: 8/2/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Magnesium	EPA 200.7	0.62	mg/L	0.50	8/15/2012
Manganese	EPA 200.7	0.085	mg/L	0.0050	8/15/2012
Molybdenum	EPA 200.7	0.20	mg/L	0.010	8/15/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	8/15/2012
Phosphorus	EPA 200.7	0.66	mg/L	0.50	8/15/2012
Potassium	EPA 200.7	9.6	mg/L	0.50	8/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	8/15/2012
Sodium	EPA 200.7	890	mg/L	5.0	8/15/2012
Strontium	EPA 200.7	0.25	mg/L	0.10	8/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Titanium	EPA 200.7	0.26	mg/L	0.10	8/15/2012
Vanadium	EPA 200.7	0.083	mg/L	0.010	8/15/2012
Zinc	EPA 200.7	0.14	mg/L	0.010	8/15/2012
Mercury	EPA 200.8	0.0095	mg/L	0.0010	8/14/2012
Antimony	EPA 200.8	2.0	mg/L	0.10	8/15/2012
Arsenic	EPA 200.8	20	mg/L	0.50	8/15/2012
Lead	EPA 200.8	0.62	mg/L	0.010	8/14/2012
Selenium	EPA 200.8	0.067	mg/L	0.040	8/14/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	8/14/2012

Customer Sample ID: 63316, 2 Aug 12

Collect Date/Time: 8/2/2012 10:00

WETLAB Sample ID: 1208037-003

Receive Date: 8/2/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	170	mg/L	5.0	8/7/2012
Thiocyanate	SM 4500 CNM	66	mg/L	10	8/6/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	91	mg/L	2.5	8/9/2012
Nitrate Nitrogen	EPA 300.0	41	mg/L	0.20	8/3/2012
Nitrite Nitrogen	EPA 300.0	2.0	mg/L	0.20	8/3/2012
Total Kjeldahl Nitrogen	EPA 351.2	100	mg/L	5.0	8/17/2012
Total Nitrogen	Calc.	150	mg/L	0.070	8/17/2012
Aluminum	EPA 200.7	5.5	mg/L	0.045	8/15/2012
Barium	EPA 200.7	0.079	mg/L	0.010	8/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	8/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Boron	EPA 200.7	0.15	mg/L	0.10	8/15/2012
Cadmium	EPA 200.7	0.0015	mg/L	0.0010	8/15/2012

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Customer Sample ID: 63316, 2 Aug 12

Collect Date/Time: 8/2/2012 10:00

WETLAB Sample ID: 1208037-003

Receive Date: 8/2/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium	EPA 200.7	16	mg/L	0.50	8/15/2012
Chromium	EPA 200.7	0.010	mg/L	0.0050	8/15/2012
Cobalt	EPA 200.7	0.40	mg/L	0.010	8/15/2012
Copper	EPA 200.7	0.23	mg/L	0.050	8/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Iron	EPA 200.7	3.9	mg/L	0.010	8/15/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Magnesium	EPA 200.7	<2.5	mg/L	2.5	8/15/2012
Manganese	EPA 200.7	0.068	mg/L	0.0050	8/15/2012
Molybdenum	EPA 200.7	0.18	mg/L	0.010	8/15/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	8/15/2012
Phosphorus	EPA 200.7	0.70	mg/L	0.50	8/15/2012
Potassium	EPA 200.7	12	mg/L	0.50	8/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	8/15/2012
Sodium	EPA 200.7	880	mg/L	5.0	8/15/2012
Strontium	EPA 200.7	0.26	mg/L	0.10	8/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Titanium	EPA 200.7	0.27	mg/L	0.10	8/15/2012
Vanadium	EPA 200.7	0.096	mg/L	0.010	8/15/2012
Zinc	EPA 200.7	0.13	mg/L	0.010	8/15/2012
Mercury	EPA 200.8	0.0090	mg/L	0.0010	8/14/2012
Antimony	EPA 200.8	2.0	mg/L	0.10	8/15/2012
Arsenic	EPA 200.8	19	mg/L	0.50	8/15/2012
Lead	EPA 200.8	0.57	mg/L	0.010	8/14/2012
Selenium	EPA 200.8	0.062	mg/L	0.040	8/14/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	8/14/2012

Customer Sample ID: 63322, 2 Aug 12

Collect Date/Time: 8/2/2012 10:00

WETLAB Sample ID: 1208037-004

Receive Date: 8/2/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	82	mg/L	10	8/6/2012
Cyanate	SM 4500 CNL	170	mg/L	5.0	8/7/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	81	mg/L	2.5	8/9/2012
Nitrate Nitrogen	EPA 300.0	36	mg/L	0.20	8/3/2012
Nitrite Nitrogen	EPA 300.0	4.1	mg/L	0.20	8/3/2012
Total Kjeldahl Nitrogen	EPA 351.2	85	mg/L	5.0	8/17/2012

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Customer Sample ID: 63322, 2 Aug 12

Collect Date/Time: 8/2/2012 10:00

WETLAB Sample ID: 1208037-004

Receive Date: 8/2/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Nitrogen	Calc.	130	mg/L	0.070	8/17/2012
Aluminum	EPA 200.7	1.4	mg/L	0.045	8/15/2012
Barium	EPA 200.7	0.025	mg/L	0.010	8/15/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	8/15/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Boron	EPA 200.7	0.22	mg/L	0.10	8/15/2012
Cadmium	EPA 200.7	<0.0010	mg/L	0.0010	8/15/2012
Calcium	EPA 200.7	11	mg/L	0.50	8/15/2012
Chromium	EPA 200.7	0.0055	mg/L	0.0050	8/15/2012
Cobalt	EPA 200.7	0.18	mg/L	0.010	8/15/2012
Copper	EPA 200.7	7.0	mg/L	0.050	8/15/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Iron	EPA 200.7	1.2	mg/L	0.010	8/15/2012
Lithium	EPA 200.7	0.12	mg/L	0.10	8/15/2012
Magnesium	EPA 200.7	0.58	mg/L	0.50	8/15/2012
Manganese	EPA 200.7	0.016	mg/L	0.0050	8/15/2012
Molybdenum	EPA 200.7	0.10	mg/L	0.010	8/15/2012
Nickel	EPA 200.7	0.18	mg/L	0.010	8/15/2012
Phosphorus	EPA 200.7	0.56	mg/L	0.50	8/15/2012
Potassium	EPA 200.7	9.3	mg/L	0.50	8/15/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Silver	EPA 200.7	0.0053	mg/L	0.0050	8/15/2012
Sodium	EPA 200.7	860	mg/L	5.0	8/15/2012
Strontium	EPA 200.7	0.20	mg/L	0.10	8/15/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	8/15/2012
Vanadium	EPA 200.7	0.058	mg/L	0.010	8/15/2012
Zinc	EPA 200.7	0.067	mg/L	0.010	8/15/2012
Mercury	EPA 200.8	0.0073	mg/L	0.0010	8/14/2012
Antimony	EPA 200.8	0.74	mg/L	0.10	8/15/2012
Arsenic	EPA 200.8	11	mg/L	0.50	8/15/2012
Lead	EPA 200.8	0.19	mg/L	0.010	8/14/2012
Selenium	EPA 200.8	0.045	mg/L	0.040	8/14/2012
Thallium	EPA 200.8	<0.010	mg/L	0.010	8/14/2012

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12080121	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12080121	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12080130	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12080130	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12080130	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC12080225	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12080225	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12080233	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12080233	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12080323	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12080323	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12080323	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12080457	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Cadmium, Dissolved	EPA 200.7	<0.0010	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Copper, Dissolved	EPA 200.7	<0.050	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC12080494	Blank 1	Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
QC12080580	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12080580	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units							
QC12080580	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L							
QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units					
QC12080121	LCS 1	Nitrite Nitrogen	EPA 300.0	0.474	0.500	95	mg/L					
QC12080130	LCS 1	Nitrate Nitrogen	EPA 300.0	1.94	2.00	97	mg/L					
QC12080233	LCS 1	Cyanate	SM 4500 CNL	0.911	1.00	91	mg/L					
QC12080323	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	1.02	1.00	102	mg/L					
QC12080457	LCS 1	Aluminum	EPA 200.7	0.998	1.00	100	mg/L					
		Barium	EPA 200.7	0.975	1.00	98	mg/L					
		Beryllium	EPA 200.7	1.01	1.00	101	mg/L					
		Bismuth	EPA 200.7	1.02	1.00	102	mg/L					
		Boron	EPA 200.7	0.939	1.00	94	mg/L					
		Cadmium	EPA 200.7	1.01	1.00	101	mg/L					
		Calcium	EPA 200.7	10.1	10.0	101	mg/L					
		Chromium	EPA 200.7	0.981	1.00	98	mg/L					
		Cobalt	EPA 200.7	1.02	1.00	102	mg/L					
		Copper	EPA 200.7	4.83	5.00	97	mg/L					
		Gallium	EPA 200.7	0.963	1.00	96	mg/L					
		Iron	EPA 200.7	1.01	1.00	101	mg/L					
		Lithium	EPA 200.7	0.953	1.00	95	mg/L					
		Magnesium	EPA 200.7	10.0	10.0	100	mg/L					
		Manganese	EPA 200.7	1.02	1.00	102	mg/L					
		Molybdenum	EPA 200.7	0.971	1.00	97	mg/L					
		Nickel	EPA 200.7	4.92	5.00	98	mg/L					
		Phosphorus	EPA 200.7	5.06	5.00	101	mg/L					
		Potassium	EPA 200.7	9.78	10.0	98	mg/L					
		Scandium	EPA 200.7	0.961	1.00	96	mg/L					
		Silver	EPA 200.7	0.087	0.090	97	mg/L					
		Sodium	EPA 200.7	9.66	10.0	97	mg/L					
		Strontium	EPA 200.7	0.934	1.00	93	mg/L					
		Tin	EPA 200.7	1.02	1.00	102	mg/L					
		Titanium	EPA 200.7	0.995	1.00	100	mg/L					
		Vanadium	EPA 200.7	0.963	1.00	96	mg/L					
		Zinc	EPA 200.7	1.02	1.00	102	mg/L					
QC12080494	LCS 1	Mercury	EPA 200.8	0.001085	0.001	108	mg/L					
		Antimony	EPA 200.8	0.0094	0.010	94	mg/L					
		Arsenic	EPA 200.8	0.0496	0.050	99	mg/L					
		Lead	EPA 200.8	0.0096	0.010	96	mg/L					
		Selenium	EPA 200.8	0.0464	0.050	93	mg/L					
QC12080580	LCS 1	Thallium	EPA 200.8	0.0094	0.010	94	mg/L					
		Total Kjeldahl Nitrogen	EPA 351.2	0.681	0.690	99	mg/L					
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD				
QC12080233	Duplicate	Cyanate	SM 4500 CNL	1208037-004	169	160	mg/L	5 %				
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12080121	MS 1	Nitrite Nitrogen	EPA 300.0	1208008-001	<0.010	0.230	0.234	0.250	mg/L	92	94	2 %
QC12080130	MS 1	Nitrate Nitrogen	EPA 300.0	1208026-003	1.57	1.10	1.11	1.00	mg/L	101	102	1 %
QC12080130	MS 2	Nitrate Nitrogen	EPA 300.0	1208037-004	35.6	54.6	54.7	1.00	mg/L	95	96	<1%
QC12080225	MS 1	Thiocyanate	SM 4500 CN	1207631-001	52.6	102	99.1	0.500	mg/L	100	93	3 %
QC12080323	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1208059-001	<0.050	0.962	0.912	1.00	mg/L	96	91	5 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12080323	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1208059-011	<0.050	0.890	0.916	1.00	mg/L	89	92	3 %
QC12080457	MS 1	Aluminum, Dissolved	EPA 200.7	1208175-001	<0.045	0.904	0.908	1.00	mg/L	89	90	<1%
		Barium, Dissolved	EPA 200.7	1208175-001	0.017	0.957	0.963	1.00	mg/L	94	95	1 %
		Beryllium, Dissolved	EPA 200.7	1208175-001	0.004	0.997	1.01	1.00	mg/L	99	101	1 %
		Bismuth, Dissolved	EPA 200.7	1208175-001	<0.100	0.950	0.959	1.00	mg/L	99	100	1 %
		Boron, Dissolved	EPA 200.7	1208175-001	6.13	7.30	7.46	1.00	mg/L	117	133	2 %
		Cadmium, Dissolved	EPA 200.7	1208175-001	<0.001	0.961	0.970	1.00	mg/L	96	97	1 %
		Calcium, Dissolved	EPA 200.7	1208175-001	338	SC 340	343	10.0	mg/L	NC	NC	NC
		Chromium, Dissolved	EPA 200.7	1208175-001	<0.005	0.956	0.964	1.00	mg/L	95	96	1 %
		Cobalt, Dissolved	EPA 200.7	1208175-001	<0.010	0.968	0.981	1.00	mg/L	97	98	1 %
		Copper, Dissolved	EPA 200.7	1208175-001	<0.050	5.07	5.09	5.00	mg/L	101	102	<1%
		Gallium, Dissolved	EPA 200.7	1208175-001	<0.100	0.905	0.908	1.00	mg/L	91	91	<1%
		Iron, Dissolved	EPA 200.7	1208175-001	0.617	1.56	1.58	1.00	mg/L	94	96	1 %
		Lithium, Dissolved	EPA 200.7	1208175-001	2.83	3.74	3.75	1.00	mg/L	91	92	<1%
		Magnesium, Dissolved	EPA 200.7	1208175-001	32.5	41.0	42.0	10.0	mg/L	85	95	2 %
		Manganese, Dissolved	EPA 200.7	1208175-001	1.35	2.32	2.36	1.00	mg/L	97	101	2 %
		Molybdenum, Dissolved	EPA 200.7	1208175-001	<0.010	1.01	1.02	1.00	mg/L	101	102	1 %
		Nickel, Dissolved	EPA 200.7	1208175-001	0.013	4.79	4.81	5.00	mg/L	96	96	<1%
		Phosphorus, Dissolved	EPA 200.7	1208175-001	<0.500	5.39	5.49	5.00	mg/L	108	110	2 %
		Potassium, Dissolved	EPA 200.7	1208175-001	76.8	86.7	87.1	10.0	mg/L	99	103	<1%
		Scandium, Dissolved	EPA 200.7	1208175-001	<0.100	0.992	0.995	1.00	mg/L	99	99	<1%
		Silver, Dissolved	EPA 200.7	1208175-001	<0.005	0.089	0.089	0.090	mg/L	101	101	<1%
		Sodium, Dissolved	EPA 200.7	1208175-001	601	SC 585	607	10.0	mg/L	NC	NC	NC
		Strontium, Dissolved	EPA 200.7	1208175-001	2.99	3.89	3.91	1.00	mg/L	90	92	1 %
		Tin, Dissolved	EPA 200.7	1208175-001	<0.100	0.946	0.955	1.00	mg/L	99	100	1 %
		Titanium, Dissolved	EPA 200.7	1208175-001	<0.100	0.988	0.993	1.00	mg/L	99	100	1 %
		Vanadium, Dissolved	EPA 200.7	1208175-001	0.031	1.05	1.05	1.00	mg/L	102	102	<1%
		Zinc, Dissolved	EPA 200.7	1208175-001	<0.010	1.01	1.02	1.00	mg/L	100	101	1 %
QC12080494	MS 1	Mercury, Dissolved	EPA 200.8	1208175-001	0.000230	0.000954	0.000961	0.001	mg/L	72	73	1 %
		Antimony, Dissolved	EPA 200.8	1208175-001	<0.0025	0.0091	0.0088	0.010	mg/L	91	88	3 %
		Arsenic, Dissolved	EPA 200.8	1208175-001	<0.2500	M <0.2500	<0.2500	0.050	mg/L	NC	NC	NC
		Lead, Dissolved	EPA 200.8	1208175-001	<0.0025	0.0071	0.0071	0.010	mg/L	71	71	<1%
		Selenium, Dissolved	EPA 200.8	1208175-001	<0.2500	<0.2500	<0.2500	0.050	mg/L	83	73	#Erro
		Thallium, Dissolved	EPA 200.8	1208175-001	<0.0010	0.0070	0.0072	0.010	mg/L	70	72	3 %
QC12080580	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1208035-011	2.61	3.28	3.28	0.690	mg/L	98	97	<1%
QC12080580	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1208022-013	0.162	0.874	0.830	0.690	mg/L	103	97	5 %

10/24/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1210042

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 10/2/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1210042

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Total Cyanide and Ammonia Nitrogen on sample 1210042-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1210042-001 Selenium, Thallium

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 10/24/2012

OrderID: 1210042

Customer Sample ID: 63322, Final Detox

Collect Date/Time: 10/2/2012 11:00

WETLAB Sample ID: 1210042-001

Receive Date: 10/2/2012 13:20

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	45	mg/L	10	10/9/2012
Cyanate	SM 4500 CNL	170	mg/L	0.10	10/12/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	97 M	mg/L	5.0	10/8/2012
pH	SM 4500-H+ B	8.80	pH Units		10/2/2012
Trace Metals Digestion	EPA 200.2	Complete			10/8/2012
Bicarbonate (HCO3)	SM 2320B	590	mg/L	1.0	10/2/2012
Carbonate (CO3)	SM 2320B	32	mg/L	1.0	10/2/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	10/2/2012
Total Alkalinity	SM 2320B	540	mg/L as CaCO3	1.0	10/2/2012
Chloride	EPA 300.0	560	mg/L	10	10/16/2012
Fluoride	EPA 300.0	1.8	mg/L	1.0	10/16/2012
Sulfate	EPA 300.0	470	mg/L	10	10/16/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	240	mg/L	5.0	10/23/2012
Total Kjeldahl Nitrogen	EPA 351.2	100	mg/L	12	10/15/2012
Total Nitrogen	Calc.	310	mg/L	1.1	10/15/2012
Total Cyanide	SM 4500CNC	0.38 M	mg/L	0.050	10/3/2012
Total Dissolved Solids (TDS)	SM 2540C	3500	mg/L	10	10/4/2012
WAD Cyanide	SM 4500CNI	0.19	mg/L	0.010	10/3/2012
Aluminum	EPA 200.7	0.15	mg/L	0.045	10/11/2012
Barium	EPA 200.7	0.022	mg/L	0.010	10/11/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	10/11/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	10/11/2012
Boron	EPA 200.7	0.25	mg/L	0.10	10/12/2012
Cadmium	EPA 200.7	<0.0010	mg/L	0.0010	10/11/2012
Calcium	EPA 200.7	11	mg/L	0.50	10/11/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	10/11/2012
Cobalt	EPA 200.7	0.19	mg/L	0.010	10/11/2012

Page 3 of 9

Customer Sample ID: 63322, Final Detox

Collect Date/Time: 10/2/2012 11:00

WETLAB Sample ID: 1210042-001

Receive Date: 10/2/2012 13:20

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Copper	EPA 200.7	0.078	mg/L	0.050	10/11/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	10/11/2012
Iron	EPA 200.7	0.16	mg/L	0.010	10/11/2012
Lithium	EPA 200.7	0.22	mg/L	0.10	10/11/2012
Magnesium	EPA 200.7	3.7	mg/L	0.50	10/11/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	10/11/2012
Molybdenum	EPA 200.7	0.12	mg/L	0.010	10/11/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	10/11/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	10/11/2012
Potassium	EPA 200.7	16	mg/L	0.50	10/11/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	10/11/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	10/11/2012
Sodium	EPA 200.7	1500	mg/L	5.0	10/15/2012
Strontium	EPA 200.7	0.40	mg/L	0.10	10/11/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	10/11/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	10/11/2012
Vanadium	EPA 200.7	0.016	mg/L	0.010	10/11/2012
Zinc	EPA 200.7	<0.010	mg/L	0.010	10/11/2012
Mercury	EPA 200.8	0.0023	mg/L	0.00010	10/10/2012
Antimony	EPA 200.8	0.63	mg/L	0.010	10/10/2012
Arsenic	EPA 200.8	2.7	mg/L	0.0050	10/10/2012
Lead	EPA 200.8	0.018	mg/L	0.0025	10/10/2012
Selenium	EPA 200.8	<0.0050	mg/L	0.0050	10/10/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	10/10/2012
Anions	Calculation	53.6	meq/L	0.10	
Cations	Calculation	71.9	meq/L	0.10	
Error	Calculation	15	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12100148	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12100148	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12100155	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12100155	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12100155	Blank 3	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12100171	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12100171	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12100171	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12100175	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12100175	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12100175	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12100180	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12100180	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12100180	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12100269	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12100269	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12100301	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12100301	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12100335	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
QC12100369	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12100369	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12100369	Blank 3	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12100451	Blank 1	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L
QC12100451	Blank 2	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L
QC12100451	Blank 3	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L
QC12100451	Blank 4	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L
QC12100473	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12100619	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12100619	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12100619	Blank 3	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12100619	Blank 4	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12100620	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12100620	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12100620	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12100620	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12100620	Blank 5	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12100137	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC12100137	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC12100144	LCS 1	Alkalinity	SM 2320B	98.3	100	98	mg/L
QC12100144	LCS 2	Alkalinity	SM 2320B	98.9	100	99	mg/L
QC12100144	LCS 3	Alkalinity	SM 2320B	97.5	100	98	mg/L
QC12100148	LCS 1	Total Cyanide	SM 4500CNC	0.092	0.100	92	mg/L
QC12100155	LCS 1	WAD Cyanide	SM 4500CNI	0.089	0.100	89	mg/L
QC12100171	LCS 1	Fluoride	EPA 300.0	1.98	2.00	99	mg/L
QC12100175	LCS 1	Chloride	EPA 300.0	10.6	10.0	106	mg/L
QC12100180	LCS 1	Sulfate	EPA 300.0	25.0	25.0	100	mg/L
QC12100269	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	152	150	101	mg/L
QC12100269	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	160	150	107	mg/L
QC12100301	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.954	1.00	95	mg/L
QC12100301	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.913	1.00	91	mg/L
QC12100335	LCS 1	Mercury	EPA 200.8	0.001068	0.001	107	mg/L
		Antimony	EPA 200.8	0.0095	0.010	95	mg/L
		Arsenic	EPA 200.8	0.0508	0.050	102	mg/L
		Lead	EPA 200.8	0.0113	0.010	113	mg/L
		Selenium	EPA 200.8	0.0443	0.050	88	mg/L
		Thallium	EPA 200.8	0.0113	0.010	113	mg/L
QC12100451	LCS 1	Nitrate + Nitrite Nitrogen	EPA 353.2	0.834	0.800	104	mg/L
QC12100451	LCS 2	Nitrate + Nitrite Nitrogen	EPA 353.2	0.818	0.800	102	mg/L
QC12100473	LCS 1	Aluminum	EPA 200.7	0.955	1.00	96	mg/L
		Barium	EPA 200.7	0.954	1.00	95	mg/L
		Beryllium	EPA 200.7	0.989	1.00	99	mg/L
		Bismuth	EPA 200.7	0.985	1.00	98	mg/L
		Boron	EPA 200.7	0.922	1.00	92	mg/L
		Cadmium	EPA 200.7	0.970	1.00	97	mg/L
		Calcium	EPA 200.7	9.68	10.0	97	mg/L
		Chromium	EPA 200.7	0.943	1.00	94	mg/L
		Cobalt	EPA 200.7	0.956	1.00	96	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Copper	EPA 200.7	4.69	5.00	94	mg/L	
		Gallium	EPA 200.7	0.936	1.00	94	mg/L	
		Iron	EPA 200.7	0.962	1.00	96	mg/L	
		Lithium	EPA 200.7	0.932	1.00	93	mg/L	
		Magnesium	EPA 200.7	9.80	10.0	98	mg/L	
		Manganese	EPA 200.7	0.969	1.00	97	mg/L	
		Molybdenum	EPA 200.7	0.961	1.00	96	mg/L	
		Nickel	EPA 200.7	4.77	5.00	95	mg/L	
		Phosphorus	EPA 200.7	4.88	5.00	98	mg/L	
		Potassium	EPA 200.7	9.72	10.0	97	mg/L	
		Scandium	EPA 200.7	0.952	1.00	95	mg/L	
		Silver	EPA 200.7	0.085	0.090	94	mg/L	
		Sodium	EPA 200.7	10.7	10.0	107	mg/L	
		Strontium	EPA 200.7	0.969	1.00	97	mg/L	
		Tin	EPA 200.7	0.957	1.00	96	mg/L	
		Titanium	EPA 200.7	0.973	1.00	97	mg/L	
		Vanadium	EPA 200.7	0.943	1.00	94	mg/L	
		Zinc	EPA 200.7	0.990	1.00	99	mg/L	
QC12100619	LCS 1	Cyanate	SM 4500 CNL	0.967	1.00	97	mg/L	
QC12100619	LCS 2	Cyanate	SM 4500 CNL	0.972	1.00	97	mg/L	
QC12100620	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.643	0.690	93	mg/L	
QC12100620	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.652	0.690	94	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12100137	Duplicate	pH	SM 4500-H+ B	1210024-006	7.23	7.22	pH Units	<1%
QC12100137	Duplicate	pH	SM 4500-H+ B	1210024-007	7.27	7.26	pH Units	<1%
QC12100137	Duplicate	pH	SM 4500-H+ B	1210058-001	6.62	6.55	pH Units	1 %
QC12100137	Duplicate	pH	SM 4500-H+ B	1210058-012	3.14	3.12	pH Units	1 %
QC12100144	Duplicate	Bicarbonate (HCO3)	SM 2320B	1210024-006	133	133	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1210024-006	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1210024-006	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1210024-006	109	109	mg/L as CaCO3	<1%
QC12100144	Duplicate	Bicarbonate (HCO3)	SM 2320B	1210024-007	136	134	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1210024-007	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1210024-007	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1210024-007	111	110	mg/L as CaCO3	1 %
QC12100144	Duplicate	Bicarbonate (HCO3)	SM 2320B	1210058-001	7.90	7.46	mg/L	6 %
		Carbonate (CO3)	SM 2320B	1210058-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1210058-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1210058-001	6.48	6.12	mg/L as CaCO3	6 %
QC12100144	Duplicate	Bicarbonate (HCO3)	SM 2320B	1210058-011	5.22	8.23	Q mg/L	45 %
		Carbonate (CO3)	SM 2320B	1210058-011	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1210058-011	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1210058-011	4.28	6.75	Q mg/L as CaCO3	45 %
QC12100269	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1209383-001	62.0	65.0	mg/L	<1%
QC12100269	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1210024-005	2404	2592	Q mg/L	8 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12100269	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1210081-003	509	496	mg/L	3 %
QC12100269	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1210089-001	58.0	65.0	mg/L	11 %
QC12100619	Duplicate	Cyanate	SM 4500 CNL	1210060-009	2.75	3.09	mg/L	12 %
QC12100619	Duplicate	Cyanate	SM 4500 CNL	1210060-018	2.39	3.92	Q mg/L	49 %
QC12100619	Duplicate	Cyanate	SM 4500 CNL	1210134-008	4.06	3.65	mg/L	10 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12100148	MS 1	Total Cyanide	SM 4500CNC	1210042-001	0.382	M 0.305	0.401	0.100	mg/L	NC	NC	NC
QC12100155	MS 1	WAD Cyanide	SM 4500CNI	1210024-007	0.037		0.117	0.123	mg/L	80	86	5 %
QC12100155	MS 2	WAD Cyanide	SM 4500CNI	1210009-001	<0.010		0.094	0.093	mg/L	94	93	1 %
QC12100171	MS 1	Fluoride	EPA 300.0	1210058-001	<0.100		2.13	2.16	mg/L	107	108	1 %
QC12100171	MS 2	Fluoride	EPA 300.0	1210058-003	<0.100		2.27	2.26	mg/L	110	110	<1%
QC12100175	MS 1	Chloride	EPA 300.0	1210058-001	<1.000		5.78	5.85	mg/L	106	108	1 %
QC12100175	MS 2	Chloride	EPA 300.0	1210058-003	1.06		6.44	6.45	mg/L	108	108	<1%
QC12100180	MS 1	Sulfate	EPA 300.0	1210058-001	1.30		11.4	11.6	mg/L	101	103	2 %
QC12100180	MS 2	Sulfate	EPA 300.0	1210058-009	12.7		21.9	22.0	mg/L	92	94	<1%
QC12100301	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1210042-001	96.6	M 289	292	1.00	mg/L	NC	NC	NC
QC12100301	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1210171-001	<0.050		1.00	1.02	mg/L	100	102	2 %
QC12100335	MS 1	Mercury	EPA 200.8	1210021-011	0.000550	M 0.001217	0.001313	0.001	mg/L	NC	NC	NC
		Antimony	EPA 200.8	1210021-011	0.0025		0.0112	0.0113	mg/L	87	87	1 %
		Arsenic	EPA 200.8	1210021-011	0.0286		0.0659	0.0665	mg/L	75	76	1 %
		Lead	EPA 200.8	1210021-011	<0.0025		0.0082	0.0082	mg/L	82	82	<1%
		Selenium	EPA 200.8	1210021-011	<0.0100	M 0.0268	0.0237	0.050	mg/L	NC	NC	NC
		Thallium	EPA 200.8	1210021-011	<0.0010		0.0094	0.0094	mg/L	86	85	<1%
QC12100369	MS 1	Thiocyanate	SM 4500 CN	1210059-021	1.32		2.28	2.28	mg/L	96	96	<1%
QC12100369	MS 2	Thiocyanate	SM 4500 CN	1210042-001	44.6		97.2	96.5	mg/L	105	104	1 %
QC12100451	MS 1	Nitrate + Nitrite Nitrogen	EPA 353.2	1210140-008	0.297		10.6	10.6	mg/L	103	103	<1%
QC12100451	MS 2	Nitrate + Nitrite Nitrogen	EPA 353.2	1209569-003	<0.100		10.3	10.3	mg/L	103	103	<1%
QC12100451	MS 3	Nitrate + Nitrite Nitrogen	EPA 353.2	1210141-007	1.15		11.2	11.0	mg/L	100	99	2 %
QC12100473	MS 1	Aluminum	EPA 200.7	1210021-011	0.071		1.11	1.11	mg/L	104	104	<1%
		Barium	EPA 200.7	1210021-011	0.169		1.07	1.09	mg/L	90	92	2 %
		Beryllium	EPA 200.7	1210021-011	<0.001		0.958	0.964	mg/L	96	96	1 %
		Bismuth	EPA 200.7	1210021-011	<0.100		0.981	0.983	mg/L	99	99	<1%
		Boron	EPA 200.7	1210021-011	20.3		21.3	20.9	mg/L	100	60	2 %
		Cadmium	EPA 200.7	1210021-011	<0.001		0.941	0.957	mg/L	94	96	2 %
		Calcium	EPA 200.7	1210021-011	63.7		74.9	75.4	mg/L	112	117	1 %
		Chromium	EPA 200.7	1210021-011	<0.005		0.901	0.910	mg/L	90	91	1 %
		Cobalt	EPA 200.7	1210021-011	<0.010		0.882	0.895	mg/L	88	89	1 %
		Copper	EPA 200.7	1210021-011	<0.050		5.25	5.28	mg/L	105	106	1 %
		Gallium	EPA 200.7	1210021-011	<0.100		0.943	0.958	mg/L	94	95	2 %
		Iron	EPA 200.7	1210021-011	0.190		1.13	1.14	mg/L	94	95	1 %
		Lithium	EPA 200.7	1210021-011	1.93		2.85	2.88	mg/L	92	95	1 %
		Magnesium	EPA 200.7	1210021-011	0.237		9.65	9.69	mg/L	94	95	<1%
		Manganese	EPA 200.7	1210021-011	<0.005		0.908	0.914	mg/L	91	91	1 %
		Molybdenum	EPA 200.7	1210021-011	<0.010		0.941	0.943	mg/L	94	95	<1%
		Nickel	EPA 200.7	1210021-011	<0.010		4.46	4.52	mg/L	89	90	1 %
		Phosphorus	EPA 200.7	1210021-011	<0.500		5.11	5.15	mg/L	101	102	1 %
		Potassium	EPA 200.7	1210021-011	93.8		106	108	mg/L	122	142	2 %
		Scandium	EPA 200.7	1210021-011	<0.100		0.947	0.949	mg/L	95	95	<1%
		Silver	EPA 200.7	1210021-011	<0.005		0.090	0.090	mg/L	101	100	<1%

QC Batch ID	QC Type	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Sodium	EPA 200.7	1210021-011	1550	SC 1560	1600	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1210021-011	2.15	3.22	3.17	1.00	mg/L	107	102	2 %
		Tin	EPA 200.7	1210021-011	<0.100	0.914	0.923	1.00	mg/L	95	96	1 %
		Titanium	EPA 200.7	1210021-011	<0.100	0.983	0.987	1.00	mg/L	98	99	<1%
		Vanadium	EPA 200.7	1210021-011	<0.010	0.933	0.943	1.00	mg/L	93	94	1 %
		Zinc	EPA 200.7	1210021-011	<0.010	0.983	0.988	1.00	mg/L	98	99	1 %
QC12100620	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1210009-001	<0.100	0.669	0.638	0.690	mg/L	97	92	5 %
QC12100620	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1210024-002	0.171	0.799	0.742	0.690	mg/L	91	83	7 %
QC12100620	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1210265-005	1.33	M 1.89	1.94	0.690	mg/L	NC	NC	NC
QC12100620	MS 4	Total Kjeldahl Nitrogen	EPA 351.2	1210083-008	0.956	1.66	1.60	0.690	mg/L	102	94	4 %

10/24/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Jim Defilippi

OrderID: 1210173

Dear: Jim Defilippi

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 10/8/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassidy and Associates - 1210173

General Comments

None

Specific Comments

The following is a synopsis of the reanalysis of Nitrate Nitrogen:

- Sample 1210173-003 reanalysis result for Nitrate Nitrogen has been reported.

This reanalysis was performed past the EPA recommended holding time due to an unacceptable cation/anion balance using data obtained within the holding time. We apologize for any inconvenience this may cause.

In general, when dealing with one sample, the result for Ammonia Nitrogen parameter should be lower than or equal to the result for Total Kjeldahl Nitrogen parameter. However this report contains data for the following samples/parameters where this is not the case:

1210173-001 Total Kjeldahl Nitrogen, Ammonia Nitrogen

WETLAB performed all original preparation, digestion and analysis in combined batches for all samples and performed each of these steps on individual days. Also reanalysis has been performed and confirming results have been obtained.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Jim Defilippi

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 10/24/2012

OrderID: 1210173

Customer Sample ID: 63310 Raw & NaOH

Collect Date/Time: 10/8/2012 09:00

WETLAB Sample ID: 1210173-001

Receive Date: 10/8/2012 10:30

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	19	mg/L	0.10	10/16/2012
Thiocyanate	SM 4500 CNM	69	mg/L	10	10/9/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	26	mg/L	1.2	10/16/2012
pH	SM 4500-H+ B	8.85	pH Units		10/8/2012
Trace Metals Digestion	EPA 200.2	Complete			10/12/2012
Acidity (Titrimetric)	SM 2310B	-104	mg/L as CaCO3		10/16/2012
Bicarbonate (HCO3)	SM 2320B	690	mg/L	1.0	10/8/2012
Carbonate (CO3)	SM 2320B	58	mg/L	1.0	10/8/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	10/8/2012
Total Alkalinity	SM 2320B	660	mg/L as CaCO3	1.0	10/8/2012
Redox Potential	SM 2580B	250	mV		10/8/2012
Chloride	EPA 300.0	45	mg/L	1.0	10/9/2012
Fluoride	EPA 300.0	3.6	mg/L	1.0	10/9/2012
Sulfate	EPA 300.0	1000	mg/L	10	10/9/2012
Nitrate Nitrogen	EPA 300.0	250	mg/L	0.10	10/9/2012
Nitrite Nitrogen	EPA 300.0	4.0	mg/L	0.25	10/9/2012
Total Kjeldahl Nitrogen	EPA 351.2	23	mg/L	2.5	10/23/2012
Total Nitrogen	Calc.	260	mg/L	0.070	10/17/2012
Total Cyanide	SM 4500CNC	0.56	mg/L	0.050	10/10/2012
Total Dissolved Solids (TDS)	SM 2540C	4100	mg/L	10	10/9/2012
WAD Cyanide	SM 4500CNI	0.13	mg/L	0.010	10/10/2012
Electrical Conductivity	SM 2510B	5600	µmhos/cm	1	10/16/2012
Aluminum	EPA 200.7	1.3	mg/L	0.045	10/16/2012
Barium	EPA 200.7	0.038	mg/L	0.010	10/16/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	10/16/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Boron	EPA 200.7	0.18	mg/L	0.10	10/16/2012

Page 3 of 12

Customer Sample ID: 63310 Raw & NaOH

Collect Date/Time: 10/8/2012 09:00

WETLAB Sample ID: 1210173-001

Receive Date: 10/8/2012 10:30

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium	EPA 200.7	14	mg/L	0.50	10/16/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	10/16/2012
Cobalt	EPA 200.7	0.57	mg/L	0.010	10/16/2012
Copper	EPA 200.7	0.090	mg/L	0.050	10/16/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Iron	EPA 200.7	0.48	mg/L	0.010	10/16/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Magnesium	EPA 200.7	2.0	mg/L	0.50	10/16/2012
Manganese	EPA 200.7	0.017	mg/L	0.0050	10/16/2012
Molybdenum	EPA 200.7	0.27	mg/L	0.010	10/16/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	10/16/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	10/16/2012
Potassium	EPA 200.7	14	mg/L	0.50	10/16/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	10/16/2012
Sodium	EPA 200.7	1200	mg/L	5.0	10/16/2012
Strontium	EPA 200.7	0.46	mg/L	0.10	10/16/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Vanadium	EPA 200.7	0.024	mg/L	0.010	10/16/2012
Zinc	EPA 200.7	0.026	mg/L	0.010	10/16/2012
Mercury	EPA 200.8	0.0057	mg/L	0.0005	10/16/2012
Antimony	EPA 200.8	1.6	mg/L	0.020	10/16/2012
Arsenic	EPA 200.8	5.4	mg/L	0.10	10/16/2012
Cadmium	EPA 200.8	<0.0010	mg/L	0.0010	10/15/2012
Lead	EPA 200.8	0.13	mg/L	0.0050	10/16/2012
Selenium	EPA 200.8	0.039	mg/L	0.025	10/16/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	10/15/2012
Anions	Calculation	53.4	meq/L	0.10	
Cations	Calculation	53.6	meq/L	0.10	
Error	Calculation	<1.0	%	1.0	

Customer Sample ID: 63313 Raw

Collect Date/Time: 10/8/2012 09:00

WETLAB Sample ID: 1210173-002

Receive Date: 10/8/2012 10:30

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	93	mg/L	10	10/9/2012
Cyanate	SM 4500 CNL	11	mg/L	0.10	10/16/2012

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Customer Sample ID: 63313 Raw
WETLAB Sample ID: 1210173-002

Collect Date/Time: 10/8/2012 09:00

Receive Date: 10/8/2012 10:30

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	12	mg/L	1.2	10/16/2012
pH	SM 4500-H+ B	9.12	pH Units		10/9/2012
Trace Metals Digestion	EPA 200.2	Complete			10/12/2012
Bicarbonate (HCO3)	SM 2320B	710	mg/L	1.0	10/9/2012
Carbonate (CO3)	SM 2320B	110	mg/L	1.0	10/9/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	10/9/2012
Total Alkalinity	SM 2320B	770	mg/L as CaCO3	1.0	10/9/2012
Chloride	EPA 300.0	90	mg/L	1.0	10/9/2012
Fluoride	EPA 300.0	3.6	mg/L	1.0	10/9/2012
Sulfate	EPA 300.0	1400	mg/L	10	10/9/2012
Nitrate Nitrogen	EPA 300.0	350	mg/L	0.10	10/9/2012
Nitrite Nitrogen	EPA 300.0	0.61	mg/L	0.25	10/9/2012
Electrical Conductivity	SM 2510B	7600	µmhos/cm	1	10/16/2012
Aluminum	EPA 200.7	0.93	mg/L	0.045	10/16/2012
Barium	EPA 200.7	0.053	mg/L	0.010	10/16/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	10/16/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Boron	EPA 200.7	0.19	mg/L	0.10	10/16/2012
Calcium	EPA 200.7	14	mg/L	0.50	10/16/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	10/16/2012
Cobalt	EPA 200.7	0.66	mg/L	0.010	10/16/2012
Copper	EPA 200.7	0.090	mg/L	0.050	10/16/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Iron	EPA 200.7	0.49	mg/L	0.010	10/16/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Magnesium	EPA 200.7	3.4	mg/L	0.50	10/16/2012
Manganese	EPA 200.7	0.015	mg/L	0.0050	10/16/2012
Molybdenum	EPA 200.7	0.32	mg/L	0.010	10/16/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	10/16/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	10/16/2012
Potassium	EPA 200.7	21	mg/L	0.50	10/16/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	10/16/2012
Sodium	EPA 200.7	1800	mg/L	5.0	10/16/2012
Strontium	EPA 200.7	0.63	mg/L	0.10	10/16/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Vanadium	EPA 200.7	0.024	mg/L	0.010	10/16/2012

Customer Sample ID: 63313 Raw
WETLAB Sample ID: 1210173-002

Collect Date/Time: 10/8/2012 09:00

Receive Date: 10/8/2012 10:30

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Zinc	EPA 200.7	0.031	mg/L	0.010	10/16/2012
Mercury	EPA 200.8	0.0040	mg/L	0.0005	10/16/2012
Antimony	EPA 200.8	2.0	mg/L	0.050	10/16/2012
Arsenic	EPA 200.8	4.7	mg/L	0.25	10/16/2012
Cadmium	EPA 200.8	<0.0010	mg/L	0.0010	10/15/2012
Lead	EPA 200.8	0.081	mg/L	0.0025	10/15/2012
Selenium	EPA 200.8	0.044	mg/L	0.025	10/16/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	10/15/2012
Anions	Calculation	72.2	meq/L	0.10	
Cations	Calculation	80.6	meq/L	0.10	
Error	Calculation	5.5	%	1.0	

Customer Sample ID: 63316 Raw
WETLAB Sample ID: 1210173-003

Collect Date/Time: 10/8/2012 09:00

Receive Date: 10/8/2012 10:30

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	31	mg/L	0.10	10/16/2012
Thiocyanate	SM 4500 CNM	59	mg/L	10	10/9/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	29	mg/L	1.2	10/16/2012
pH	SM 4500-H+ B	8.96	pH Units		10/8/2012
Trace Metals Digestion	EPA 200.2	Complete			10/12/2012
Acidity (Titrimetric)	SM 2310B	-111	mg/L as CaCO3		10/17/2012
Bicarbonate (HCO3)	SM 2320B	640	mg/L	1.0	10/8/2012
Carbonate (CO3)	SM 2320B	69	mg/L	1.0	10/8/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	10/8/2012
Total Alkalinity	SM 2320B	640	mg/L as CaCO3	1.0	10/8/2012
Redox Potential	SM 2580B	180	mV		10/8/2012
Chloride	EPA 300.0	58	mg/L	2.0	10/19/2012
Fluoride	EPA 300.0	4.3	mg/L	1.0	10/9/2012
Sulfate	EPA 300.0	1200	mg/L	20	10/19/2012
Nitrate Nitrogen	EPA 300.0	300	HT mg/L	0.20	10/19/2012
Nitrite Nitrogen	EPA 300.0	5.1	mg/L	0.25	10/9/2012
Total Kjeldahl Nitrogen	EPA 351.2	36	mg/L	2.0	10/17/2012
Total Nitrogen	Calc.	130	mg/L	0.070	10/17/2012
Total Dissolved Solids (TDS)	SM 2540C	3900	mg/L	10	10/9/2012
WAD Cyanide	SM 4500CNI	0.083	mg/L	0.010	10/10/2012
Electrical Conductivity	SM 2510B	5800	µmhos/cm	1	10/17/2012
Aluminum	EPA 200.7	0.75	mg/L	0.045	10/16/2012

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Customer Sample ID: 63316 Raw
WETLAB Sample ID: 1210173-003

Collect Date/Time: 10/8/2012 09:00

Receive Date: 10/8/2012 10:30

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Barium	EPA 200.7	0.027	mg/L	0.010	10/16/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	10/16/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Boron	EPA 200.7	0.16	mg/L	0.10	10/16/2012
Calcium	EPA 200.7	7.2	mg/L	0.50	10/16/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	10/16/2012
Cobalt	EPA 200.7	0.48	mg/L	0.010	10/16/2012
Copper	EPA 200.7	0.071	mg/L	0.050	10/16/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Iron	EPA 200.7	0.43	mg/L	0.010	10/16/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Magnesium	EPA 200.7	1.6	mg/L	0.50	10/16/2012
Manganese	EPA 200.7	0.011	mg/L	0.0050	10/16/2012
Molybdenum	EPA 200.7	0.24	mg/L	0.010	10/16/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	10/16/2012
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	10/16/2012
Potassium	EPA 200.7	17	mg/L	0.50	10/16/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	10/16/2012
Sodium	EPA 200.7	1300	mg/L	5.0	10/16/2012
Strontium	EPA 200.7	0.34	mg/L	0.10	10/16/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	10/16/2012
Vanadium	EPA 200.7	0.029	mg/L	0.010	10/16/2012
Zinc	EPA 200.7	0.017	mg/L	0.010	10/16/2012
Mercury	EPA 200.8	0.0041	mg/L	0.0005	10/16/2012
Antimony	EPA 200.8	1.7	mg/L	0.050	10/16/2012
Arsenic	EPA 200.8	5.1	mg/L	0.25	10/16/2012
Cadmium	EPA 200.8	<0.0010	mg/L	0.0010	10/15/2012
Lead	EPA 200.8	0.054	mg/L	0.0025	10/15/2012
Selenium	EPA 200.8	0.038	mg/L	0.025	10/16/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	10/15/2012
Anions	Calculation	61.1	meq/L	0.10	
Cations	Calculation	59.2	meq/L	0.10	
Error	Calculation	1.6	%	1.0	

Western Environmental Testing Laboratory QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12100369	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12100369	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12100369	Blank 3	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12100378	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12100378	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12100393	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12100393	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12100393	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12100396	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12100396	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12100396	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12100399	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12100399	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12100399	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12100401	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12100401	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12100401	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12100410	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12100410	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12100411	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12100411	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12100411	Blank 3	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12100526	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12100617	Blank 1	Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
		Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Copper, Dissolved	EPA 200.7	<0.050	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC12100636	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12100636	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12100636	Blank 3	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12100637	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12100637	Blank 2	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12100646	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12100646	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12100686	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12100691	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12100691	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12100691	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12100691	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12100691	Blank 5	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12100307	LCS 1	Redox Potential	SM 2580B	220	221	99	mV
QC12100307	LCS 2	Redox Potential	SM 2580B	218	221	99	mV
QC12100346	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC12100346	LCS 2	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12100346	LCS 3	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12100348	LCS 1	Alkalinity	SM 2320B	101	100	101	mg/L
QC12100348	LCS 2	Alkalinity	SM 2320B	98.8	100	99	mg/L
QC12100348	LCS 3	Alkalinity	SM 2320B	99.0	100	99	mg/L
QC12100348	LCS 4	Alkalinity	SM 2320B	99.6	100	100	mg/L
QC12100348	LCS 5	Alkalinity	SM 2320B	99.2	100	99	mg/L
QC12100378	LCS 1	Nitrate Nitrogen	EPA 300.0	2.03	2.00	102	mg/L
QC12100386	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC12100386	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12100388	LCS 1	Alkalinity	SM 2320B	99.4	100	99	mg/L
QC12100388	LCS 2	Alkalinity	SM 2320B	99.3	100	99	mg/L
QC12100388	LCS 3	Alkalinity	SM 2320B	99.5	100	99	mg/L
QC12100393	LCS 1	Fluoride	EPA 300.0	1.99	2.00	100	mg/L
QC12100396	LCS 1	Chloride	EPA 300.0	10.5	10.0	105	mg/L
QC12100399	LCS 1	Nitrite Nitrogen	EPA 300.0	0.528	0.500	106	mg/L
QC12100401	LCS 1	Sulfate	EPA 300.0	25.0	25.0	100	mg/L
QC12100410	LCS 1	Total Cyanide	SM 4500CNC	0.094	0.100	94	mg/L
QC12100411	LCS 1	WAD Cyanide	SM 4500CNI	0.102	0.100	102	mg/L
QC12100526	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	164	150	109	mg/L
QC12100617	LCS 1	Mercury	EPA 200.8	0.000872	0.001	87	mg/L
		Antimony	EPA 200.8	0.0091	0.010	91	mg/L
		Arsenic	EPA 200.8	0.0507	0.050	101	mg/L
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L
		Lead	EPA 200.8	0.0090	0.010	90	mg/L
		Selenium	EPA 200.8	0.0462	0.050	92	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC12100631	LCS 1	Thallium	EPA 200.8	0.0091	0.010	91	mg/L	
		Aluminum	EPA 200.7	0.973	1.00	97	mg/L	
		Barium	EPA 200.7	0.965	1.00	96	mg/L	
		Beryllium	EPA 200.7	0.993	1.00	99	mg/L	
		Bismuth	EPA 200.7	0.998	1.00	100	mg/L	
		Boron	EPA 200.7	0.928	1.00	93	mg/L	
		Calcium	EPA 200.7	9.93	10.0	99	mg/L	
		Chromium	EPA 200.7	0.961	1.00	96	mg/L	
		Cobalt	EPA 200.7	0.973	1.00	97	mg/L	
		Copper	EPA 200.7	4.82	5.00	96	mg/L	
		Gallium	EPA 200.7	0.973	1.00	97	mg/L	
		Iron	EPA 200.7	0.984	1.00	98	mg/L	
		Lithium	EPA 200.7	0.976	1.00	98	mg/L	
		Magnesium	EPA 200.7	9.73	10.0	97	mg/L	
		Manganese	EPA 200.7	0.969	1.00	97	mg/L	
		Molybdenum	EPA 200.7	0.972	1.00	97	mg/L	
		Nickel	EPA 200.7	4.84	5.00	97	mg/L	
		Phosphorus	EPA 200.7	4.96	5.00	99	mg/L	
		Potassium	EPA 200.7	9.94	10.0	99	mg/L	
		Scandium	EPA 200.7	0.978	1.00	98	mg/L	
		Silver	EPA 200.7	0.087	0.090	97	mg/L	
		Sodium	EPA 200.7	10.2	10.0	102	mg/L	
		Strontium	EPA 200.7	1.03	1.00	103	mg/L	
		Tin	EPA 200.7	0.968	1.00	97	mg/L	
		Titanium	EPA 200.7	0.989	1.00	99	mg/L	
		Vanadium	EPA 200.7	0.960	1.00	96	mg/L	
		Zinc	EPA 200.7	0.983	1.00	98	mg/L	
QC12100636	LCS 1	Cyanate	SM 4500 CNL	1.00	1.00	100	mg/L	
QC12100637	LCS 1	Electrical Conductivity	SM 2510B	1338	1412	95	µmhos/cm	
QC12100646	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.932	1.00	93	mg/L	
QC12100686	LCS 1	Electrical Conductivity	SM 2510B	1447	1412	102	µmhos/cm	
QC12100691	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.713	0.690	103	mg/L	
QC12100691	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.681	0.690	99	mg/L	
QC12100691	LCS 3	Total Kjeldahl Nitrogen	EPA 351.2	0.682	0.690	99	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12100307	Duplicate	Redox Potential	SM 2580B	1210172-001	484	484	mV	<1%
QC12100307	Duplicate	Redox Potential	SM 2580B	1210181-008	392	394	mV	<1%
QC12100346	Duplicate	pH	SM 4500-H+ B	1210171-001	7.49	7.51	pH Units	<1%
QC12100346	Duplicate	pH	SM 4500-H+ B	1210184-001	7.71	7.70	pH Units	<1%
QC12100346	Duplicate	pH	SM 4500-H+ B	1210185-001	8.65	8.70	pH Units	1 %
QC12100348	Duplicate	Bicarbonate (HCO3)	SM 2320B	1210171-001	131	131	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1210171-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1210171-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1210171-001	107	107	mg/L as CaCO3	<1%
QC12100348	Duplicate	Bicarbonate (HCO3)	SM 2320B	1210184-001	195	193	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1210184-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1210184-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1210184-001	160	158	mg/L as CaCO3	1 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD				
QC12100348	Duplicate	Bicarbonate (HCO3)	SM 2320B	1210185-001	113	109	mg/L	3 %				
		Carbonate (CO3)	SM 2320B	1210185-001	16.1	18.5	mg/L	14 %				
		Hydroxide (OH)	SM 2320B	1210185-001	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1210185-001	119	120	mg/L as CaCO3	1 %				
QC12100348	Duplicate	Bicarbonate (HCO3)	SM 2320B	1210181-007	1.34	<1.000	Q mg/L	60 %				
		Carbonate (CO3)	SM 2320B	1210181-007	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1210181-007	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1210181-007	1.10	<1.000	Q mg/L as CaCO3	60 %				
QC12100386	Duplicate	pH	SM 4500-H+ B	1210207-001	6.78	6.80	pH Units	<1%				
QC12100386	Duplicate	pH	SM 4500-H+ B	1210223-001	7.27	7.24	pH Units	<1%				
QC12100386	Duplicate	pH	SM 4500-H+ B	1210224-003	7.60	7.68	pH Units	1 %				
QC12100386	Duplicate	pH	SM 4500-H+ B	1210222-005	8.08	8.12	pH Units	<1%				
QC12100388	Duplicate	Bicarbonate (HCO3)	SM 2320B	1210207-001	161	162	mg/L	1 %				
		Carbonate (CO3)	SM 2320B	1210207-001	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1210207-001	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1210207-001	132	133	mg/L as CaCO3	1 %				
QC12100388	Duplicate	Bicarbonate (HCO3)	SM 2320B	1210223-001	14.9	15.7	mg/L	5 %				
		Carbonate (CO3)	SM 2320B	1210223-001	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1210223-001	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1210223-001	12.2	12.9	mg/L as CaCO3	5 %				
QC12100388	Duplicate	Bicarbonate (HCO3)	SM 2320B	1210224-003	50.4	50.6	mg/L	<1%				
		Carbonate (CO3)	SM 2320B	1210224-003	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1210224-003	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1210224-003	41.3	41.5	mg/L as CaCO3	<1%				
QC12100388	Duplicate	Bicarbonate (HCO3)	SM 2320B	1210222-005	120	118	mg/L	1 %				
		Carbonate (CO3)	SM 2320B	1210222-005	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1210222-005	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1210222-005	98.2	97.1	mg/L as CaCO3	1 %				
QC12100526	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1209561-001	530	539	mg/L	<1%				
QC12100526	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1210171-001	1904	1976	mg/L	4 %				
QC12100636	Duplicate	Cyanate	SM 4500 CNL	1210225-004	<0.100	<0.100	mg/L	<1%				
QC12100636	Duplicate	Cyanate	SM 4500 CNL				mg/L	%				
QC12100637	Duplicate	Electrical Conductivity	SM 2510B	1210148-001	23900	23800	µmhos/cm	<1%				
QC12100637	Duplicate	Electrical Conductivity	SM 2510B	1210181-010	27.3	27.2	µmhos/cm	<1%				
QC12100674	Duplicate	Acidity (Titrimetric)	SM 2310B	1210145-001	<0.000	<0.000	mg/L as CaCO3	<1%				
QC12100674	Duplicate	Acidity (Titrimetric)	SM 2310B	1210181-003	4.00	4.00	mg/L as CaCO3	<1%				
QC12100686	Duplicate	Electrical Conductivity	SM 2510B	1210173-003	5820	5780	µmhos/cm	1 %				
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12100369	MS 1	Thiocyanate	SM 4500 CN	1210059-021	1.32	2.28	2.28	0.500	mg/L	96	96	<1%
QC12100369	MS 2	Thiocyanate	SM 4500 CN	1210042-001	44.6	97.2	96.5	0.500	mg/L	105	104	1 %
QC12100378	MS 1	Nitrate Nitrogen	EPA 300.0	1210187-001	1.03	3.12	3.12	2.00	mg/L	104	105	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12100393	MS 1	Fluoride	EPA 300.0	1210185-001	8.96	28.0	27.9	2.00	mg/L	95	95	<1%
QC12100393	MS 2	Fluoride	EPA 300.0	1210021-008	5.12	57.6	58.6	2.00	mg/L	105	107	2 %
QC12100396	MS 1	Chloride	EPA 300.0	1210185-001	182	236	236	5.00	mg/L	108	107	<1%
QC12100396	MS 2	Chloride	EPA 300.0	1210021-008	2351	2454	2456	5.00	mg/L	83	84	<1%
QC12100399	MS 1	Nitrite Nitrogen	EPA 300.0	1210185-001	<0.250	5.44	5.48	0.500	mg/L	109	110	1 %
QC12100399	MS 2	Nitrite Nitrogen	EPA 300.0	1210224-001	<0.025	0.550	0.552	0.500	mg/L	108	109	<1%
QC12100401	MS 1	Sulfate	EPA 300.0	1210185-001	482	579	578	10.0	mg/L	97	96	<1%
QC12100401	MS 2	Sulfate	EPA 300.0	1210021-008	184	439	440	10.0	mg/L	102	102	<1%
QC12100410	MS 1	Total Cyanide	SM 4500CNC	1210161-002	<0.010	0.095	0.096	0.100	mg/L	95	96	1 %
QC12100411	MS 1	WAD Cyanide	SM 4500CNI	1210207-001	0.083	0.190	0.186	0.100	mg/L	106	103	2 %
QC12100617	MS 1	Mercury, Dissolved	EPA 200.8	1210184-001	<0.00010	0.000846	0.000865	0.001	mg/L	75	77	2 %
		Antimony, Dissolved	EPA 200.8	1210184-001	<0.0025	0.0098	0.0098	0.010	mg/L	84	84	<1%
		Arsenic, Dissolved	EPA 200.8	1210184-001	0.0055	0.0560	0.0568	0.050	mg/L	101	102	1 %
		Cadmium, Dissolved	EPA 200.8	1210184-001	<0.0010	0.0096	0.0096	0.010	mg/L	95	95	<1%
		Lead, Dissolved	EPA 200.8	1210184-001	<0.0025	0.0086	0.0087	0.010	mg/L	86	86	1 %
		Selenium, Dissolved	EPA 200.8	1210184-001	<0.0050	0.0437	0.0434	0.050	mg/L	84	84	1 %
		Thallium, Dissolved	EPA 200.8	1210184-001	<0.0010	0.0091	0.0092	0.010	mg/L	89	90	1 %
QC12100631	MS 1	Aluminum, Dissolved	EPA 200.7	1210184-001	<0.045	0.989	0.985	1.00	mg/L	98	97	<1%
		Barium, Dissolved	EPA 200.7	1210184-001	0.045	1.01	1.01	1.00	mg/L	97	97	<1%
		Beryllium, Dissolved	EPA 200.7	1210184-001	<0.001	0.982	0.988	1.00	mg/L	98	99	1 %
		Bismuth, Dissolved	EPA 200.7	1210184-001	<0.100	0.965	0.969	1.00	mg/L	97	97	<1%
		Boron, Dissolved	EPA 200.7	1210184-001	<0.100	1.01	1.01	1.00	mg/L	97	97	<1%
		Calcium, Dissolved	EPA 200.7	1210184-001	44.3	54.5	54.8	10.0	mg/L	102	105	1 %
		Chromium, Dissolved	EPA 200.7	1210184-001	<0.005	0.962	0.970	1.00	mg/L	96	97	1 %
		Cobalt, Dissolved	EPA 200.7	1210184-001	<0.010	0.925	0.932	1.00	mg/L	92	93	1 %
		Copper, Dissolved	EPA 200.7	1210184-001	<0.050	4.76	4.73	5.00	mg/L	95	95	1 %
		Gallium, Dissolved	EPA 200.7	1210184-001	<0.100	1.02	1.02	1.00	mg/L	102	102	<1%
		Iron, Dissolved	EPA 200.7	1210184-001	<0.010	0.994	0.992	1.00	mg/L	99	99	<1%
		Lithium, Dissolved	EPA 200.7	1210184-001	<0.100	0.953	0.949	1.00	mg/L	95	94	<1%
		Magnesium, Dissolved	EPA 200.7	1210184-001	15.5	24.7	24.7	10.0	mg/L	92	92	<1%
		Manganese, Dissolved	EPA 200.7	1210184-001	<0.005	0.942	0.946	1.00	mg/L	95	96	<1%
		Molybdenum, Dissolved	EPA 200.7	1210184-001	0.029	1.03	1.03	1.00	mg/L	100	100	<1%
		Nickel, Dissolved	EPA 200.7	1210184-001	<0.010	4.63	4.67	5.00	mg/L	93	93	1 %
		Phosphorus, Dissolved	EPA 200.7	1210184-001	<0.500	5.19	5.22	5.00	mg/L	102	103	1 %
		Potassium, Dissolved	EPA 200.7	1210184-001	1.73	11.6	11.6	10.0	mg/L	99	99	<1%
		Scandium, Dissolved	EPA 200.7	1210184-001	<0.100	0.982	0.984	1.00	mg/L	98	98	<1%
		Silver, Dissolved	EPA 200.7	1210184-001	<0.005	0.088	0.089	0.090	mg/L	99	99	1 %
		Sodium, Dissolved	EPA 200.7	1210184-001	9.14	18.8	18.8	10.0	mg/L	97	97	<1%
		Strontium, Dissolved	EPA 200.7	1210184-001	0.704	1.73	1.74	1.00	mg/L	103	104	1 %
		Tin, Dissolved	EPA 200.7	1210184-001	<0.100	0.964	0.968	1.00	mg/L	99	100	<1%
		Titanium, Dissolved	EPA 200.7	1210184-001	<0.100	0.993	0.990	1.00	mg/L	99	99	<1%
		Vanadium, Dissolved	EPA 200.7	1210184-001	0.013	0.994	0.999	1.00	mg/L	98	99	1 %
		Zinc, Dissolved	EPA 200.7	1210184-001	<0.010	0.967	0.980	1.00	mg/L	97	98	1 %
QC12100646	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1210239-001	0.096	0.922	0.929	1.00	mg/L	83	83	1 %
QC12100691	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1210106-001	1.30	1.94	1.89	0.690	mg/L	92	86	3 %
QC12100691	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1210297-001	<0.100	0.787	0.762	0.690	mg/L	106	102	3 %
QC12100691	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1210296-001	<0.100	0.736	0.805	0.690	mg/L	95	105	9 %
QC12100691	MS 4	Total Kjeldahl Nitrogen	EPA 351.2	1210299-002	0.557	1.26	1.15	0.690	mg/L	103	86	9 %

Specializing in Soil, Hazardous Waste and Water Analysis.

10/29/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1210487

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 10/23/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,



Jennifer Delaney
QA Specialist

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
tel (775) 355-0202
fax (775) 355-0817

ELKO

1084 Lamoille Hwy.
Elko, Nevada 89801
tel (775) 777-9933
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LAS VEGAS

3230 Polaris Ave., Suite 4
Las Vegas, Nevada 89102
tel (702) 475-8899
fax (702) 776-6152

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassidy and Associates - 1210487

General Comments

None

Specific Comments

The cation/anion balance for sample 1210487-003 was outside WETLAB acceptance criteria; however, reanalysis confirmed the original results.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1210487-001 and 002 Copper, Mercury

1210487-003 and 004 Copper, Mercury and Selenium

The reporting limits have been adjusted accordingly.

Subcontracting Comments

The analysis for Total Organic Carbon was performed by Associated Laboratories of Orange, CA. Their report is attached.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 10/29/2012

OrderID: 1210487

Customer Sample ID: 63301, Final Detox

Collect Date/Time: 10/23/2012 09:00

WETLAB Sample ID: 1210487-001

Receive Date: 10/23/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	61	mg/L	10	10/25/2012
Cyanate	SM 4500 CNL	2.4	mg/L	0.10	10/26/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.34	mg/L	0.050	10/29/2012
pH	SM 4500-H+ B	8.36	pH Units		10/23/2012
Trace Metals Digestion	EPA 200.2	Complete			10/24/2012
Acidity (Titrimetric)	SM 2310B	-363	mg/L as CaCO3		10/24/2012
Bicarbonate (HCO3)	SM 2320B	720	mg/L	1.0	10/23/2012
Carbonate (CO3)	SM 2320B	4.4	mg/L	1.0	10/23/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	10/23/2012
Total Alkalinity	SM 2320B	600	mg/L as CaCO3	1.0	10/23/2012
Redox Potential	SM 2580B	280	mV		10/24/2012
Chloride	EPA 300.0	63	mg/L	1.0	10/24/2012
Fluoride	EPA 300.0	2.2	mg/L	1.0	10/24/2012
Sulfate	EPA 300.0	1600	mg/L	10	10/24/2012
Nitrate Nitrogen	EPA 300.0	2.4	mg/L	1.0	10/24/2012
Nitrite Nitrogen	EPA 300.0	130	mg/L	12	10/24/2012
Total Kjeldahl Nitrogen	EPA 351.2	35	mg/L	10	10/25/2012
Total Nitrogen	Calc.	170	mg/L	0.070	10/25/2012
Total Cyanide	SM 4500CNC	21	mg/L	2.5	10/29/2012
Total Dissolved Solids (TDS)	SM 2540C	2900	mg/L	10	10/24/2012
WAD Cyanide	SM 4500CNI	1.3	SC mg/L	0.10	10/29/2012
Electrical Conductivity	SM 2510B	5700	µmhos/cm	1	10/26/2012
Aluminum	EPA 200.7	0.74	mg/L	0.045	10/25/2012
Barium	EPA 200.7	0.062	mg/L	0.010	10/25/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	10/25/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Boron	EPA 200.7	0.17	mg/L	0.10	10/25/2012

Page 3 of 15

Customer Sample ID: 63301, Final Detox

Collect Date/Time: 10/23/2012 09:00

WETLAB Sample ID: 1210487-001

Receive Date: 10/23/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium	EPA 200.7	32	mg/L	0.50	10/25/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	10/25/2012
Cobalt	EPA 200.7	0.58	mg/L	0.010	10/25/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Iron	EPA 200.7	14	mg/L	0.010	10/25/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Magnesium	EPA 200.7	6.6	mg/L	0.50	10/25/2012
Manganese	EPA 200.7	0.070	mg/L	0.0050	10/25/2012
Molybdenum	EPA 200.7	0.22	mg/L	0.010	10/25/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	10/25/2012
Phosphorus	EPA 200.7	0.64	mg/L	0.50	10/25/2012
Potassium	EPA 200.7	15	mg/L	0.50	10/25/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	10/25/2012
Sodium	EPA 200.7	1400	mg/L	25	10/25/2012
Strontium	EPA 200.7	1.0	mg/L	0.10	10/25/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Vanadium	EPA 200.7	0.025	mg/L	0.010	10/25/2012
Zinc	EPA 200.7	0.014	mg/L	0.010	10/25/2012
Mercury	EPA 200.8	<0.0020	mg/L	0.0020	10/29/2012
Antimony	EPA 200.8	1.5	mg/L	0.050	10/29/2012
Arsenic	EPA 200.8	3.1	mg/L	0.10	10/29/2012
Cadmium	EPA 200.8	<0.0010	mg/L	0.0010	10/25/2012
Copper	EPA 200.8	<0.10	mg/L	0.10	10/29/2012
Lead	EPA 200.8	0.054	mg/L	0.0025	10/25/2012
Selenium	EPA 200.8	0.034	mg/L	0.0050	10/25/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	10/25/2012
Anions	Calculation	48.1	meq/L	0.10	
Cations	Calculation	64.3	meq/L	0.10	
Error	Calculation	14	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			

Customer Sample ID: 63304, Final Detox

Collect Date/Time: 10/23/2012 09:00

WETLAB Sample ID: 1210487-002

Receive Date: 10/23/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.6	mg/L	0.10	10/26/2012
Thiocyanate	SM 4500 CNM	88	mg/L	10	10/25/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.21	mg/L	0.050	10/25/2012
pH	SM 4500-H+ B	8.42	pH Units		10/23/2012
Trace Metals Digestion	EPA 200.2	Complete			10/24/2012
Acidity (Titrimetric)	SM 2310B	-117	mg/L as CaCO3		10/24/2012
Bicarbonate (HCO3)	SM 2320B	790	mg/L	1.0	10/23/2012
Carbonate (CO3)	SM 2320B	8.0	mg/L	1.0	10/23/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	10/23/2012
Total Alkalinity	SM 2320B	660	mg/L as CaCO3	1.0	10/23/2012
Redox Potential	SM 2580B	200	mV		10/24/2012
Chloride	EPA 300.0	47	mg/L	1.0	10/24/2012
Fluoride	EPA 300.0	2.4	mg/L	1.0	10/24/2012
Sulfate	EPA 300.0	1400	mg/L	10	10/24/2012
Nitrate Nitrogen	EPA 300.0	12	mg/L	1.0	10/24/2012
Nitrite Nitrogen	EPA 300.0	190	mg/L	12	10/24/2012
Total Kjeldahl Nitrogen	EPA 351.2	40	mg/L	10	10/25/2012
Total Nitrogen	Calc.	250	mg/L	0.070	10/25/2012
Total Cyanide	SM 4500CNC	18 SC	mg/L	2.5	10/29/2012
Total Dissolved Solids (TDS)	SM 2540C	3000	mg/L	10	10/24/2012
WAD Cyanide	SM 4500CNI	0.62	mg/L	0.050	10/29/2012
Electrical Conductivity	SM 2510B	5500	µmhos/cm	1	10/26/2012
Aluminum	EPA 200.7	2.0	mg/L	0.045	10/25/2012
Barium	EPA 200.7	0.058	mg/L	0.010	10/25/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	10/25/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Boron	EPA 200.7	0.16	mg/L	0.10	10/25/2012
Calcium	EPA 200.7	22	mg/L	0.50	10/25/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	10/25/2012
Cobalt	EPA 200.7	0.67	mg/L	0.010	10/25/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Iron	EPA 200.7	11	mg/L	0.010	10/25/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Magnesium	EPA 200.7	4.0	mg/L	0.50	10/25/2012
Manganese	EPA 200.7	0.11	mg/L	0.0050	10/25/2012
Molybdenum	EPA 200.7	0.26	mg/L	0.010	10/25/2012
Nickel	EPA 200.7	0.010	mg/L	0.010	10/25/2012
Phosphorus	EPA 200.7	0.98	mg/L	0.50	10/25/2012

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 2523

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63304, Final Detox

Collect Date/Time: 10/23/2012 09:00

WETLAB Sample ID: 1210487-002

Receive Date: 10/23/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Potassium	EPA 200.7	13	mg/L	0.50	10/25/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	10/25/2012
Sodium	EPA 200.7	1300	mg/L	25	10/25/2012
Strontium	EPA 200.7	0.76	mg/L	0.10	10/25/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Vanadium	EPA 200.7	0.025	mg/L	0.010	10/25/2012
Zinc	EPA 200.7	0.023	mg/L	0.010	10/25/2012
Mercury	EPA 200.8	<0.0020	mg/L	0.0020	10/29/2012
Antimony	EPA 200.8	1.3	mg/L	0.050	10/29/2012
Arsenic	EPA 200.8	5.1	mg/L	0.10	10/29/2012
Cadmium	EPA 200.8	<0.0010	mg/L	0.0010	10/25/2012
Copper	EPA 200.8	<0.10	mg/L	0.10	10/29/2012
Lead	EPA 200.8	0.22	mg/L	0.050	10/29/2012
Selenium	EPA 200.8	0.035	mg/L	0.0050	10/25/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	10/25/2012
Anions	Calculation	45.4	meq/L	0.10	
Cations	Calculation	59.1	meq/L	0.10	
Error	Calculation	<1.0	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			

Customer Sample ID: 63307, Final Detox

Collect Date/Time: 10/23/2012 09:00

WETLAB Sample ID: 1210487-003

Receive Date: 10/23/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.8	mg/L	0.10	10/26/2012
Thiocyanate	SM 4500 CNM	100	mg/L	10	10/25/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.72	mg/L	0.050	10/25/2012
pH	SM 4500-H+ B	8.42	pH Units		10/23/2012
Trace Metals Digestion	EPA 200.2	Complete			10/24/2012
Acidity (Titrimetric)	SM 2310B	-114	mg/L as CaCO3		10/24/2012
Bicarbonate (HCO3)	SM 2320B	950	mg/L	1.0	10/23/2012
Carbonate (CO3)	SM 2320B	9.5	mg/L	1.0	10/23/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	10/23/2012
Total Alkalinity	SM 2320B	790	mg/L as CaCO3	1.0	10/23/2012
Redox Potential	SM 2580B	220	mV		10/24/2012
Chloride	EPA 300.0	56	mg/L	1.0	10/24/2012
Fluoride	EPA 300.0	2.4	mg/L	1.0	10/24/2012
Sulfate	EPA 300.0	1300	mg/L	10	10/24/2012
Nitrate Nitrogen	EPA 300.0	7.1	mg/L	1.0	10/24/2012
Nitrite Nitrogen	EPA 300.0	240	mg/L	12	10/24/2012
Total Kjeldahl Nitrogen	EPA 351.2	43	mg/L	10	10/25/2012
Total Nitrogen	Calc.	290	mg/L	0.070	10/25/2012
Total Cyanide	SM 4500CNC	38	mg/L	2.5	10/29/2012
Total Dissolved Solids (TDS)	SM 2540C	4000	mg/L	10	10/24/2012
WAD Cyanide	SM 4500CNI	0.84	mg/L	0.050	10/29/2012
Electrical Conductivity	SM 2510B	5800	µmhos/cm	1	10/26/2012
Aluminum	EPA 200.7	1.0	mg/L	0.045	10/25/2012
Barium	EPA 200.7	0.048	mg/L	0.010	10/25/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	10/25/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Boron	EPA 200.7	0.16	mg/L	0.10	10/25/2012
Calcium	EPA 200.7	19	mg/L	0.50	10/25/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	10/25/2012
Cobalt	EPA 200.7	0.72	mg/L	0.010	10/25/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Iron	EPA 200.7	15	mg/L	0.010	10/25/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Magnesium	EPA 200.7	4.2	mg/L	0.50	10/25/2012
Manganese	EPA 200.7	0.062	mg/L	0.0050	10/25/2012
Molybdenum	EPA 200.7	0.27	mg/L	0.010	10/25/2012
Nickel	EPA 200.7	<0.010	mg/L	0.010	10/25/2012
Phosphorus	EPA 200.7	1.2	mg/L	0.50	10/25/2012

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Customer Sample ID: 63307, Final Detox

Collect Date/Time: 10/23/2012 09:00

WETLAB Sample ID: 1210487-003

Receive Date: 10/23/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Potassium	EPA 200.7	12	mg/L	0.50	10/25/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	10/25/2012
Sodium	EPA 200.7	1400	mg/L	25	10/29/2012
Strontium	EPA 200.7	0.70	mg/L	0.10	10/25/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Vanadium	EPA 200.7	0.030	mg/L	0.010	10/25/2012
Zinc	EPA 200.7	0.017	mg/L	0.010	10/25/2012
Mercury	EPA 200.8	<0.0020	mg/L	0.0020	10/29/2012
Antimony	EPA 200.8	1.3	mg/L	0.050	10/29/2012
Arsenic	EPA 200.8	6.0	mg/L	0.10	10/29/2012
Cadmium	EPA 200.8	<0.0010	mg/L	0.0010	10/25/2012
Copper	EPA 200.8	<0.10	mg/L	0.10	10/29/2012
Lead	EPA 200.8	0.071	mg/L	0.0025	10/25/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	10/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	10/25/2012
Anions	Calculation	46.6	meq/L	0.10	
Cations	Calculation	63.5	meq/L	0.10	
Error	Calculation	15	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			

Customer Sample ID: 63319, Final Detox

Collect Date/Time: 10/23/2012 09:00

WETLAB Sample ID: 1210487-004

Receive Date: 10/23/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	37	mg/L	10	10/25/2012
Cyanate	SM 4500 CNL	3.0	mg/L	0.10	10/26/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.69	mg/L	0.050	10/25/2012
pH	SM 4500-H+ B	8.84	pH Units		10/23/2012
Trace Metals Digestion	EPA 200.2	Complete			10/24/2012
Acidity (Titrimetric)	SM 2310B	-120	mg/L as CaCO3		10/24/2012
Bicarbonate (HCO3)	SM 2320B	800	mg/L	1.0	10/23/2012
Carbonate (CO3)	SM 2320B	57	mg/L	1.0	10/23/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	10/23/2012
Total Alkalinity	SM 2320B	750	mg/L as CaCO3	1.0	10/23/2012
Redox Potential	SM 2580B	130	mV		10/24/2012
Chloride	EPA 300.0	590	mg/L	10	10/23/2012
Fluoride	EPA 300.0	2.1	mg/L	1.0	10/24/2012
Sulfate	EPA 300.0	390	mg/L	10	10/24/2012
Nitrate Nitrogen	EPA 300.0	9.4	mg/L	1.0	10/24/2012
Nitrite Nitrogen	EPA 300.0	2.8	mg/L	2.5	10/23/2012
Total Kjeldahl Nitrogen	EPA 351.2	18	mg/L	10	10/25/2012
Total Nitrogen	Calc.	30	mg/L	0.070	10/25/2012
Total Cyanide	SM 4500CNC	7.9	mg/L	2.5	10/29/2012
Total Dissolved Solids (TDS)	SM 2540C	2400	mg/L	10	10/24/2012
WAD Cyanide	SM 4500CNI	0.26	mg/L	0.050	10/29/2012
Electrical Conductivity	SM 2510B	4200	µmhos/cm	1	10/26/2012
Aluminum	EPA 200.7	0.71	mg/L	0.045	10/25/2012
Barium	EPA 200.7	0.023	mg/L	0.010	10/25/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	10/25/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Boron	EPA 200.7	0.29	mg/L	0.10	10/25/2012
Calcium	EPA 200.7	9.7	mg/L	0.50	10/25/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	10/25/2012
Cobalt	EPA 200.7	0.34	mg/L	0.010	10/25/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Iron	EPA 200.7	3.8	mg/L	0.010	10/25/2012
Lithium	EPA 200.7	0.12	mg/L	0.10	10/25/2012
Magnesium	EPA 200.7	2.4	mg/L	0.50	10/25/2012
Manganese	EPA 200.7	0.021	mg/L	0.0050	10/25/2012
Molybdenum	EPA 200.7	0.13	mg/L	0.010	10/25/2012
Nickel	EPA 200.7	0.013	mg/L	0.010	10/25/2012
Phosphorus	EPA 200.7	1.5	mg/L	0.50	10/25/2012

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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63319, Final Detox

Collect Date/Time: 10/23/2012 09:00

WETLAB Sample ID: 1210487-004

Receive Date: 10/23/2012 09:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Potassium	EPA 200.7	10	mg/L	0.50	10/25/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	10/25/2012
Sodium	EPA 200.7	980	mg/L	25	10/25/2012
Strontium	EPA 200.7	0.33	mg/L	0.10	10/25/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	10/25/2012
Vanadium	EPA 200.7	0.036	mg/L	0.010	10/25/2012
Zinc	EPA 200.7	0.015	mg/L	0.010	10/25/2012
Mercury	EPA 200.8	<0.0020	mg/L	0.0020	10/29/2012
Antimony	EPA 200.8	0.88	mg/L	0.050	10/29/2012
Arsenic	EPA 200.8	9.4	mg/L	0.10	10/29/2012
Cadmium	EPA 200.8	<0.0010	mg/L	0.0010	10/25/2012
Copper	EPA 200.8	<0.10	mg/L	0.10	10/29/2012
Lead	EPA 200.8	0.068	mg/L	0.0025	10/25/2012
Selenium	EPA 200.8	<0.10	mg/L	0.10	10/29/2012
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	10/25/2012
Anions	Calculation	40.9	meq/L	0.10	
Cations	Calculation	43.9	meq/L	0.10	
Error	Calculation	3.6	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			

Western Environmental Testing Laboratory

QC Report

QC Batch ID	QC Type	Parameter	Method	Result	Units
QC12100893	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12100893	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12100894	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12100894	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12100894	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12100898	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12100898	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12100898	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12100899	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12100899	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12100948	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12100948	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12100948	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12100950	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12100950	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12100950	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12100953	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12100953	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12100953	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12100957	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12100957	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12100957	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12100960	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12100960	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12100968	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12100968	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12100972	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L

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 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC12100987	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12100987	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12100987	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12100999	Blank 1	Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Copper, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
QC12101021	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12101021	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12101025	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12101025	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12101025	Blank 3	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12101026	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12101069	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12101069	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12101072	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12101078	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12101078	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12100893	LCS 1	Chloride	EPA 300.0	10.8	10.0	108	mg/L
QC12100894	LCS 1	Nitrite Nitrogen	EPA 300.0	0.517	0.500	103	mg/L
QC12100898	LCS 1	Sulfate	EPA 300.0	24.8	25.0	99	mg/L
QC12100899	LCS 1	Sulfate	EPA 300.0	24.8	25.0	99	mg/L
QC12100931	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC12100945	LCS 1	pH	SM 4500-H+ B	7.02	7.00	100	pH Units
QC12100945	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12100945	LCS 3	pH	SM 4500-H+ B	7.02	7.00	100	pH Units
QC12100945	LCS 4	pH	SM 4500-H+ B	7.02	7.00	100	pH Units
QC12100948	LCS 1	Fluoride	EPA 300.0	1.95	2.00	98	mg/L
QC12100950	LCS 1	Chloride	EPA 300.0	10.6	10.0	106	mg/L
QC12100952	LCS 1	Alkalinity	SM 2320B	99.9	100	100	mg/L
QC12100952	LCS 2	Alkalinity	SM 2320B	99.7	100	100	mg/L
QC12100952	LCS 3	Alkalinity	SM 2320B	99.7	100	100	mg/L
QC12100952	LCS 4	Alkalinity	SM 2320B	93.6	100	94	mg/L
QC12100952	LCS 5	Alkalinity	SM 2320B	96.6	100	97	mg/L
QC12100953	LCS 1	Nitrite Nitrogen	EPA 300.0	0.516	0.500	103	mg/L
QC12100957	LCS 1	Nitrate Nitrogen	EPA 300.0	2.05	2.00	102	mg/L
QC12100968	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.949	1.00	95	mg/L
QC12100972	LCS 1	Aluminum	EPA 200.7	0.960	1.00	96	mg/L
		Barium	EPA 200.7	0.989	1.00	99	mg/L
		Beryllium	EPA 200.7	0.983	1.00	98	mg/L
		Bismuth	EPA 200.7	1.01	1.00	101	mg/L
		Boron	EPA 200.7	0.958	1.00	96	mg/L
		Calcium	EPA 200.7	9.93	10.0	99	mg/L

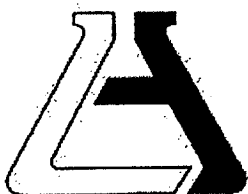
QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
		Chromium	EPA 200.7	0.984	1.00	98	mg/L
		Cobalt	EPA 200.7	1.00	1.00	100	mg/L
		Gallium	EPA 200.7	0.976	1.00	98	mg/L
		Iron	EPA 200.7	0.987	1.00	99	mg/L
		Lithium	EPA 200.7	0.949	1.00	95	mg/L
		Magnesium	EPA 200.7	9.90	10.0	99	mg/L
		Manganese	EPA 200.7	0.973	1.00	97	mg/L
		Molybdenum	EPA 200.7	1.00	1.00	100	mg/L
		Nickel	EPA 200.7	5.00	5.00	100	mg/L
		Phosphorus	EPA 200.7	5.13	5.00	103	mg/L
		Potassium	EPA 200.7	9.62	10.0	96	mg/L
		Scandium	EPA 200.7	0.967	1.00	97	mg/L
		Silver	EPA 200.7	0.088	0.090	97	mg/L
		Sodium	EPA 200.7	10.0	10.0	100	mg/L
		Strontium	EPA 200.7	1.03	1.00	103	mg/L
		Tin	EPA 200.7	1.00	1.00	100	mg/L
		Titanium	EPA 200.7	0.979	1.00	98	mg/L
		Vanadium	EPA 200.7	0.978	1.00	98	mg/L
		Zinc	EPA 200.7	1.03	1.00	103	mg/L
QC12100987	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.723	0.690	105	mg/L
QC12100999	LCS 1	Mercury	EPA 200.8	0.000937	0.001	94	mg/L
		Antimony	EPA 200.8	0.0091	0.010	91	mg/L
		Arsenic	EPA 200.8	0.0516	0.050	103	mg/L
		Cadmium	EPA 200.8	0.0101	0.010	101	mg/L
		Copper	EPA 200.8	0.0098	0.010	98	mg/L
		Lead	EPA 200.8	0.0096	0.010	96	mg/L
		Selenium	EPA 200.8	0.0460	0.050	92	mg/L
		Thallium	EPA 200.8	0.0095	0.010	94	mg/L
QC12101021	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L
QC12101021	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	149	150	100	mg/L
QC12101025	LCS 1	Cyanate	SM 4500 CNL	1.10	1.00	110	mg/L
QC12101026	LCS 1	Electrical Conductivity	SM 2510B	1443	1412	102	µmhos/cm
QC12101069	LCS 1	Total Cyanide	SM 4500CNC	0.091	0.100	91	mg/L
QC12101072	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.940	1.00	94	mg/L
QC12101078	LCS 1	WAD Cyanide	SM 4500CNI	0.102	0.100	102	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12100931	Duplicate	Redox Potential	SM 2580B	1210487-001	280	280	mV	<1%
QC12100945	Duplicate	pH	SM 4500-H+ B	1210485-001	7.20	7.24	pH Units	1 %
QC12100945	Duplicate	pH	SM 4500-H+ B	1210485-002	7.40	7.36	pH Units	1 %
QC12100945	Duplicate	pH	SM 4500-H+ B	1210486-001	8.02	8.02	pH Units	<1%
QC12100945	Duplicate	pH	SM 4500-H+ B	1210488-001	2.07	2.04	pH Units	1 %
QC12100945	Duplicate	pH	SM 4500-H+ B	1210489-001	7.09	7.15	pH Units	1 %
QC12100945	Duplicate	pH	SM 4500-H+ B	1210489-003	7.98	7.99	pH Units	<1%
QC12100945	Duplicate	pH	SM 4500-H+ B	1210495-001	6.60	6.62	pH Units	<1%
QC12100945	Duplicate	pH	SM 4500-H+ B	1210496-005	7.83	7.80	pH Units	<1%
QC12100952	Duplicate	Bicarbonate (HCO3)	SM 2320B	1210485-001	129	130	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1210485-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1210485-001	<1.000	<1.000	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12100952	Duplicate	Total Alkalinity	SM 2320B	1210485-001	106	107	mg/L as CaCO3	1 %
		Bicarbonate (HCO3)	SM 2320B	1210485-002	164	162	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1210485-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1210485-002	<1.000	<1.000	mg/L	<1%
QC12100952	Duplicate	Total Alkalinity	SM 2320B	1210485-002	134	133	mg/L as CaCO3	1 %
		Bicarbonate (HCO3)	SM 2320B	1210486-001	333	326	mg/L	2 %
		Carbonate (CO3)	SM 2320B	1210486-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1210486-001	<1.000	<1.000	mg/L	<1%
QC12100952	Duplicate	Total Alkalinity	SM 2320B	1210486-001	273	267	mg/L as CaCO3	2 %
		Bicarbonate (HCO3)	SM 2320B				mg/L	%
		Carbonate (CO3)	SM 2320B			<0.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B				mg/L	%
QC12100952	Duplicate	Total Alkalinity	SM 2320B				mg/L as CaCO3	%
		Bicarbonate (HCO3)	SM 2320B	1210489-001	41.0	41.2	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1210489-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1210489-001	<1.000	<1.000	mg/L	<1%
QC12100952	Duplicate	Total Alkalinity	SM 2320B	1210489-001	33.7	33.8	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1210489-003	122	120	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1210489-003	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1210489-003	<1.000	<1.000	mg/L	<1%
QC12100952	Duplicate	Total Alkalinity	SM 2320B	1210489-003	99.8	98.8	mg/L as CaCO3	1 %
		Bicarbonate (HCO3)	SM 2320B	1210495-001	10.0	9.96	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1210495-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1210495-001	<1.000	<1.000	mg/L	<1%
QC12100952	Duplicate	Total Alkalinity	SM 2320B	1210495-001	8.24	8.17	mg/L as CaCO3	1 %
		Bicarbonate (HCO3)	SM 2320B	1210496-005	64.4	61.9	mg/L	4 %
		Carbonate (CO3)	SM 2320B	1210496-005	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1210496-005	<1.000	<1.000	mg/L	<1%
QC12100952	Duplicate	Total Alkalinity	SM 2320B	1210496-005	52.8	50.8	mg/L as CaCO3	4 %
		Total Dissolved Solids (TDS)	SM 2540C	1210485-001	773	785	mg/L	2 %
		Total Dissolved Solids (TDS)	SM 2540C	1210489-002	658	678	mg/L	3 %
		Total Dissolved Solids (TDS)	SM 2540C	1210489-003	226	220	mg/L	3 %
QC12101025	Duplicate	Cyanate	SM 4500 CNL	1210471-002	<0.100	<0.100	mg/L	<1%
QC12101025	Duplicate	Cyanate	SM 4500 CNL	1210471-009	1.91	2.51	Q mg/L	27 %
QC12101026	Duplicate	Electrical Conductivity	SM 2510B	1210487-001	5740	5730	µmhos/cm	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12100893	MS 1	Chloride	EPA 300.0	1210485-002	23.8	28.6	28.6	5.00	mg/L	96	96	<1%
QC12100894	MS 1	Nitrite Nitrogen	EPA 300.0	1210467-001	<0.025	0.505	0.523	0.500	mg/L	99	103	4 %
QC12100894	MS 2	Nitrite Nitrogen	EPA 300.0	1210470-004	<0.025	0.512	0.528	0.500	mg/L	100	103	3 %
QC12100898	MS 1	Sulfate	EPA 300.0	1210467-001	27.1	35.9	36.2	10.0	mg/L	87	91	1 %
QC12100898	MS 2	Sulfate	EPA 300.0	1210470-004	<1.000	10.5	10.9	10.0	mg/L	97	101	4 %
QC12100899	MS 1	Sulfate	EPA 300.0	1210485-002	14.6	24.4	24.4	10.0	mg/L	98	99	<1%

QC Batch ID	QC Type	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12100948	MS 1	Fluoride	EPA 300.0	1210492-001	0.212	2.20	2.21	2.00	mg/L	99	100	<1%
QC12100948	MS 2	Fluoride	EPA 300.0	1210493-002	0.896	2.75	2.75	2.00	mg/L	93	92	<1%
QC12100950	MS 1	Chloride	EPA 300.0	1210492-001	<1.000	5.32	5.37	5.00	mg/L	106	106	1 %
QC12100950	MS 2	Chloride	EPA 300.0	1210495-003	<1.000	5.38	5.44	5.00	mg/L	106	107	1 %
QC12100953	MS 1	Nitrite Nitrogen	EPA 300.0	1210492-001	<0.025	0.542	0.547	0.500	mg/L	107	108	1 %
QC12100953	MS 2	Nitrite Nitrogen	EPA 300.0	1210495-003	<0.025	0.544	0.548	0.500	mg/L	107	108	1 %
QC12100957	MS 1	Nitrate Nitrogen	EPA 300.0	1210492-001	<1.000	2.11	2.12	2.00	mg/L	104	104	<1%
QC12100957	MS 2	Nitrate Nitrogen	EPA 300.0	1210493-002	<1.000	2.16	2.18	2.00	mg/L	105	106	1 %
QC12100960	MS 1	Thiocyanate	SM 4500 CN	1210487-001	61.0	115	116	0.500	mg/L	108	109	1 %
QC12100968	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1210353-001	0.058	1.02	0.942	1.00	mg/L	96	88	8 %
QC12100972	MS 1	Aluminum, Dissolved	EPA 200.7	1210412-001	<0.045	0.961	0.946	1.00	mg/L	95	94	2 %
		Barium, Dissolved	EPA 200.7	1210412-001	0.070	1.05	1.04	1.00	mg/L	98	97	1 %
		Beryllium, Dissolved	EPA 200.7	1210412-001	<0.001	0.983	0.986	1.00	mg/L	98	99	<1%
		Bismuth, Dissolved	EPA 200.7	1210412-001	<0.100	0.980	0.974	1.00	mg/L	99	98	1 %
		Boron, Dissolved	EPA 200.7	1210412-001	<0.100	1.05	1.04	1.00	mg/L	100	99	1 %
		Calcium, Dissolved	EPA 200.7	1210412-001	41.7	50.8	50.5	10.0	mg/L	91	88	1 %
		Chromium, Dissolved	EPA 200.7	1210412-001	<0.005	0.978	0.969	1.00	mg/L	98	97	1 %
		Cobalt, Dissolved	EPA 200.7	1210412-001	<0.010	0.947	0.942	1.00	mg/L	95	94	1 %
		Gallium, Dissolved	EPA 200.7	1210412-001	<0.100	0.996	0.982	1.00	mg/L	99	98	1 %
		Iron, Dissolved	EPA 200.7	1210412-001	0.060	1.00	0.986	1.00	mg/L	94	93	1 %
		Lithium, Dissolved	EPA 200.7	1210412-001	<0.100	0.939	0.929	1.00	mg/L	93	92	1 %
		Magnesium, Dissolved	EPA 200.7	1210412-001	14.9	23.9	23.8	10.0	mg/L	90	89	<1%
		Manganese, Dissolved	EPA 200.7	1210412-001	<0.005	0.944	0.933	1.00	mg/L	96	95	1 %
		Molybdenum, Dissolved	EPA 200.7	1210412-001	<0.010	1.01	1.01	1.00	mg/L	101	101	<1%
		Nickel, Dissolved	EPA 200.7	1210412-001	0.030	4.74	4.71	5.00	mg/L	94	94	1 %
		Phosphorus, Dissolved	EPA 200.7	1210412-001	<0.500	5.31	5.35	5.00	mg/L	105	106	1 %
		Potassium, Dissolved	EPA 200.7	1210412-001	1.48	11.3	11.0	10.0	mg/L	98	95	3 %
		Scandium, Dissolved	EPA 200.7	1210412-001	<0.100	0.967	0.968	1.00	mg/L	97	97	<1%
		Silver, Dissolved	EPA 200.7	1210412-001	<0.005	0.087	0.086	0.090	mg/L	97	96	1 %
		Sodium, Dissolved	EPA 200.7	1210412-001	9.25	19.1	19.0	10.0	mg/L	99	98	1 %
		Strontium, Dissolved	EPA 200.7	1210412-001	0.163	1.21	1.21	1.00	mg/L	105	105	<1%
		Tin, Dissolved	EPA 200.7	1210412-001	<0.100	0.992	0.994	1.00	mg/L	102	102	<1%
		Titanium, Dissolved	EPA 200.7	1210412-001	<0.100	0.988	0.972	1.00	mg/L	99	97	2 %
		Vanadium, Dissolved	EPA 200.7	1210412-001	0.018	1.01	0.998	1.00	mg/L	99	98	1 %
		Zinc, Dissolved	EPA 200.7	1210412-001	<0.010	1.01	1.01	1.00	mg/L	101	101	<1%
QC12100987	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1210476-001	15.1	SC 13.9	13.3	0.690	mg/L	NC	NC	NC
QC12100987	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1210281-001	411	SC 469	469	0.690	mg/L	NC	NC	NC
QC12100999	MS 1	Mercury, Dissolved	EPA 200.8	1210412-001	<0.00010	0.000924	0.000901	0.001	mg/L	91	89	3 %
		Antimony, Dissolved	EPA 200.8	1210412-001	<0.0025	0.0092	0.0093	0.010	mg/L	88	90	1 %
		Arsenic, Dissolved	EPA 200.8	1210412-001	0.0134	0.0639	0.0645	0.050	mg/L	101	102	1 %
		Cadmium, Dissolved	EPA 200.8	1210412-001	<0.0010	0.0095	0.0095	0.010	mg/L	93	94	<1%
		Copper, Dissolved	EPA 200.8	1210412-001	<0.0050	M 0.0081	0.0082	0.010	mg/L	NC	NC	NC
		Lead, Dissolved	EPA 200.8	1210412-001	<0.0025	0.0088	0.0089	0.010	mg/L	86	86	1 %
		Selenium, Dissolved	EPA 200.8	1210412-001	<0.0050	0.0444	0.0446	0.050	mg/L	84	84	<1%
		Thallium, Dissolved	EPA 200.8	1210412-001	<0.0010	0.0089	0.0090	0.010	mg/L	89	89	1 %
QC12101069	MS 1	Total Cyanide	SM 4500CNC	1210487-002	17.6	SC 16.3	22.7	0.100	mg/L	NC	NC	NC
QC12101072	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1210543-001	0.109	1.03	1.10	1.00	mg/L	92	99	7 %
QC12101078	MS 1	WAD Cyanide	SM 4500CNI	1210487-001	1.26	SC 1.01	0.905	0.100	mg/L	NC	NC	NC



Associated Laboratories

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Client: Western Environmental Testing Lab.
Address: 475 E. Greg St.
Suite 119
Sparks, NV 89431
Attn: Scott Thompson

Lab Request: 312591
Report Date: 10/26/2012
Date Received: 10/24/2012

Client ID: 10124

Comments: Job #1210487

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAP are indicated on the report. This cover letter is an integral part of the final report.

<u>Sample #</u>	<u>Client Sample ID</u>
312591-001	63301, Final Detox
312591-002	63304, Final Detox
312591-003	63307, Final Detox
312591-004	63319, Final Detox

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Lab Director

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date reported.

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Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 10/23/2012 09:00	Site:	Notes:
Sample #: 312591-001	Client Sample #: 63301, Final Detox	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1130855
Total Organic Carbon (TOC)	68.0	5	2.5	mg/L	10/25/12	quang	

Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 10/23/2012 09:00	Site:	Notes:
Sample #: 312591-002	Client Sample #: 63304, Final Detox	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1130855
Total Organic Carbon (TOC)	73.0	5	2.5	mg/L	10/25/12	quang	

Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 10/23/2012 09:00	Site:	Notes:
Sample #: 312591-003	Client Sample #: 63307, Final Detox	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1130855
Total Organic Carbon (TOC)	82.0	5	2.5	mg/L	10/25/12	quang	

Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 10/23/2012 09:00	Site:	Notes:
Sample #: 312591-004	Client Sample #: 63319, Final Detox	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1130855
Total Organic Carbon (TOC)	57.0	5	2.5	mg/L	10/25/12	quang	

ND = Not Detected or < RDL

RDL = Reporting Detection Limit

DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report
Lab Request 312591 Page 2 of 2



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #312591

QCBatchID: QC1130855	Analyst: quang	Method: SM 5310B
Matrix: Water	Analyzed: 10/25/2012	Instrument: TOC-BIO (group)

Blank Summary						
Analyte	Blank Result	Units		RDL	Notes	
QC1130855MB1						
Dissolved Organic Carbon	ND	mg/L		0.5		
Total Organic Carbon (TOC)	ND	mg/L		0.5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1130855LCS1											
Dissolved Organic Carbon	10		9.70		mg/L	97				80-120	
Total Organic Carbon (TOC)	10		9.70		mg/L	97				80-120	

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes
		MS	MSD	MS	MSD		MS	MSD	RPD	%Rec	RPD	
QC1130855MS1, QC1130855MSD1											Source: 312507-004	
Dissolved Organic Carbon	3.60	10	10	13.6	13.7	mg/L	100	101	0.7	80-120	20	

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report
Lab Request 312591 Page 1 of 2



Notes and Definitions

B	Analyte was present in an associated method blank. Associated sample data was reported with qualifier.
C	Laboratory Contamination.
D	The sample duplicate RPD was not within control limits, the sample data was reported without further clarification.
DF	Dilution Factor
DW	Sample result is calculated on a dry weigh basis
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
MDL	Method Detection Limit
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
ND	Analyte was not detected or was less than the detection limit.
P	Sample was received without proper preservation according to EPA guidelines.
RDL	Reporting Detection Limit
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
T	Sample was extracted/analyzed past the holding time.

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor





CHAIN OF CUSTODY RECORD

312591

ASSOC

Western Environmental Testing Laboratory 475 E. Greg Street #119 Sparks, NV 89431 Scott Thompson Ph: (775) 355-0202 scott@wetlab.com Fax: (775) 355-0817				Total # of sample containers 4		Samplers Initials		All Samples Refrigerated? Y ☒ N ☐			
				System				Compliance: Y ☒ N ☒ CA Write ON: Y ☒ N ☒ QC: Y ☒ N ☒		Water System #:	
Sample Receipt Condition:				Job ID 1210487		Notes: Need results by 10/26/12 THANKS! (Signature)					
Temperature:						SIGNATURE OF COMPANY REPRESENTATIVE:		Date: Time:			
Set Date	Set Time	Sample ID - Site ID	Matrix	Parameter	Container Type	Preservatives					
10/23/2012		63301, Final Detox -	Waste Water	Total Organic Carbon (TOC)							
9:00 AM											
10/23/2012		63304, Final Detox -	Waste Water	Total Organic Carbon (TOC)							
9:00 AM											
10/23/2012		63307, Final Detox -	Waste Water	Total Organic Carbon (TOC)							
9:00 AM											
10/23/2012		63319, Final Detox -	Waste Water	Total Organic Carbon (TOC)							
9:00 AM											
							Sample Type				
Relinquished by: (Signature)		Date: 10/23/12	Time: 10:00	Received by: (Signature) [Signature]	Date: 10/23/12	Time: 10:00	Trip Blank	Grab	Composite	Equipment Blank	
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)	Date: 10/24/12	Time: 10:30	Trip Blank	Grab	Composite	Equipment Blank	
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)	Date:	Time:	Trip Blank	Grab	Composite	Equipment Blank	



ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1	Client: <u>Wet Lab</u>	Project: _____
Date Received: <u>10-24-12</u>	Sampler's Name: <u>Yes</u> No	
Sample(s) received in cooler: <u>Yes</u>	No (Skip Section 2)	
Shipping Information: _____		

Section 2
Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____
Cooler or box temperature: <u>7.0°C</u>
(Acceptance range is 0 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	☒		
Is it properly completed? (IDs, sampling date and time, signature, test)	☒		
Were custody seals present?	☒		
If Yes – were they intact?	☒		
Were all samples sealed in plastic bags?	☒		
Did all samples arrive intact? If no, indicate below.	☒		
Did all bottle labels agree with COC? (ID, dates and times)	☒		
Were correct containers used for the tests required?	☒		
Was a sufficient amount of sample sent for tests indicated?	☒		
Was there headspace in VOA vials?			☒
Were the containers labeled with correct preservatives?	☒		
Was total residual chlorine measured (Fish Bioassay samples only)? *			☒

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N N/A
Completed By: <u>M. G. Best</u> Date: <u>10/24/12</u>



tel (775) 777-9933 | fax (775) 777-9933 | www.WETLaboratory.com

Page _____ of _____

Turnaround Time Requirements

Standard _____

5-Day* _____ 3-Day* _____

48 Hour* _____ 24 Hour* _____

***Surcharges Will Apply**

Samples Collected From Which State?

NV	CA

Other _____

Compliance Monitoring?

Yes	No

Report to Regulatory Agency?

Yes	No

Report Results Via

Fax Mail Only

RDE EDD

PDF EDD

Other: _____

Standard QC Require

Yes	No

DW = Drinking Water **WW** = Wastewater **SW** = Surface Water **MW** = Monitoring Well **SD** = Solid/Sludge **SO** = Soil **HW** = Hazardous Waste **OTHER:**

Samples Received By~~SECRET~~

10

1.

301.2F

10/31/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Jim Defilippi

OrderID: 1210590

Dear: Jim Defilippi

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 10/30/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1210590

General Comments

None

Specific Comments

None

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates**7950 Security Circle****Reno, NV 89506****Attn:** Jim Defilippi**Phone:** (775) 972-7575 **Fax:** (775) 972-4567**PO\Project:** Eagle Gold**Date Printed:** 10/31/2012**OrderID:** 1210590**Customer Sample ID:** 63310, 29 Oct**Collect Date/Time:** 10/30/2012 08:00**WETLAB Sample ID:** 1210590-001**Receive Date:** 10/30/2012 08:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	2.3	mg/L	0.25	10/31/2012

Customer Sample ID: 63310, 30 Oct**Collect Date/Time:** 10/30/2012 08:00**WETLAB Sample ID:** 1210590-002**Receive Date:** 10/30/2012 08:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	2.4	mg/L	0.50	10/31/2012

Customer Sample ID: 63313, 29 Oct**Collect Date/Time:** 10/30/2012 08:00**WETLAB Sample ID:** 1210590-003**Receive Date:** 10/30/2012 08:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	4.4	mg/L	0.25	10/31/2012

Customer Sample ID: 63313, 30 Oct**Collect Date/Time:** 10/30/2012 08:00**WETLAB Sample ID:** 1210590-004**Receive Date:** 10/30/2012 08:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	4.8	mg/L	0.25	10/31/2012

Western Environmental Testing Laboratory
QC Report

QCBatchID	QCType	Parameter	Method	Result	Units							
QC12101178	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L							
QC12101178	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L							
QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units					
QC12101178	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	1.01	1.00	101	mg/L					
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12101178	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1210521-001	<0.050	1.07	1.08	1.00	mg/L	107	108	1 %

11/6/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Jim Defilippi

OrderID: 1211029

Dear: Jim Defilippi

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 11/2/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1211029

General Comments

None

Specific Comments

None

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates**7950 Security Circle****Reno, NV 89506****Attn:** Jim Defilippi**Phone:** (775) 972-7575 **Fax:** (775) 972-4567**PO\Project:** Eagle Gold**Date Printed:** 11/6/2012**OrderID:** 1211029**Customer Sample ID:** 63310, 10-31-12**Collect Date/Time:** 11/2/2012 09:00**WETLAB Sample ID:** 1211029-001**Receive Date:** 11/2/2012 09:10

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	1.1	mg/L	0.050	11/5/2012

Customer Sample ID: 63313, 10,31,12**Collect Date/Time:** 11/2/2012 09:00**WETLAB Sample ID:** 1211029-002**Receive Date:** 11/2/2012 09:10

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	4.3	mg/L	0.25	11/5/2012

Customer Sample ID: 63316, 11-2-12**Collect Date/Time:** 11/2/2012 09:00**WETLAB Sample ID:** 1211029-003**Receive Date:** 11/2/2012 09:10

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	15	mg/L	1.2	11/5/2012

Customer Sample ID: 63322, 11-2-12**Collect Date/Time:** 11/2/2012 09:00**WETLAB Sample ID:** 1211029-004**Receive Date:** 11/2/2012 09:10

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	49	mg/L	1.2	11/5/2012

Western Environmental Testing Laboratory QC Report

QCBatchID	QCType	Parameter	Method	Result	Units								
QC12110155	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L								
QC12110155	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L								
QC12110155	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L								
QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units						
QC12110155	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.856	1.00	86	mg/L						
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD	
QC12110155	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1211021-003	30.7	SC 25.0	24.7	1.00	mg/L	NC	NC	NC	
QC12110155	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1210526-003	<0.050	1.04	1.02	1.00	mg/L	104	102	2 %	

Specializing in Soil, Hazardous Waste and Water Analysis.

11/20/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Jim Defilippi

OrderID: 1211030

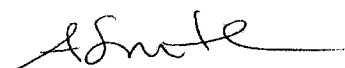
Dear: Jim Defilippi

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 11/2/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,



Andy Smith
QA Manager

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
tel [775] 355-0202
fax [775] 355-0817

ELKO

1084 Lamoille Hwy.
Elko, Nevada 89801
tel [775] 777-9933
fax [775] 777-9933

LAS VEGAS

3230 Polaris Ave., Suite 4
Las Vegas, Nevada 89102
tel [702] 475-8899
fax [702] 776-6152

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassidy and Associates - 1211030

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1211030-002 Mercury

1211030-003 Fluoride

The reporting limits have been adjusted accordingly.

Subcontracting Comments

The analysis for Total Organic Carbon was performed by Associated Laboratories of Orange, CA. Their report is attached.

The analysis for WAD Cyanide was performed by Sierra Environmental Monitoring of Reno, NV. Their report is attached.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
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- NC -- Not calculated due to matrix interference
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- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Jim Defilippi

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 11/20/2012

OrderID: 1211030

Customer Sample ID: 63310, Final Rinse

Collect Date/Time: 11/2/2012 09:00

WETLAB Sample ID: 1211030-001

Receive Date: 11/2/2012 09:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	7.1	mg/L	0.10	11/7/2012
Thiocyanate	SM 4500 CNM	17	mg/L	1.0	11/7/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.95	mg/L	0.051	11/6/2012
pH	SM 4500-H+ B	8.56	pH Units		11/2/2012
Trace Metals Digestion, Dissolved	EPA 200.2	Complete			11/6/2012
Acidity (Titrimetric)	SM 2310B	-188	mg/L as CaCO3		11/12/2012
Bicarbonate (HCO3)	SM 2320B	550	mg/L	1.0	11/2/2012
Carbonate (CO3)	SM 2320B	14	mg/L	1.0	11/2/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/2/2012
Total Alkalinity	SM 2320B	470	mg/L as CaCO3	1.0	11/2/2012
Redox Potential	SM 2580B	280	mV		11/6/2012
Chloride	EPA 300.0	9.1	mg/L	5.0	11/5/2012
Fluoride	EPA 300.0	2.1	mg/L	1.0	11/5/2012
Sulfate	EPA 300.0	220	mg/L	10	11/5/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	110	SC mg/L	1.0	11/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	13	mg/L	10	11/13/2012
Total Nitrogen	Calc.	130	mg/L	1.1	11/14/2012
Total Cyanide	SM 4500CNC	0.38	mg/L	0.10	11/7/2012
Total Dissolved Solids (TDS)	SM 2540C	1600	mg/L	10	11/5/2012
Electrical Conductivity	SM 2510B	2400	µmhos/cm	1	11/9/2012
Aluminum, Dissolved	EPA 200.7	0.74	mg/L	0.045	11/8/2012
Barium, Dissolved	EPA 200.7	0.016	mg/L	0.010	11/8/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	11/8/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Boron, Dissolved	EPA 200.7	0.11	mg/L	0.10	11/8/2012
Calcium, Dissolved	EPA 200.7	6.7	mg/L	0.50	11/8/2012
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	11/8/2012

Page 3 of 12

475 East Greg Street Suite #119
Sparks, NV 89431 (775) 355-0202
EPA Lab ID: NV00925 - ELAP No: 2523

1084 Lamaille Hwy
Elko, NV 89801 (775) 777-9933
EPA Lab ID: NV00926

3230 Polaris Ave #4
Las Vegas, NV 89102 (702) 475-8899
EPA Lab ID: NV00932

Customer Sample ID: 63310, Final Rinse

Collect Date/Time: 11/2/2012 09:00

WETLAB Sample ID: 1211030-001

Receive Date: 11/2/2012 09:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt, Dissolved	EPA 200.7	0.10	mg/L	0.010	11/8/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Iron, Dissolved	EPA 200.7	0.36	mg/L	0.010	11/8/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Magnesium, Dissolved	EPA 200.7	0.72	mg/L	0.50	11/8/2012
Manganese, Dissolved	EPA 200.7	0.0093	mg/L	0.0050	11/8/2012
Molybdenum, Dissolved	EPA 200.7	0.059	mg/L	0.010	11/8/2012
Nickel, Dissolved	EPA 200.7	<0.010	mg/L	0.010	11/8/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	11/8/2012
Potassium, Dissolved	EPA 200.7	5.8	mg/L	0.50	11/8/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	11/8/2012
Sodium, Dissolved	EPA 200.7	500	mg/L	0.50	11/8/2012
Strontium, Dissolved	EPA 200.7	0.15	mg/L	0.10	11/8/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Vanadium, Dissolved	EPA 200.7	0.011	mg/L	0.010	11/8/2012
Zinc, Dissolved	EPA 200.7	0.050	mg/L	0.010	11/8/2012
Mercury, Dissolved	EPA 200.8	0.0016	mg/L	0.0010	11/8/2012
Antimony, Dissolved	EPA 200.8	0.87	mg/L	0.025	11/8/2012
Arsenic, Dissolved	EPA 200.8	4.1	mg/L	0.050	11/8/2012
Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	11/7/2012
Copper, Dissolved	EPA 200.8	0.54	mg/L	0.050	11/8/2012
Lead, Dissolved	EPA 200.8	0.064	mg/L	0.0025	11/7/2012
Selenium, Dissolved	EPA 200.8	0.0085	mg/L	0.0050	11/7/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	11/7/2012
Anions	Calculation	22.3	meq/L	0.10	
Cations	Calculation	20.5	meq/L	0.10	
Error	Calculation	4.1	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			
WAD Cyanide	N/A	See Attached			

Customer Sample ID: 63313, Final Rinse

Collect Date/Time: 11/2/2012 09:00

WETLAB Sample ID: 1211030-002

Receive Date: 11/2/2012 09:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	4.9	mg/L	0.10	11/7/2012
Thiocyanate	SM 4500 CNM	20	mg/L	1.0	11/7/2012

Page 4 of 12

475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 2523

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63313, Final Rinse

Collect Date/Time: 11/2/2012 09:00

WETLAB Sample ID: 1211030-002

Receive Date: 11/2/2012 09:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	3.7	mg/L	0.25	11/6/2012
pH	SM 4500-H+ B	8.80	pH Units		11/2/2012
Trace Metals Digestion, Dissolved	EPA 200.2	Complete			11/6/2012
Acidity (Titrimetric)	SM 2310B	-135	mg/L as CaCO3		11/12/2012
Bicarbonate (HCO3)	SM 2320B	530	mg/L	1.0	11/2/2012
Carbonate (CO3)	SM 2320B	33	mg/L	1.0	11/2/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/2/2012
Total Alkalinity	SM 2320B	490	mg/L as CaCO3	1.0	11/2/2012
Redox Potential	SM 2580B	280	mV		11/6/2012
Chloride	EPA 300.0	17	mg/L	10	11/5/2012
Fluoride	EPA 300.0	3.1	mg/L	1.0	11/5/2012
Sulfate	EPA 300.0	310	mg/L	10	11/5/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	84	mg/L	1.0	11/14/2012
Total Kjeldahl Nitrogen	EPA 351.2	24	mg/L	10	11/13/2012
Total Nitrogen	Calc.	110	mg/L	1.1	11/14/2012
Total Cyanide	SM 4500CNC	1.1	mg/L	0.10	11/7/2012
Total Dissolved Solids (TDS)	SM 2540C	1500	mg/L	10	11/5/2012
Electrical Conductivity	SM 2510B	2400	µmhos/cm	1	11/9/2012
Aluminum, Dissolved	EPA 200.7	0.88	mg/L	0.045	11/8/2012
Barium, Dissolved	EPA 200.7	0.014	mg/L	0.010	11/8/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	11/8/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Boron, Dissolved	EPA 200.7	0.11	mg/L	0.10	11/8/2012
Calcium, Dissolved	EPA 200.7	3.7	mg/L	0.50	11/8/2012
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	11/8/2012
Cobalt, Dissolved	EPA 200.7	0.13	mg/L	0.010	11/8/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Iron, Dissolved	EPA 200.7	0.51	mg/L	0.010	11/8/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	11/8/2012
Manganese, Dissolved	EPA 200.7	0.011	mg/L	0.0050	11/8/2012
Molybdenum, Dissolved	EPA 200.7	0.071	mg/L	0.010	11/8/2012
Nickel, Dissolved	EPA 200.7	<0.010	mg/L	0.010	11/8/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	11/8/2012
Potassium, Dissolved	EPA 200.7	5.9	mg/L	0.50	11/8/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	11/8/2012
Sodium, Dissolved	EPA 200.7	480	mg/L	0.50	11/8/2012

Page 5 of 12

475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 2523

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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63313, Final Rinse

Collect Date/Time: 11/2/2012 09:00

WETLAB Sample ID: 1211030-002

Receive Date: 11/2/2012 09:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Strontium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Vanadium, Dissolved	EPA 200.7	0.026	mg/L	0.010	11/8/2012
Zinc, Dissolved	EPA 200.7	0.027	mg/L	0.010	11/8/2012
Mercury, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	11/8/2012
Antimony, Dissolved	EPA 200.8	0.91	mg/L	0.025	11/8/2012
Arsenic, Dissolved	EPA 200.8	5.2	mg/L	0.050	11/8/2012
Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	11/7/2012
Copper, Dissolved	EPA 200.8	0.84	mg/L	0.050	11/8/2012
Lead, Dissolved	EPA 200.8	0.073	mg/L	0.0025	11/7/2012
Selenium, Dissolved	EPA 200.8	0.020	mg/L	0.0050	11/7/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	11/7/2012
Anions	Calculation	22.9	meq/L	0.10	
Cations	Calculation	20.2	meq/L	0.10	
Error	Calculation	6.2	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			
WAD Cyanide	N/A	See Attached			

Customer Sample ID: 65907

Collect Date/Time: 11/2/2012 09:00

WETLAB Sample ID: 1211030-003

Receive Date: 11/2/2012 09:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	4.4	mg/L	0.10	11/7/2012
Thiocyanate	SM 4500 CNM	3.7	mg/L	0.10	11/7/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.24	mg/L	0.050	11/6/2012
pH	SM 4500-H+ B	8.25	pH Units		11/2/2012
Trace Metals Digestion, Dissolved	EPA 200.2	Complete			11/6/2012
Acidity (Titrimetric)	SM 2310B	-88	mg/L as CaCO3		11/12/2012
Bicarbonate (HCO3)	SM 2320B	450	mg/L	1.0	11/2/2012
Carbonate (CO3)	SM 2320B	<1.0	mg/L	1.0	11/2/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/2/2012
Total Alkalinity	SM 2320B	370	mg/L as CaCO3	1.0	11/2/2012
Redox Potential	SM 2580B	220	mV		11/6/2012
Chloride	EPA 300.0	91	mg/L	10	11/5/2012
Fluoride	EPA 300.0	<1.0	mg/L	1.0	11/5/2012
Sulfate	EPA 300.0	600	mg/L	10	11/5/2012
Nitrate + Nitrite Nitrogen	EPA 353.2	1.1	mg/L	0.10	11/14/2012

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 2523

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 65907

Collect Date/Time: 11/2/2012 09:00

WETLAB Sample ID: 1211030-003

Receive Date: 11/2/2012 09:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Kjeldahl Nitrogen	EPA 351.2	<0.50	mg/L	0.50	11/19/2012
Total Nitrogen	Calc.	<1.1	mg/L	1.1	11/14/2012
Total Cyanide	SM 4500CNC	<0.010	mg/L	0.010	11/7/2012
Total Dissolved Solids (TDS)	SM 2540C	1500	mg/L	10	11/5/2012
Electrical Conductivity	SM 2510B	2300	µmhos/cm	1	11/9/2012
Aluminum, Dissolved	EPA 200.7	<0.045	mg/L	0.045	11/8/2012
Barium, Dissolved	EPA 200.7	<0.010	mg/L	0.010	11/8/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	11/8/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Boron, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Calcium, Dissolved	EPA 200.7	18	mg/L	0.50	11/8/2012
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	11/8/2012
Cobalt, Dissolved	EPA 200.7	<0.010	mg/L	0.010	11/8/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Iron, Dissolved	EPA 200.7	<0.010	mg/L	0.010	11/8/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Magnesium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	11/8/2012
Manganese, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	11/8/2012
Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L	0.010	11/8/2012
Nickel, Dissolved	EPA 200.7	<0.010	mg/L	0.010	11/8/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	11/8/2012
Potassium, Dissolved	EPA 200.7	<0.50	mg/L	0.50	11/8/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	11/8/2012
Sodium, Dissolved	EPA 200.7	460	mg/L	0.50	11/8/2012
Strontium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	11/8/2012
Vanadium, Dissolved	EPA 200.7	<0.010	mg/L	0.010	11/8/2012
Zinc, Dissolved	EPA 200.7	<0.010	mg/L	0.010	11/8/2012
Mercury, Dissolved	EPA 200.8	<0.00010	mg/L	0.00010	11/8/2012
Antimony, Dissolved	EPA 200.8	0.010	mg/L	0.0025	11/8/2012
Arsenic, Dissolved	EPA 200.8	0.067	mg/L	0.0050	11/7/2012
Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	11/7/2012
Copper, Dissolved	EPA 200.8	0.12	mg/L	0.0050	11/8/2012
Lead, Dissolved	EPA 200.8	0.0032	mg/L	0.0025	11/7/2012
Selenium, Dissolved	EPA 200.8	<0.0050	mg/L	0.0050	11/7/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	11/7/2012

Customer Sample ID: 65907

Collect Date/Time: 11/2/2012 09:00

WETLAB Sample ID: 1211030-003

Receive Date: 11/2/2012 09:10

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Anions	Calculation	22.5	meq/L	0.10	
Cations	Calculation	20.0	meq/L	0.10	
Error	Calculation	5.8	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			
WAD Cyanide	N/A	See Attached			

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12110180	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110180	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110183	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12110183	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12110183	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12110185	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12110185	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12110185	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12110189	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12110189	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12110189	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12110199	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110199	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110215	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110215	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110223	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110223	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110223	Blank 3	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110228	Blank 1	Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Copper, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
QC12110284	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units		
QC12110301	Blank 1	Tin, Dissolved	EPA 200.7	<0.10	mg/L		
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L		
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L		
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L		
		Electrical Conductivity	SM 2510B	<1	µmhos/cm		
	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L		
		Thiocyanate	SM 4500 CNM	<0.10	mg/L		
	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L		
		Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L		
	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L		
		Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L		
	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L		
		Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L		
	Blank 1	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L		
		Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L		
	Blank 3	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L		
		Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L		
	Blank 4	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L		
		Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L		
	Blank 5	Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L		
		Nitrate + Nitrite Nitrogen	EPA 353.2	<0.010	mg/L		
QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12110128	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12110128	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC12110130	LCS 1	Total Alkalinity	SM 2320B	98.6	100	99	mg/L
QC12110130	LCS 2	Total Alkalinity	SM 2320B	98.6	100	99	mg/L
QC12110130	LCS 3	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC12110180	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.807	1.00	81	mg/L
QC12110183	LCS 1	Fluoride	EPA 300.0	2.04	2.00	102	mg/L
QC12110185	LCS 1	Chloride	EPA 300.0	10.6	10.0	106	mg/L
QC12110189	LCS 1	Sulfate	EPA 300.0	25.2	25.0	101	mg/L
QC12110194	LCS 1	Redox Potential	SM 2580B	220	221	99	mV
QC12110199	LCS 1	Cyanate	SM 4500 CNL	1.04	1.00	104	mg/L
QC12110215	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	161	150	108	mg/L
QC12110215	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	156	150	104	mg/L
QC12110223	LCS 1	Total Cyanide	SM 4500CNC	0.093	0.100	93	mg/L
QC12110228	LCS 1	Mercury, Dissolved	EPA 200.8	0.000887	0.001	89	mg/L
		Antimony, Dissolved	EPA 200.8	0.0095	0.010	95	mg/L
		Arsenic, Dissolved	EPA 200.8	0.0508	0.050	102	mg/L
		Cadmium, Dissolved	EPA 200.8	0.0098	0.010	98	mg/L
		Copper, Dissolved	EPA 200.8	0.0094	0.010	94	mg/L
		Lead, Dissolved	EPA 200.8	0.0097	0.010	96	mg/L
		Selenium, Dissolved	EPA 200.8	0.0458	0.050	92	mg/L
		Thallium, Dissolved	EPA 200.8	0.0097	0.010	96	mg/L
		Aluminum, Dissolved	EPA 200.7	0.967	1.00	97	mg/L
		Barium, Dissolved	EPA 200.7	0.987	1.00	99	mg/L
		Beryllium, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Bismuth, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Boron, Dissolved	EPA 200.7	0.963	1.00	96	mg/L
		Calcium, Dissolved	EPA 200.7	10.1	10.0	101	mg/L
		Chromium, Dissolved	EPA 200.7	0.982	1.00	98	mg/L
		Cobalt, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Gallium, Dissolved	EPA 200.7	0.959	1.00	96	mg/L
		Iron, Dissolved	EPA 200.7	0.982	1.00	98	mg/L
		Lithium, Dissolved	EPA 200.7	0.940	1.00	94	mg/L
		Magnesium, Dissolved	EPA 200.7	9.75	10.0	98	mg/L
		Manganese, Dissolved	EPA 200.7	0.995	1.00	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
		Molybdenum, Dissolved	EPA 200.7	0.995	1.00	100	mg/L
		Nickel, Dissolved	EPA 200.7	4.97	5.00	99	mg/L
		Phosphorus, Dissolved	EPA 200.7	5.18	5.00	104	mg/L
		Potassium, Dissolved	EPA 200.7	9.59	10.0	96	mg/L
		Scandium, Dissolved	EPA 200.7	0.974	1.00	97	mg/L
		Silver, Dissolved	EPA 200.7	0.088	0.090	98	mg/L
		Sodium, Dissolved	EPA 200.7	9.06	10.0	91	mg/L
		Strontium, Dissolved	EPA 200.7	0.892	1.00	89	mg/L
		Tin, Dissolved	EPA 200.7	0.999	1.00	100	mg/L
		Titanium, Dissolved	EPA 200.7	0.981	1.00	98	mg/L
		Vanadium, Dissolved	EPA 200.7	0.978	1.00	98	mg/L
		Zinc, Dissolved	EPA 200.7	1.03	1.00	103	mg/L
QC12110301	LCS 1	Electrical Conductivity	SM 2510B	1434	1412	102	µmhos/cm
QC12110424	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.663	0.690	96	mg/L
QC12110424	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.724	0.690	105	mg/L
QC12110482	LCS 1	Nitrate + Nitrite Nitrogen	EPA 353.2	0.820	0.800	102	mg/L
QC12110482	LCS 2	Nitrate + Nitrite Nitrogen	EPA 353.2	0.816	0.800	102	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12110128	Duplicate	pH	SM 4500-H+ B	1211033-001	7.76	7.78	pH Units	<1%
QC12110128	Duplicate	pH	SM 4500-H+ B	1211030-001	8.56	8.57	pH Units	<1%
QC12110130	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211033-001	173	174	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1211033-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211033-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211033-001	142	142	mg/L as CaCO3	<1%
QC12110130	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211030-001	550	549	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1211030-001	14.0	14.2	mg/L	2 %
		Hydroxide (OH)	SM 2320B	1211030-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211030-001	475	474	mg/L as CaCO3	<1%
QC12110194	Duplicate	Redox Potential	SM 2580B	1211063-001	469	475	mV	1 %
QC12110194	Duplicate	Redox Potential	SM 2580B	1211063-011	384	380	mV	1 %
QC12110199	Duplicate	Cyanate	SM 4500 CNL	1211030-003	4.44	5.09	mg/L	14 %
QC12110215	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1210630-004	178	171	mg/L	4 %
QC12110215	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211030-001	1592	1556	mg/L	2 %
QC12110215	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211035-002	3476	3432	mg/L	1 %
QC12110301	Duplicate	Electrical Conductivity	SM 2510B	1211002-001	7280	5410	µmhos/cm	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12110180	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1211030-001	0.955	1.86	1.80	1.00	mg/L	90	85	3 %
QC12110183	MS 1	Fluoride	EPA 300.0	1211035-003	1.22	22.4	21.6	2.00	mg/L	106	102	4 %
QC12110183	MS 2	Fluoride	EPA 300.0	1211033-001	0.188	2.33	2.33	2.00	mg/L	107	107	<1%
QC12110185	MS 1	Chloride	EPA 300.0	1211008-006	21.1	74.9	75.7	5.00	mg/L	108	109	1 %
QC12110185	MS 2	Chloride	EPA 300.0	1211035-003	26.5	74.7	74.5	5.00	mg/L	96	96	<1%
QC12110189	MS 1	Sulfate	EPA 300.0	1211008-006	<10.00	110	111	10.0	mg/L	103	104	1 %
QC12110189	MS 2	Sulfate	EPA 300.0	1211035-003	324	M 393	391	10.0	mg/L	NC	NC	NC
QC12110223	MS 1	Total Cyanide	SM 4500CNC	1211030-001	0.383	1.30	1.47	0.100	mg/L	92	108	12 %
QC12110228	MS 1	Mercury, Dissolved	EPA 200.8	1211033-001	<0.00010	0.000798	0.000786	0.001	mg/L	80	79	2 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12110284	MS 1	Antimony, Dissolved	EPA 200.8	1211033-001	<0.0025	0.0097	0.0097	0.010	mg/L	94	94	<1%
		Arsenic, Dissolved	EPA 200.8	1211033-001	<0.0050	0.0553	0.0550	0.050	mg/L	105	104	1 %
		Cadmium, Dissolved	EPA 200.8	1211033-001	<0.0010	0.0096	0.0096	0.010	mg/L	95	95	<1%
		Copper, Dissolved	EPA 200.8	1211033-001	<0.0050	0.0103	0.0104	0.010	mg/L	97	98	1 %
		Lead, Dissolved	EPA 200.8	1211033-001	<0.0025	0.0092	0.0094	0.010	mg/L	90	92	2 %
		Selenium, Dissolved	EPA 200.8	1211033-001	<0.0050	0.0469	0.0463	0.050	mg/L	92	90	1 %
		Thallium, Dissolved	EPA 200.8	1211033-001	<0.0010	0.0095	0.0096	0.010	mg/L	94	95	1 %
		Aluminum, Dissolved	EPA 200.7	1211033-001	<0.045	0.951	0.947	1.00	mg/L	95	94	<1%
		Barium, Dissolved	EPA 200.7	1211033-001	0.066	1.03	1.02	1.00	mg/L	96	95	1 %
		Beryllium, Dissolved	EPA 200.7	1211033-001	<0.001	0.998	0.992	1.00	mg/L	100	99	1 %
		Bismuth, Dissolved	EPA 200.7	1211033-001	<0.100	0.963	0.957	1.00	mg/L	97	96	1 %
		Boron, Dissolved	EPA 200.7	1211033-001	<0.100	1.03	1.03	1.00	mg/L	97	97	<1%
		Calcium, Dissolved	EPA 200.7	1211033-001	41.1	51.3	52.1	10.0	mg/L	102	110	2 %
		Chromium, Dissolved	EPA 200.7	1211033-001	<0.005	0.964	0.955	1.00	mg/L	96	96	1 %
		Cobalt, Dissolved	EPA 200.7	1211033-001	<0.010	0.941	0.930	1.00	mg/L	94	93	1 %
		Gallium, Dissolved	EPA 200.7	1211033-001	<0.100	0.985	0.979	1.00	mg/L	98	98	1 %
		Iron, Dissolved	EPA 200.7	1211033-001	<0.010	0.964	0.961	1.00	mg/L	96	96	<1%
		Lithium, Dissolved	EPA 200.7	1211033-001	<0.100	0.924	0.917	1.00	mg/L	92	91	1 %
		Magnesium, Dissolved	EPA 200.7	1211033-001	14.6	23.1	23.4	10.0	mg/L	85	88	1 %
		Manganese, Dissolved	EPA 200.7	1211033-001	<0.005	0.956	0.946	1.00	mg/L	97	96	1 %
		Molybdenum, Dissolved	EPA 200.7	1211033-001	<0.010	0.984	0.979	1.00	mg/L	98	98	1 %
		Nickel, Dissolved	EPA 200.7	1211033-001	<0.010	4.66	4.61	5.00	mg/L	93	92	1 %
		Phosphorus, Dissolved	EPA 200.7	1211033-001	<0.500	5.27	5.25	5.00	mg/L	104	103	<1%
		Potassium, Dissolved	EPA 200.7	1211033-001	1.46	11.0	11.1	10.0	mg/L	95	96	1 %
		Scandium, Dissolved	EPA 200.7	1211033-001	<0.100	0.961	0.956	1.00	mg/L	96	96	1 %
		Silver, Dissolved	EPA 200.7	1211033-001	<0.005	0.087	0.087	0.090	mg/L	96	96	<1%
		Sodium, Dissolved	EPA 200.7	1211033-001	8.52	17.7	17.9	10.0	mg/L	92	94	1 %
		Strontium, Dissolved	EPA 200.7	1211033-001	0.148	1.10	1.11	1.00	mg/L	95	96	1 %
		Tin, Dissolved	EPA 200.7	1211033-001	<0.100	0.974	0.972	1.00	mg/L	100	100	<1%
		Titanium, Dissolved	EPA 200.7	1211033-001	<0.100	0.972	0.967	1.00	mg/L	97	97	1 %
		Vanadium, Dissolved	EPA 200.7	1211033-001	<0.010	0.984	0.976	1.00	mg/L	98	97	1 %
		Zinc, Dissolved	EPA 200.7	1211033-001	<0.010	0.997	0.994	1.00	mg/L	100	99	<1%
QC12110328	MS 1	Thiocyanate	SM 4500 CN	1211030-001	17.1	21.8	21.6	0.500	mg/L	94	91	1 %
QC12110424	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1211033-001	<0.100	0.740	0.734	0.690	mg/L	107	106	1 %
QC12110424	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1211145-002	22.2	SC 20.4	20.1	0.690	mg/L	NC	NC	NC
QC12110424	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1210536-005	0.145	0.852	0.869	0.690	mg/L	102	105	2 %
QC12110482	MS 1	Nitrate + Nitrite Nitrogen	EPA 353.2	1211162-001	<0.100	10.4	10.5	1.00	mg/L	104	105	1 %
QC12110482	MS 2	Nitrate + Nitrite Nitrogen	EPA 353.2	1211196-001	2.60	13.2	13.2	1.00	mg/L	106	106	<1%
QC12110482	MS 3	Nitrate + Nitrite Nitrogen	EPA 353.2	1211055-007	<0.100	10.4	10.6	1.00	mg/L	103	105	2 %
QC12110482	MS 4	Nitrate + Nitrite Nitrogen	EPA 353.2	1211030-001	113	SC 112	118	1.00	mg/L	NC	NC	NC



Associated Laboratories

806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
Info@associatedlabs.com



Client: Western Environmental Testing Lab.
Address: 475 E. Greg St
Suite 119
Sparks, NV 89431
Attn: Scott Thompson

Lab Request: 313183
Report Date: 11/12/2012
Date Received: 11/06/2012

Client ID: 10124

Comments: Job #1211030

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

<u>Sample #</u>	<u>Client Sample ID</u>
313183-001	63310, Final Rinse
313183-002	63313, Final Rinse
313183-003	65907

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Lab Director

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 11/02/2012 09:00	Site:	Notes:
Sample #: 313183-001	Client Sample #: 63310, Final Rinse	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1131308
Total Organic Carbon (TOC)	13.0	2	1	mg/L	11/09/12	quang	

Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 11/02/2012 09:00	Site:	Notes:
Sample #: 313183-002	Client Sample #: 63313, Final Rinse	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1131308
Total Organic Carbon (TOC)	15.0	2	1	mg/L	11/09/12	quang	

Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 11/02/2012 09:00	Site:	Notes:
Sample #: 313183-003	Client Sample #: 65907	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1131308
Total Organic Carbon (TOC)	3.0	2	1	mg/L	11/09/12	quang	

ND = Not Detected or < RDL

RDL = Reporting Detection Limit

DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 313183 Page 2 of 2



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #313183

QCBatchID: QC1131308	Analyst: quang	Method: SM 5310B
Matrix: Water	Analyzed: 11/09/2012	Instrument: TOC-BIO (group)

Blank Summary						
Analyte	Blank Result	Units	RDL	Notes		
QC1131308MB1						
Total Organic Carbon (TOC)	ND	mg/L	0.5			

Lab Control Spike/ Lab Control Spike Duplicate Summary										
Analyte	Spike Amount		Spike Result		Units	Recoveries		Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD	RPD	%Rec	
QC1131308LCS1										
Total Organic Carbon (TOC)	10		9.60		mg/L	96		80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1131308MS1, QC1131308MSD1											Source: 313183-003	
Total Organic Carbon (TOC)	3.0	10	10	13.0	13.2	mg/L	100	102	1.5	80-120	20	

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 313183 Page 1 of 2



Notes and Definitions

B	Analyte was present in an associated method blank. Associated sample data was reported with qualifier.
C	Laboratory Contamination.
D	The sample duplicate RPD was not within control limits, the sample data was reported without further clarification.
DF	Dilution Factor
DW	Sample result is calculated on a dry weigh basis
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
MDL	Method Detection Limit
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
ND	Analyte was not detected or was less than the detection limit.
P	Sample was received without proper preservation according to EPA guidelines.
RDL	Reporting Detection Limit
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
T	Sample was extracted/analyzed past the holding time.

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor





CHAIN OF CUSTODY RECORD

313183

Western Environmental Testing Laboratory 475 E. Greg Street #119 Sparks, NV 89431 Scott Thompson P#: (775) 355-0202 scott@wetlab.com Fax: (775) 355-0817				Total # of sample containers System		Samplers Initials All Samples Refrigerated? ☒ Y ☐ N Compliance: ☒ Y ☐ N CA Write ON: ☒ Y ☐ N QC: ☒ Y ☐ N Water System #:	
Sample Receipt Condition:				Job ID 1211030		Notes: NEAD BY: 11/16/12	
Temperature:				SIGNATURE OF COMPANY REPRESENTATIVE: _____ Date: _____ Time: _____			
Set Date Set Time	Sample ID - Site ID	Matrix	Parameter	Container Type	Preservatives		
11/2/2012 9:00 AM	63310, Final Rinse -	Waste Water	Total Organic Carbon (TOC)				
11/2/2012 9:00 AM	63313, Final Rinse -	Waste Water	Total Organic Carbon (TOC)				
11/2/2012 9:00 AM	66907 -	Waste Water	Total Organic Carbon (TOC)				
Sample Type							
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Trip Blank	Grab
	11/5/12	9:30	ov tra	11/5/12	9:30		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Trip Blank	Grab
			pham	11/6	9:44		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Trip Blank	Grab
						Composite	Equipment Blank
						Equipment Blank	

**ASSOCIATED LABORATORIES**

806 North Batavia – Orange, California 92868 – 714-771-6900

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST**Section 1**Client: Wetlab

Project: _____

Date Received: 11-6-12Sampler's Name: Yes NoSample(s) received in cooler: Yes

No (Skip Section 2)

Shipping Information: _____

Section 2Was the cooler packed with: X Ice _____ Ice Packs _____ Bubble Wrap _____ Styrofoam
_____ Paper _____ None _____ Other _____Cooler or box temperature: 30

(Acceptance range is 0 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	<u>X</u>		
Is it properly completed? (IDs, sampling date and time, signature, test)	<u>X</u>		
Were custody seals present?			<u>X</u>
If Yes – were they intact?			<u>X</u>
Were all samples sealed in plastic bags?	<u>X</u>		
Did all samples arrive intact? If no, indicate below.	<u>X</u>		
Did all bottle labels agree with COC? (ID, dates and times)	<u>X</u>		
Were correct containers used for the tests required?	<u>X</u>		
Was a sufficient amount of sample sent for tests indicated?	<u>X</u>		
Was there headspace in VOA vials?			<u>X</u>
Were the containers labeled with correct preservatives?			<u>X</u>
Was total residual chlorine measured (Fish Bioassay samples only)? *			<u>X</u>

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4

Explanations/Comments

Section 5

Was Project Manager notified of discrepancies: Y / N N/A

Completed By: PhongDate: 11-6-12

Laboratory Report
Report ID: 124601



**Sierra
Environmental
Monitoring, Inc.**

WET-Western Environmental Testing Laboratory
Attn: Scott Thompson
475 East Greg Street., Suite 119
Sparks, NV 89431

Date: 11/14/2012
Client: WET-142
Taken by: Client
PO #: 1211030

Dear Scott Thompson,

It is the policy of Sierra Environmental Monitoring, Inc to strictly adhere to a comprehensive Quality Assurance Plan that insures the data presented in this report are both accurate and precise. Sierra Environmental Monitoring, Inc. maintains accreditation in the State of Nevada (NV-15 and NV-921) and the State of California (ELAP 2526).

The data presented in this report were obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with appropriate explanation in the Analysis Report section of this Laboratory Report.

General Comments:

- There are no general comments for this report.

Individual Sample Comments:

- There are no specific comments that are associated with these samples.

Approved By:

Date:

11/14/2012

Sierra Environmental Monitoring, Inc.

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.

Laboratory Report

Report ID: 124601



**Sierra
Environmental
Monitoring, Inc.**

WET-Western Environmental Testing Laboratory
Attn: Scott Thompson
475 East Greg Street., Suite 119
Sparks, NV 89431

Date: 11/14/2012
Client: WET-142
Taken by: Client
PO #: 1211030

Analysis Report

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201211-0604	1211030 - 63310, Final Rinse	11/2/2012	9:00 AM	11/12/2012

Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Cyanide, WAD	SM 4500 CN I	0.047	mg/L	0.025	Kobza	11/13/2012	

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201211-0605	1211030 - 63313, Final Rinse	11/2/2012	9:00 AM	11/12/2012

Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Cyanide, WAD	SM 4500 CN I	<0.025	mg/L	0.025	Kobza	11/13/2012	

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201211-0606	1211030 - 65907,	11/2/2012	9:00 AM	11/12/2012

Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Cyanide, WAD	SM 4500 CN I	<0.025	mg/L	0.025	Kobza	11/13/2012	

Data Flag Legend:

Laboratory Report
Report ID: 124601



**Sierra
Environmental
Monitoring, Inc.**

WET-Western Environmental Testing Laboratory
Attn: Scott Thompson
475 East Greg Street., Suite 119
Sparks, NV 89431

Date: 11/14/2012
Client: WET-142
Taken by: Client
PO #: 1211030

Quality Control Report

<i>Parameter</i>	<i>LCS, % Recovery</i>	<i>MS, % Recovery</i>	<i>MSD, % Recovery</i>	<i>RPD, %</i>	<i>Method Blank</i>
Cyanide, WAD	87.0	79.0			<0.005 mg/L
Legend: <i>LCS- Laboratory Control Standard</i> <i>MS- Matrix Spike</i> <i>MSD- Matrix Spike Duplicate</i> <i>RPD- Relative Percent Difference</i>					



CHAIN OF CUSTODY RECORD

RUSH

Due 11/15/12

124601

S

SEN

24 48 72 4 S

Western Environmental Testing Laboratory
475 E. Greg Street #119
Sparks, NV 89431
Scott Thompson Ph: (775) 355-0202
scott@wetlab.com Fax: (775) 355-0817

Total # of sample containers 3

System

Samplers Initials

All Samples Refrigerated?: Y ☒ N ☐
Compliance: Y ☒ N ☐
CA Write ON: Y ☐ N ☐
QC: Y ☒ N ☐
Water System #:

Sample Receipt Condition:

Temperature:

Job ID
1211030

Notes:

Signature of Company Representative: _____
Date: _____ Time: _____

Set Date	Sample ID - Site ID	Matrix	Parameter	Container Type	Preservatives
11/2/2012	63310, Final Rinse -	Waste Water	WAD Cyanide		
9:00 AM			SM 4500CU1		
11/2/2012	63310, Final Rinse -	Waste Water	Total Organic Carbon (TOC)		
9:00 AM			38		
11/2/2012	63313, Final Rinse -	Waste Water	WAD Cyanide		
9:00 AM			SM 4500CU1		
11/2/2012	63313, Final Rinse -	Waste Water	Total Organic Carbon (TOC)		
9:00 AM			38		
11/2/2012	65907 -	Waste Water	WAD Cyanide		
9:00 AM			SM 4500CU1		
11/2/2012	65907 -	Waste Water	Total Organic Carbon (TOC)		
9:00 AM			38		



CHAIN OF CUSTODY RECORD

				Sample Type					
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Trip Blank	Grab	Composite	Equipment Blank
	11/21/12			11/22/12					
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Trip Blank	Grab	Composite	Equipment Blank
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Trip Blank	Grab	Composite	Equipment Blank

Laboratory Report

Report ID: 124853



**Sierra
Environmental
Monitoring, Inc.**

Kappes Cassiday & Assoc.
Attn: Terry Albert
7950 Security Circle
Reno, NV 89506

Date: 12/4/2012
Client: KAP-565
Taken by: J. Defilippi
PO #:

Dear Terry Albert,

It is the policy of Sierra Environmental Monitoring, Inc to strictly adhere to a comprehensive Quality Assurance Plan that insures the data presented in this report are both accurate and precise. Sierra Environmental Monitoring, Inc. maintains accreditation in the State of Nevada (NV-15 and NV-921) and the State of California (ELAP 2526).

The data presented in this report were obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with appropriate explanation in the Analysis Report section of this Laboratory Report.

General Comments:

- There are no general comments for this report.

Individual Sample Comments:

- There are no specific comments that are associated with these samples.

Approved By:

Date:


Sierra Environmental Monitoring, Inc.

12/4/2012

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.

Laboratory Report

Report ID: 124853



**Sierra
Environmental
Monitoring, Inc.**

Kappes Cassiday & Assoc.
Attn: Terry Albert
7950 Security Circle
Reno, NV 89506

Date: 12/4/2012
Client: KAP-565
Taken by: J. Defilippi
PO #:

Analysis Report

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received			
S201211-1233	65907	11/26/2012	12:00 PM	11/26/2012			
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Alkalinity, Total	SM 2320 B	470	mg/L CaCO ₃	2	Pacheco	11/26/2012	
Alkalinity/Bicarbonate	SM 2320 B	460	mg/L CaCO ₃	2	Pacheco	11/26/2012	
Alkalinity/Carbonate	SM 2320 B	10	mg/L CaCO ₃	2	Pacheco	11/26/2012	
Alkalinity/Hydroxide	SM 2320 B	<2	mg/L CaCO ₃	2	Pacheco	11/26/2012	
Aluminum - ICP-OES	EPA 200.7	<0.05	mg/L	0.05	Keller	11/27/2012	
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	11/29/2012	
Antimony - ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Arsenic - ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Barium - ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Beryllium - ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Bismuth - ICP-OES	EPA 200.7	<0.1	mg/L	0.1	Keller	11/27/2012	
Boron - ICP-OES	EPA 200.7	<0.05	mg/L	0.05	Keller	11/27/2012	
Cadmium - ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Calcium - ICP-OES	EPA 200.7	20	mg/L	0.5	Keller	11/27/2012	C
Chloride - Ion Chromatography	EPA 300.0	94	mg/L	0.5	Faulstich	11/26/2012	
Chromium - ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Cobalt - ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Copper - ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Cyanate - Ion Chromatography	EPA 300.0	<2.5	mg/L	2.5	Faulstich	11/30/2012	
Fluoride - Ion Chromatography	EPA 300.0	<0.1	mg/L	0.1	Faulstich	11/26/2012	
Gallium - ICP-OES	EPA 200.7	<0.1	mg/L	0.1	Keller	11/27/2012	
Iron - ICP-OES	EPA 200.7	<0.05	mg/L	0.05	Keller	11/27/2012	
Lanthanum - ICP-OES	EPA 200.7	<0.05	mg/L	0.05	Keller	11/27/2012	
Lead - ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Lithium - ICP-OES	EPA 200.7	<0.1	mg/L	0.1	Keller	11/27/2012	
Magnesium - ICP-OES	EPA 200.7	<0.5	mg/L	0.5	Keller	11/27/2012	
Manganese - ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Mercury - AA Cold Vapor	EPA 245.1	<0.0002	mg/L	0.0002	Kleinworth	11/28/2012	
Molybdenum - ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Nickel - ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Nitrate-N - Ion Chromatography	EPA 300.0	<0.05	mg/L N	0.05	Faulstich	11/26/2012	
pH	SM 4500 H+B	8.36	pH Units		Pacheco	11/26/2012	
pH - Temperature	SM 4500 H+B	20.3	°C		Pacheco	11/26/2012	
Phosphorus - Total	EPA 365.3	<0.02	mg/L	0.02	Keller	12/4/2012	

Laboratory Report

Report ID: 124853



**Sierra
Environmental
Monitoring, Inc.**

Kappes Cassidy & Assoc.
Attn: Terry Albert
7950 Security Circle
Reno, NV 89506

Date: 12/4/2012
Client: KAP-565
Taken by: J. Defilippi
PO #:

Analysis Report

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received			
S201211-1233	65907	11/26/2012	12:00 PM	11/26/2012			
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Potassium - ICP-OES	EPA 200.7	<0.5	mg/L	0.5	Keller	11/27/2012	
Scandium - ICP-OES	EPA 200.7	<0.05	mg/L	0.05	Keller	11/27/2012	
Selenium - ICP-MS	EPA 200.8	<0.02	mg/L	0.02	Li	11/27/2012	
Silver - ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Sodium - ICP-OES	EPA 200.7	700	mg/L	2	Keller	11/29/2012	C
Strontium - ICP-OES	EPA 200.7	<0.05	mg/L	0.05	Keller	11/27/2012	
Sulfate - Ion Chromatography	EPA 300.0	800	mg/L	0.2	Faulstich	11/26/2012	
Thallium - ICP-MS	EPA 200.8	<0.002	mg/L	0.002	Li	11/27/2012	
Thiocyanate	SM 4500 CN M	<0.5	mg/L	0.5	Kobza	12/4/2012	
Tin - ICP-OES	EPA 200.7	<0.1	mg/L	0.1	Keller	11/27/2012	
Titanium ICP-OES	EPA 200.7	<0.05	mg/L	0.05	Keller	11/27/2012	
Total Dissolved Solids	SM 2540 C	1800	mg/L	10	Pacheco	11/26/2012	
Total Organic Carbon	Subcontract	See Report					
Total Recoverable Metals - Acid Dig	EPA 200.2	Completed			Kleinworth	11/27/2012	
Vanadium -ICP-MS	EPA 200.8	<0.004	mg/L	0.004	Li	11/27/2012	
Zinc - ICP-MS	EPA 200.8	0.05	mg/L	0.04	Li	11/27/2012	

Data Flag Legend:

C - Sample concentration is at least 5 times greater than spike contribution. Spike recovery criteria do not apply.

Laboratory Report

Report ID: 124853



**Sierra
Environmental
Monitoring, Inc.**

Kappes Cassiday & Assoc.
Attn: Terry Albert
7950 Security Circle
Reno, NV 89506

Date: 12/4/2012
Client: KAP-565
Taken by: J. Defilippi
PO #:

Quality Control Report

<i>Parameter</i>	<i>LCS, % Recovery</i>	<i>MS, % Recovery</i>	<i>MSD, % Recovery</i>	<i>RPD, %</i>	<i>Method Blank</i>
Alkalinity, Total	103.0			75.00	
Alkalinity/Bicarbonate				75.00	
Alkalinity/Carbonate				0.00	
Alkalinity/Hydroxide				0.00	
Aluminum - ICP-OES	98.0	99.0	103.0	4.35	<0.05 mg/L
Ammonia-N	104.0	106.0	106.0	0.00	<0.1 mg/L
Antimony - ICP-MS	100.0	109.0	108.0	0.92	<0.002 mg/L
Arsenic - ICP-MS	99.0	114.0	113.0	0.88	<0.002 mg/L
Barium - ICP-MS	101.0	114.0	112.0	1.77	<0.002 mg/L
Beryllium - ICP-MS	99.0	97.0	97.0	0.00	<0.002 mg/L
Bismuth - ICP-OES	101.0	94.0	99.0	4.56	<0.1 mg/L
Boron - ICP-OES	100.0	90.0	114.0	23.53	<0.05 mg/L
Cadmium - ICP-MS	102.0	107.0	105.0	1.89	<0.002 mg/L
Calcium - ICP-OES	100.0	85.0	205.0	82.76	<0.5 mg/L
Chloride - Ion Chromatography	95.0	88.0	89.0	1.13	<0.5 mg/L
Chromium - ICP-MS	99.0	101.0	101.0	0.00	<0.002 mg/L
Cobalt - ICP-MS	98.0	101.0	99.0	2.00	<0.002 mg/L
Copper - ICP-MS	102.0	99.0	98.0	0.91	<0.002 mg/L
Cyanate - Ion Chromatography	100.0	104.0	105.0	0.77	<0.5 mg/L
Fluoride - Ion Chromatography	100.0	98.0	98.0	0.10	<0.1 mg/L
Gallium - ICP-OES	102.0	102.0	105.0	2.51	<0.1 mg/L
Iron - ICP-OES	99.0	101.0	103.0	1.37	<0.05 mg/L
Lanthanum - ICP-OES	99.0	98.0	101.0	2.62	<0.05 mg/L
Lead - ICP-MS	100.0	112.0	110.0	1.80	<0.002 mg/L
Lithium - ICP-OES	102.0	116.0	121.0	4.72	<0.1 mg/L
Magnesium - ICP-OES	102.0	90.0	130.0	36.36	<0.5 mg/L
Manganese - ICP-MS	100.0	102.0	100.0	1.98	<0.002 mg/L
Mercury - AA Cold Vapor	104.0	104.0	103.0	1.74	
Molybdenum - ICP-MS	98.0	115.0	112.0	2.64	<0.002 mg/L
Nickel - ICP-MS	101.0	102.0	100.0	1.98	<0.002 mg/L

Laboratory Report

Report ID: 124853



**Sierra
Environmental
Monitoring, Inc.**

Kappes Cassiday & Assoc.
Attn: Terry Albert
7950 Security Circle
Reno, NV 89506

Date: 12/4/2012
Client: KAP-565
Taken by: J. Defilippi
PO #:

Quality Control Report

<i>Parameter</i>	<i>LCS, % Recovery</i>	<i>MS, % Recovery</i>	<i>MSD, % Recovery</i>	<i>RPD, %</i>	<i>Method Blank</i>
Nitrate-N - Ion Chromatography	97.0	99.0	99.0	0.00	<0.05 mg/L
pH	100.0			1.17	
pH - Temperature				1.64	
Phosphorus - Total	96.0	94.0	95.0	0.53	<0.02 mg/L
Potassium - ICP-OES	101.0	95.0	125.0	27.27	<0.5 mg/L
Scandium - ICP-OES	104.0	107.0	110.0	2.96	<0.05 mg/L
Selenium - ICP-MS	98.0	108.0	107.0	1.30	<0.01 mg/L
Silver - ICP-MS	99.0	100.0	98.0	2.02	<0.002 mg/L
Sodium - ICP-OES	102.0	350.0	750.0	72.73	<0.5 mg/L
Strontium - ICP-OES	102.0	106.0	118.0	10.71	<0.05 mg/L
Sulfate - Ion Chromatography	99.0	104.0	99.0	4.93	<0.2 mg/L
Thallium - ICP-MS	101.0	111.0	109.0	1.82	<0.001 mg/L
Thiocyanate	98.0	87.0	93.0	6.80	
Tin - ICP-OES	100.0	98.0	99.0	1.63	<0.1 mg/L
Titanium ICP-OES	103.0	108.0	109.0	1.29	<0.05 mg/L
Total Dissolved Solids		101.0		2.15	<10 mg/L
Vanadium -ICP-MS	98.0	113.0	112.0	0.89	<0.002 mg/L
Zinc - ICP-MS	97.0	96.0	94.0	1.05	<0.02 mg/L

Legend: *LCS- Laboratory Control Standard*
RPD- Relative Percent Difference

MS- Matrix Spike

MSD- Matrix Spike Duplicate

124853

Sierra Environmental Monitoring, Inc.

1135 Financial Blvd. - Reno - Nevada - 89502

Phone: (775) 857-2400 Fax: (775) 857-2404 Email: sem@sem-analytical.com

Alpha Analytical Sub-Contract Chain of Custody Report

PO #12-0550

Sampled By: J. DeFilippi

Compliance:

Date Sampled	Time Sampled	Sample Type	Sample Identification	Analyses Requested	Remarks	Turn Around Time
11/26/2012	12:00:00 PM	Clean Water	S201211-1233 - 65907	Total Organic Carbon	SEM12112441-01A	5 days

Signature	Print Name	Company	Date	Time
Relinquished By: <i>[Signature]</i>	ACEKABENITEZ	SEM	11-26-12	16:00
Received By: <i>[Signature]</i>	K Murray	AAA	11-26-12	16:00
Relinquished By:				
Received By:				

Alpha Analytical, Inc.

Phone : (775) 355-1044 FAX : (775) 355-0406

Date Report is due to Client : 12/3/2012

Sample Receipt Checklist

Date of Notice : 11/26/2012 4:08:54 PM

Please take note of any NO check marks. If we receive no response concerning these items within 24 hours of the date of this notice, all of the samples will be analyzed as requested.

Client Name: **Sierra Environmental Monitoring**

Project ID :

Project Manager: **John Seher**

Client's EMail: **jseher@sem-analytical.com**

Work Order Number: **SEM12112641**

Client's Phone: **(775) 857-2400**

Client's FAX: **(775) 857-2404**

Date Received: **11/26/2012**

Received by: **Sarah Neri**

Chain of Custody (COC) Information

Carrier name: Client

Chain of custody present ?	Yes ☒	No ☐	
Custody seals intact on shipping container/cooler ?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles ?	Yes ☐	No ☐	Not Present ☒
Chain of custody signed when relinquished and received ?	Yes ☒	No ☐	
Chain of custody agrees with sample labels ?	Yes ☒	No ☐	
Sample ID noted by Client on COC ?	Yes ☒	No ☐	
Date and time of collection noted by Client on COC ?	Yes ☒	No ☐	
Samplers's name noted on COC ?	Yes ☒	No ☐	
Internal Chain of Custody (COC) requested ?	Yes ☐	No ☒	
Sub Contract Lab Used :	None ☒	See Comments ☐	

Sample Receipt Information

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☒	No ☐		
Container/Temp Blank temperature in compliance (0-6°C)?	Yes ☒	No ☐		Cooler Temperature 4°C
Samples arrived in a timely manner?	Yes ☒	No ☐		
Client attempted to be contacted?	Yes ☐	No ☒	If YES : see Comments	
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	N/A ☐	No VOA vials submitted ☒
Sample labels checked for correct preservation?	Yes ☒	No ☐		
TOC Water - pH acceptable upon receipt (H2SO4 pH<2)?	Yes ☒	No ☐	N/A ☐	
Are NV non-SDWA 314 samples field filtered (0.2µ)?	Yes ☐	No ☐	N/A ☒	

Analytical Requirement Information

Are non-Standard or Modified methods requested ?	Yes ☐	No ☒	
Are there client specific Project requirements ?	Yes ☐	No ☒	If YES : see the Chain of Custody (COC)
Is this a Drinking Water regulatory sample ?	Yes ☐	No ☒	

Comments :



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Sierra Environmental Monitoring
1135 Financial Blvd.
Reno, NV 89502

Attn: John Seher
Phone: (775) 857-2400
Fax: (775) 857-2404
Date Received : 11/26/12

Job:

Total Organic Carbon as NonPurgeable Organic Carbon
EPA Method SW9060 / SM5310C

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: S201211-1233-65907 Lab ID: SEM12112641-01A Total Organic Carbon Date Sampled 11/26/12 12:00	ND	1.0 mg/L	11/27/12	11/28/12

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*
Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAP unless footnoted otherwise.
Statement of Data Authenticity: Alpha Analytical, Inc. attests that the data reported has not been altered in any way.
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV00016.

✓
12/03/12
Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:

30-Nov-12

QC Summary Report

Work Order:

12112641

Method Blank

Type: **MBLK** Test Code: **EPA Method SW9060 / SM5310C**

File ID:

Batch ID: **29968**

Analysis Date: **11/27/2012 13:41**

Sample ID: **MBLK-29968**

Units : **mg/L**

Run ID: **TOC_121127A**

Prep Date: **11/27/2012 11:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Total Organic Carbon	ND	1								

Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW9060 / SM5310C**

File ID:

Batch ID: **29968**

Analysis Date: **11/27/2012 14:07**

Sample ID: **LCS-29968**

Units : **mg/L**

Run ID: **TOC_121127A**

Prep Date: **11/27/2012 11:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Total Organic Carbon	4.71	1	5		94	74	126			

Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW9060 / SM5310C**

File ID:

Batch ID: **29968**

Analysis Date: **11/28/2012 15:32**

Sample ID: **12111609-01AMS**

Units : **mg/L**

Run ID: **TOC_121127A**

Prep Date: **11/27/2012 11:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Total Organic Carbon	5.81	1	5	1.596	84	56	137			

Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW9060 / SM5310C**

File ID:

Batch ID: **29968**

Analysis Date: **11/28/2012 15:58**

Sample ID: **12111609-01AMSD**

Units : **mg/L**

Run ID: **TOC_121127A**

Prep Date: **11/27/2012 11:50**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Total Organic Carbon	5.87	1	5	1.596	85	56	137	5.81	1.0(20)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Sierra Environmental Monitoring, Inc.

1135 Financial Blvd. - Reno - Nevada - 89502

Phone: (775) 857-2400 Fax: (775) 857-2404 Email: sem@sem-analytical.com

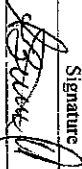
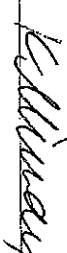
Alpha Analytical Sub-Contract Chain of Custody Report

PO #12-0550

Sampled By: J. DeFilippi

Compliance:

Date Sampled	Time Sampled	Sample Type	Sample Identification	Analyses Requested	Remarks	Turn Around Time
11/26/2012	12:00:00 PM	Clean Water	S201211-1233 - 65907	Total Organic Carbon	SEM1212041-01A	5 days

Signature	Print Name	Company	Date	Time
	JOE DEFILIPPI	SEM	11-26-12	16:00
Received By: 	K. Murray	AA	11-26-12	1600
Relinquished By:				
Received By:				

11/7/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1211083

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 11/6/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1211083

General Comments

None

Specific Comments

None

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates**7950 Security Circle****Reno, NV 89506****Attn:** Terry Albert**Phone:** (775) 972-7575 **Fax:** (775) 972-4567**PO\Project:** Eagle Gold**Date Printed:** 11/7/2012**OrderID:** 1211083**Customer Sample ID:** 63316 5 Nov**Collect Date/Time:** 11/6/2012 09:00**WETLAB Sample ID:** 1211083-001**Receive Date:** 11/6/2012 11:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	12	mg/L	1.2	11/6/2012

Customer Sample ID: 63316 6 Nov**Collect Date/Time:** 11/6/2012 09:00**WETLAB Sample ID:** 1211083-002**Receive Date:** 11/6/2012 11:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	11	mg/L	1.2	11/6/2012

Customer Sample ID: 63322 5 Nov**Collect Date/Time:** 11/6/2012 09:00**WETLAB Sample ID:** 1211083-003**Receive Date:** 11/6/2012 11:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	14	mg/L	1.2	11/6/2012

Customer Sample ID: 63322 6 Nov**Collect Date/Time:** 11/6/2012 09:00**WETLAB Sample ID:** 1211083-004**Receive Date:** 11/6/2012 11:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	15	mg/L	1.2	11/6/2012

Western Environmental Testing Laboratory
QC Report

QCBatchID	QCType	Parameter	Method	Result	Units							
QC12110180	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L							
QC12110180	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L							
QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units					
QC12110180	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.807	1.00	81	mg/L					
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12110180	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1211030-001	0.955	1.86	1.80	1.00	mg/L	90	85	3 %

11/12/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1211173

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 11/9/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1211173

General Comments

None

Specific Comments

None

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates**7950 Security Circle****Reno, NV 89506****Attn:** Terry Albert**Phone:** (775) 972-7575 **Fax:** (775) 972-4567**PO\Project:** Eagle Gold**Date Printed:** 11/12/2012**OrderID:** 1211173**Customer Sample ID:** 63316 7 Nov**Collect Date/Time:** 11/9/2012 09:00**WETLAB Sample ID:** 1211173-001**Receive Date:** 11/9/2012 09:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	5.2	mg/L	1.2	11/9/2012

Customer Sample ID: 63316 8 Nov**Collect Date/Time:** 11/9/2012 09:00**WETLAB Sample ID:** 1211173-002**Receive Date:** 11/9/2012 09:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	5.9	mg/L	1.2	11/9/2012

Customer Sample ID: 63316 9 Nov**Collect Date/Time:** 11/9/2012 09:00**WETLAB Sample ID:** 1211173-003**Receive Date:** 11/9/2012 09:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	5.9	mg/L	1.2	11/9/2012

Customer Sample ID: 63322 7 Nov**Collect Date/Time:** 11/9/2012 09:00**WETLAB Sample ID:** 1211173-004**Receive Date:** 11/9/2012 09:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	1.5	mg/L	1.2	11/9/2012

Customer Sample ID: 63322 8 Nov

Collect Date/Time: 11/9/2012 09:00

WETLAB Sample ID: 1211173-005

Receive Date: 11/9/2012 09:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	<1.2	mg/L	1.2	11/9/2012

Customer Sample ID: 63322 9 Nov

Collect Date/Time: 11/9/2012 09:00

WETLAB Sample ID: 1211173-006

Receive Date: 11/9/2012 09:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	<1.2	mg/L	1.2	11/9/2012

Western Environmental Testing Laboratory QC Report

QCBatchID	QCType	Parameter	Method	Result	Units							
QC12110314	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L							
QC12110314	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L							
QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units					
QC12110314	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	1.11	1.00	111	mg/L					
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12110314	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1211130-002	<0.050	1.12	1.11	1.00	mg/L	112	111	1 %

Specializing in Soil, Hazardous Waste and Water Analysis.

11/28/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1211242

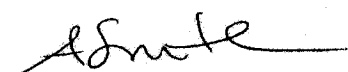
Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 11/14/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,



Andy Smith
QA Manager

Page 1 of 11

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
tel (775) 355-0202
fax (775) 355-0817

ELKO

1084 Lamoille Hwy.
Elko, Nevada 89801
tel (775) 777-9933
fax (775) 777-9933

LAS VEGAS

3230 Polaris Ave., Suite 4
Las Vegas, Nevada 89102
tel (702) 475-8899
fax (702) 776-6152

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassidy and Associates - 1211242

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1211242-001 Mercury

1211242-002 Mercury

The reporting limits have been adjusted accordingly.

Subcontracting Comments

The analysis for WAD Cyanide was performed by Sierra Environmental Monitoring of Reno, NV. Their report is attached.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 11/28/2012

OrderID: 1211242

Customer Sample ID: 63310, 13 Nov 12

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211242-001

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	4.0	mg/L	0.20	11/16/2012
Cyanate	SM 4500 CNL	7.2	mg/L	0.10	11/20/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.94	mg/L	0.050	11/21/2012
pH	SM 4500-H+ B	8.50	pH Units		11/15/2012
Trace Metals Digestion	EPA 200.2	Complete			11/16/2012
Acidity (Titrimetric)	SM 2310B	-82	mg/L as CaCO3		11/16/2012
Bicarbonate (HCO3)	SM 2320B	460	mg/L	1.0	11/15/2012
Carbonate (CO3)	SM 2320B	11	mg/L	1.0	11/15/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/15/2012
Total Alkalinity	SM 2320B	390	mg/L as CaCO3	1.0	11/15/2012
Redox Potential	SM 2580B	260	mV		11/15/2012
Chloride	EPA 300.0	43	mg/L	1.0	11/15/2012
Fluoride	EPA 300.0	2.9	mg/L	1.0	11/15/2012
Sulfate	EPA 300.0	540	mg/L	10	11/15/2012
Nitrate Nitrogen	EPA 300.0	24	mg/L	0.10	11/15/2012
Nitrite Nitrogen	EPA 300.0	52	mg/L	0.25	11/15/2012
Total Kjeldahl Nitrogen	EPA 351.2	22	SC mg/L	10	11/20/2012
Total Nitrogen	Calc.	74	mg/L	1.1	11/20/2012
Total Cyanide	SM 4500CNC	0.62	mg/L	0.050	11/15/2012
Total Dissolved Solids (TDS)	SM 2540C	1800	mg/L	10	11/15/2012
Electrical Conductivity	SM 2510B	2700	µmhos/cm	1	11/20/2012
Aluminum	EPA 200.7	1.3	mg/L	0.045	11/19/2012
Antimony	EPA 200.7	0.91	mg/L	0.030	11/19/2012
Barium	EPA 200.7	0.022	mg/L	0.010	11/19/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/19/2012
Boron	EPA 200.7	0.10	mg/L	0.10	11/19/2012
Calcium	EPA 200.7	7.8	mg/L	0.50	11/19/2012

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 2523

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63310, 13 Nov 12

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211242-001

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.066	mg/L	0.010	11/19/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/19/2012
Iron	EPA 200.7	0.68	mg/L	0.010	11/19/2012
Lithium	EPA 200.7	0.020	mg/L	0.020	11/19/2012
Magnesium	EPA 200.7	0.87	mg/L	0.50	11/19/2012
Manganese	EPA 200.7	0.018	mg/L	0.0050	11/19/2012
Molybdenum	EPA 200.7	0.037	mg/L	0.010	11/19/2012
Phosphorus	EPA 200.7	0.30	mg/L	0.10	11/19/2012
Potassium	EPA 200.7	6.0	mg/L	0.50	11/19/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	11/19/2012
Silicon	EPA 200.7	16	mg/L	0.10	11/19/2012
Sodium	EPA 200.7	620	mg/L	2.5	11/20/2012
Strontium	EPA 200.7	0.18	mg/L	0.10	11/19/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/19/2012
Titanium	EPA 200.7	0.025	mg/L	0.0050	11/19/2012
Vanadium	EPA 200.7	0.019	mg/L	0.010	11/19/2012
Zinc	EPA 200.7	0.026	mg/L	0.010	11/19/2012
Mercury	EPA 200.8	<0.0035	mg/L	0.0035	11/19/2012
Arsenic	EPA 200.8	4.9	mg/L	0.050	11/19/2012
Beryllium	EPA 200.8	0.0004	mg/L	0.0002	11/27/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/27/2012
Chromium	EPA 200.8	0.0014	mg/L	0.0010	11/27/2012
Copper	EPA 200.8	0.26	mg/L	0.0050	11/16/2012
Lead	EPA 200.8	0.13	mg/L	0.025	11/19/2012
Nickel	EPA 200.8	0.0026	mg/L	0.0020	11/27/2012
Selenium	EPA 200.8	0.017	mg/L	0.0050	11/16/2012
Silver	EPA 200.8	0.0005	mg/L	0.0005	11/27/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/16/2012
Uranium	EPA 200.8	0.24	mg/L	0.050	11/19/2012
WAD Cyanide	N/A	See Attached			

Customer Sample ID: 6331, 13 Nov 12

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211242-002

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	12	mg/L	1.0	11/16/2012
Cyanate	SM 4500 CNL	3.3	mg/L	0.10	11/20/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.41	mg/L	0.050	11/21/2012
pH	SM 4500-H+ B	8.56	pH Units		11/15/2012
Trace Metals Digestion	EPA 200.2	Complete			11/16/2012
Acidity (Titrimetric)	SM 2310B	-70	mg/L as CaCO3		11/16/2012
Bicarbonate (HCO3)	SM 2320B	510	mg/L	1.0	11/15/2012
Carbonate (CO3)	SM 2320B	15	mg/L	1.0	11/15/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/15/2012
Total Alkalinity	SM 2320B	440	mg/L as CaCO3	1.0	11/15/2012
Redox Potential	SM 2580B	250	mV		11/15/2012
Chloride	EPA 300.0	55	mg/L	1.0	11/15/2012
Fluoride	EPA 300.0	2.1	mg/L	1.0	11/15/2012
Sulfate	EPA 300.0	570	mg/L	10	11/15/2012
Nitrate Nitrogen	EPA 300.0	29	mg/L	0.10	11/15/2012
Nitrite Nitrogen	EPA 300.0	110	mg/L	0.25	11/15/2012
Total Kjeldahl Nitrogen	EPA 351.2	18	SC mg/L	10	11/20/2012
Total Nitrogen	Calc.	130	mg/L	1.1	11/20/2012
Total Cyanide	SM 4500CNC	2.2	mg/L	0.50	11/15/2012
Total Dissolved Solids (TDS)	SM 2540C	2200	mg/L	10	11/15/2012
Electrical Conductivity	SM 2510B	3500	µmhos/cm	1	11/20/2012
Aluminum	EPA 200.7	0.87	mg/L	0.045	11/19/2012
Antimony	EPA 200.7	0.73	mg/L	0.030	11/19/2012
Barium	EPA 200.7	0.020	mg/L	0.010	11/19/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/19/2012
Boron	EPA 200.7	0.10	mg/L	0.10	11/19/2012
Calcium	EPA 200.7	8.2	mg/L	0.50	11/19/2012
Cobalt	EPA 200.7	0.071	mg/L	0.010	11/19/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/19/2012
Iron	EPA 200.7	0.44	mg/L	0.010	11/19/2012
Lithium	EPA 200.7	<0.020	mg/L	0.020	11/19/2012
Magnesium	EPA 200.7	1.1	mg/L	0.50	11/19/2012
Manganese	EPA 200.7	0.013	mg/L	0.0050	11/19/2012
Molybdenum	EPA 200.7	0.039	mg/L	0.010	11/19/2012
Phosphorus	EPA 200.7	0.34	mg/L	0.10	11/19/2012
Potassium	EPA 200.7	7.8	mg/L	0.50	11/19/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	11/19/2012
Silicon	EPA 200.7	13	mg/L	0.10	11/19/2012

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 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 6331, 13 Nov 12

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211242-002

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	780	mg/L	2.5	11/20/2012
Strontium	EPA 200.7	0.21	mg/L	0.10	11/19/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/19/2012
Titanium	EPA 200.7	0.014	mg/L	0.0050	11/19/2012
Vanadium	EPA 200.7	0.022	mg/L	0.010	11/19/2012
Zinc	EPA 200.7	0.019	mg/L	0.010	11/19/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	11/19/2012
Arsenic	EPA 200.8	4.3	mg/L	0.050	11/19/2012
Beryllium	EPA 200.8	0.0003	mg/L	0.0002	11/27/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/27/2012
Chromium	EPA 200.8	0.0012	mg/L	0.0010	11/27/2012
Copper	EPA 200.8	0.075	mg/L	0.0050	11/16/2012
Lead	EPA 200.8	0.079	mg/L	0.0025	11/16/2012
Nickel	EPA 200.8	<0.0020	mg/L	0.0020	11/27/2012
Selenium	EPA 200.8	0.014	mg/L	0.0050	11/16/2012
Silver	EPA 200.8	<0.0005	mg/L	0.0005	11/27/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/16/2012
Uranium	EPA 200.8	0.19	mg/L	0.050	11/19/2012
WAD Cyanide	N/A	See Attached			

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12110530	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110530	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110543	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12110543	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12110546	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12110546	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12110546	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12110548	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110548	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110548	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110549	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110549	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110549	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110550	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12110550	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12110550	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12110611	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110611	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110612	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12110612	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12110630	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Antimony, Dissolved	EPA 200.7	<0.030	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silicon, Dissolved	EPA 200.7	<0.10	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC12110657	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12110657	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12110657	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12110664	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm

QCBatchID	QCType	Parameter	Method	Result	Units
QC12110665	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110665	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110731	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110731	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110829	Blank 1	Uranium, Dissolved	EPA 200.8	<0.0050	mg/L
		Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Beryllium, Dissolved	EPA 200.8	<0.0010	mg/L
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Chromium, Dissolved	EPA 200.8	<0.0050	mg/L
		Copper, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Nickel, Dissolved	EPA 200.8	<0.010	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Silver, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12110504	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12110504	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC12110510	LCS 1	Total Alkalinity	SM 2320B	96.8	100	97	mg/L
QC12110510	LCS 2	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC12110510	LCS 3	Total Alkalinity	SM 2320B	104	100	104	mg/L
QC12110530	LCS 1	Total Cyanide	SM 4500CNC	0.095	0.100	95	mg/L
QC12110537	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC12110543	LCS 1	Fluoride	EPA 300.0	1.87	2.00	94	mg/L
QC12110546	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC12110548	LCS 1	Nitrite Nitrogen	EPA 300.0	0.525	0.500	105	mg/L
QC12110549	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	2.00	100	mg/L
QC12110550	LCS 1	Sulfate	EPA 300.0	24.7	25.0	99	mg/L
QC12110611	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L
QC12110611	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	152	150	101	mg/L
QC12110630	LCS 1	Aluminum, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Antimony, Dissolved	EPA 200.7	1.08	1.00	108	mg/L
		Barium, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Bismuth, Dissolved	EPA 200.7	1.03	1.00	103	mg/L
		Boron, Dissolved	EPA 200.7	0.976	1.00	98	mg/L
		Calcium, Dissolved	EPA 200.7	10.1	10.0	101	mg/L
		Cobalt, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Gallium, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Iron, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Lithium, Dissolved	EPA 200.7	1.02	1.00	102	mg/L
		Magnesium, Dissolved	EPA 200.7	10.0	10.0	100	mg/L
		Manganese, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Molybdenum, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Phosphorus, Dissolved	EPA 200.7	5.16	5.00	103	mg/L
		Potassium, Dissolved	EPA 200.7	10.2	10.0	102	mg/L
		Scandium, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Silicon, Dissolved	EPA 200.7	9.44	10.0	94	mg/L
		Sodium, Dissolved	EPA 200.7	10.7	10.0	107	mg/L
		Strontium, Dissolved	EPA 200.7	1.02	1.00	102	mg/L
		Tin, Dissolved	EPA 200.7	0.996	1.00	100	mg/L
		Titanium, Dissolved	EPA 200.7	0.997	1.00	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12110657	LCS 1	Vanadium, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Zinc, Dissolved	EPA 200.7	1.04	1.00	104	mg/L
		Total Kjeldahl Nitrogen	EPA 351.2	0.736	0.690	107	mg/L
		Electrical Conductivity	SM 2510B	1435	1412	102	µmhos/cm
		Cyanate	SM 4500 CNL	1.03	1.00	103	mg/L
		Ammonia, as Nitrogen	SM 4500 NH3 D	0.809	1.00	81	mg/L
		Uranium, Dissolved	EPA 200.8	0.0093	0.010	93	mg/L
		Mercury, Dissolved	EPA 200.8	0.000933	0.001	93	mg/L
		Arsenic, Dissolved	EPA 200.8	0.0504	0.050	101	mg/L
		Beryllium, Dissolved	EPA 200.8	0.0098	0.010	98	mg/L
		Cadmium, Dissolved	EPA 200.8	0.0100	0.010	100	mg/L
		Chromium, Dissolved	EPA 200.8	0.0095	0.010	95	mg/L
		Copper, Dissolved	EPA 200.8	0.0095	0.010	94	mg/L
		Lead, Dissolved	EPA 200.8	0.0096	0.010	96	mg/L
		Nickel, Dissolved	EPA 200.8	<0.0100	0.010	100	mg/L
		Selenium, Dissolved	EPA 200.8	0.0457	0.050	91	mg/L
		Silver, Dissolved	EPA 200.8	0.0097	0.010	97	mg/L
		Thallium, Dissolved	EPA 200.8	0.0095	0.010	95	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12110504	Duplicate	pH	SM 4500-H+ B	1211238-001	7.96	7.96	pH Units	<1%
QC12110504	Duplicate	pH	SM 4500-H+ B	1211240-007	7.58	7.64	pH Units	1 %
QC12110504	Duplicate	pH	SM 4500-H+ B	1211252-002	7.26	7.06	pH Units	3 %
QC12110504	Duplicate	pH	SM 4500-H+ B	1211254-002	2.32	2.31	pH Units	<1%
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211238-001	230	229	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1211238-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211238-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211238-001	188	188	mg/L as CaCO3	<1%
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211240-007	140	138	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1211240-007	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211240-007	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211240-007	114	113	mg/L as CaCO3	1 %
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211252-002	84.4	62.5	mg/L	30 %
		Carbonate (CO3)	SM 2320B	1211252-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211252-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211252-002	69.2	51.2	mg/L as CaCO3	30 %
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211261-001	57.2	51.3	mg/L	11 %
		Carbonate (CO3)	SM 2320B	1211261-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211261-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211261-001	46.9	42.1	mg/L as CaCO3	11 %
QC12110537	Duplicate	Redox Potential	SM 2580B	1211241-001	92.8	91.1	mV	2 %
QC12110540	Duplicate	Acidity (Titrimetric)	SM 2310B	1211241-001	<0.000	<0.000	mg/L as CaCO3	<1%
QC12110540	Duplicate	Acidity (Titrimetric)	SM 2310B	1211125-005	14.0	14.0	mg/L as CaCO3	<1%
QC12110611	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211208-001	199	199	mg/L	<1%
QC12110611	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211240-001	334	344	mg/L	3 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12110611	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211242-002	2240	2268	mg/L	1 %
QC12110664	Duplicate	Electrical Conductivity	SM 2510B	1211153-001	1221	1223	µmhos/cm	<1%
QC12110664	Duplicate	Electrical Conductivity	SM 2510B	1211243-002	4500	4420	µmhos/cm	2 %
QC12110665	Duplicate	Cyanate	SM 4500 CNL	1211243-002	27.6	26.8	mg/L	3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12110530	MS 1	Total Cyanide	SM 4500CNC	1211243-001	0.600	5.52	5.59	0.100	mg/L	98	100	1 %
QC12110543	MS 1	Fluoride	EPA 300.0	1211252-001	0.684	2.30	2.27	2.00	mg/L	81	79	1 %
QC12110546	MS 1	Chloride	EPA 300.0	1211252-001	<1.000	5.24	5.23	5.00	mg/L	103	103	<1%
QC12110546	MS 2	Chloride	EPA 300.0	1211252-005	<1.000	5.24	5.24	5.00	mg/L	102	102	<1%
QC12110548	MS 1	Nitrite Nitrogen	EPA 300.0	1211252-001	<0.025	0.480	0.506	0.500	mg/L	93	98	5 %
QC12110548	MS 2	Nitrite Nitrogen	EPA 300.0	1211252-005	<0.025	0.513	0.504	0.500	mg/L	100	98	2 %
QC12110549	MS 1	Nitrate Nitrogen	EPA 300.0	1211252-001	<1.000	2.09	2.08	2.00	mg/L	103	102	<1%
QC12110549	MS 2	Nitrate Nitrogen	EPA 300.0	1211252-005	<1.000	2.09	2.08	2.00	mg/L	103	102	<1%
QC12110550	MS 1	Sulfate	EPA 300.0	1211252-001	44.6	53.0	52.9	10.0	mg/L	84	83	<1%
QC12110550	MS 2	Sulfate	EPA 300.0	1211252-005	43.8	52.2	52.2	10.0	mg/L	84	83	<1%
QC12110612	MS 1	Thiocyanate	SM 4500 CN	1211242-001	4.01	4.95	4.93	0.500	mg/L	187	184	<1%
QC12110630	MS 1	Aluminum, Dissolved	EPA 200.7	1211269-001	<0.045	1.02	1.02	1.00	mg/L	101	101	<1%
		Antimony, Dissolved	EPA 200.7	1211269-001	<0.030	1.08	1.08	1.00	mg/L	108	108	<1%
		Barium, Dissolved	EPA 200.7	1211269-001	0.140	1.11	1.11	1.00	mg/L	97	97	<1%
		Bismuth, Dissolved	EPA 200.7	1211269-001	<0.100	0.970	0.969	1.00	mg/L	99	99	<1%
		Boron, Dissolved	EPA 200.7	1211269-001	0.772	1.77	1.78	1.00	mg/L	100	101	1 %
		Calcium, Dissolved	EPA 200.7	1211269-001	98.5	108	109	10.0	mg/L	95	105	1 %
		Cobalt, Dissolved	EPA 200.7	1211269-001	<0.010	0.936	0.939	1.00	mg/L	93	94	<1%
		Gallium, Dissolved	EPA 200.7	1211269-001	<0.100	1.02	1.02	1.00	mg/L	101	101	<1%
		Iron, Dissolved	EPA 200.7	1211269-001	0.288	1.28	1.28	1.00	mg/L	99	99	<1%
		Lithium, Dissolved	EPA 200.7	1211269-001	0.302	1.26	1.26	1.00	mg/L	96	96	<1%
		Magnesium, Dissolved	EPA 200.7	1211269-001	25.4	34.1	34.1	10.0	mg/L	87	87	<1%
		Manganese, Dissolved	EPA 200.7	1211269-001	<0.005	0.949	0.952	1.00	mg/L	96	97	<1%
		Molybdenum, Dissolved	EPA 200.7	1211269-001	<0.010	1.01	1.01	1.00	mg/L	101	101	<1%
		Phosphorus, Dissolved	EPA 200.7	1211269-001	<0.500	5.32	5.31	5.00	mg/L	106	106	<1%
		Potassium, Dissolved	EPA 200.7	1211269-001	21.2	31.2	31.4	10.0	mg/L	100	102	1 %
		Scandium, Dissolved	EPA 200.7	1211269-001	<0.100	1.00	1.00	1.00	mg/L	100	100	<1%
		Silicon, Dissolved	EPA 200.7	1211269-001	18.4	27.6	27.6	10.0	mg/L	92	92	<1%
		Sodium, Dissolved	EPA 200.7	1211269-001	71.5	81.1	81.8	10.0	mg/L	96	103	1 %
		Strontium, Dissolved	EPA 200.7	1211269-001	0.700	1.69	1.70	1.00	mg/L	99	100	1 %
		Tin, Dissolved	EPA 200.7	1211269-001	<0.100	0.961	0.958	1.00	mg/L	100	99	<1%
		Titanium, Dissolved	EPA 200.7	1211269-001	<0.100	1.00	1.01	1.00	mg/L	100	101	1 %
		Vanadium, Dissolved	EPA 200.7	1211269-001	0.020	1.03	1.03	1.00	mg/L	101	101	<1%
		Zinc, Dissolved	EPA 200.7	1211269-001	<0.010	0.977	0.972	1.00	mg/L	98	97	1 %
QC12110657	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1211242-002	18.5	SC 80.0	79.5	0.690	mg/L	NC	NC	NC
QC12110657	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1211269-006	0.809	M 0.887	0.854	0.690	mg/L	NC	NC	NC
QC12110731	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1211358-002	0.230	1.07	0.915	1.00	mg/L	84	69	16 %
QC12110829	MS 1	Uranium, Dissolved	EPA 200.8	1211269-001	<0.0050	0.0099	0.0099	0.010	mg/L	99	99	<1%
		Mercury, Dissolved	EPA 200.8	1211269-001	<0.00011	0.000907	0.000888	0.001	mg/L	82	80	2 %
		Arsenic, Dissolved	EPA 200.8	1211269-001	0.1942	0.2422	0.2428	0.050	mg/L	96	97	<1%
		Beryllium, Dissolved	EPA 200.8	1211269-001	<0.0050	0.0114	0.0116	0.010	mg/L	100	102	2 %
		Cadmium, Dissolved	EPA 200.8	1211269-001	<0.0010	0.0089	0.0089	0.010	mg/L	89	89	<1%
		Chromium, Dissolved	EPA 200.8	1211269-001	<0.0250	<0.0250	<0.0250	0.010	mg/L	95	98	#Erro
		Copper, Dissolved	EPA 200.8	1211269-001	<0.0250	<0.0250	<0.0250	0.010	mg/L	79	85	#Erro

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Lead, Dissolved	EPA 200.8	1211269-001	<0.0025	0.0092	0.0093	0.010	mg/L	90	92	1 %
		Nickel, Dissolved	EPA 200.8	1211269-001	<0.0500	<0.0500	<0.0500	0.010	mg/L	95	93	#Erro
		Selenium, Dissolved	EPA 200.8	1211269-001	<0.0250	0.0423	0.0432	0.050	mg/L	79	81	2 %
		Silver, Dissolved	EPA 200.8	1211269-001	<0.0050	0.0091	0.0090	0.010	mg/L	88	88	1 %
		Thallium, Dissolved	EPA 200.8	1211269-001	<0.0010	0.0092	0.0091	0.010	mg/L	92	92	1 %

Laboratory Report

Report ID: 124762



**Sierra
Environmental
Monitoring, Inc.**

WET-Western Environmental Testing Laboratory
Attn: Scott Thompson
475 East Greg Street., Suite 119
Sparks, NV 89431

Date: 11/21/2012
Client: WET-142
Taken by: Client
PO #: 1211242

Dear Scott Thompson,

It is the policy of Sierra Environmental Monitoring, Inc to strictly adhere to a comprehensive Quality Assurance Plan that insures the data presented in this report are both accurate and precise. Sierra Environmental Monitoring, Inc. maintains accreditation in the State of Nevada (NV-15 and NV-921) and the State of California (ELAP 2526).

The data presented in this report were obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with appropriate explanation in the Analysis Report section of this Laboratory Report.

General Comments:

- There are no general comments for this report.

Individual Sample Comments:

- There are no specific comments that are associated with these samples.

Approved By:

Date:

11/21/2012

Sierra Environmental Monitoring, Inc.

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.

Laboratory Report

Report ID: 124762



**Sierra
Environmental
Monitoring, Inc.**

WET-Western Environmental Testing Laboratory
Attn: Scott Thompson
475 East Greg Street., Suite 119
Sparks, NV 89431

Date: 11/21/2012
Client: WET-142
Taken by: Client
PO #: 1211242

Analysis Report

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received			
S201211-1042	63310, 13 Nov 12	11/14/2012	9:00 AM	11/19/2012			
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Cyanide, WAD	SM 4500 CN I	0.024	mg/L	0.005	Kobza	11/20/2012	

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received			
S201211-1043	63313, 13 Nov 12	11/14/2012	9:00 AM	11/19/2012			
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Cyanide, WAD	SM 4500 CN I	0.059	mg/L	0.005	Kobza	11/20/2012	

Data Flag Legend:

Laboratory Report
Report ID: 124762



**Sierra
Environmental
Monitoring, Inc.**

WET-Western Environmental Testing Laboratory
Attn: Scott Thompson
475 East Greg Street., Suite 119
Sparks, NV 89431

Date: 11/21/2012
Client: WET-142
Taken by: Client
PO #: 1211242

Quality Control Report

<i>Parameter</i>	<i>LCS, % Recovery</i>	<i>MS, % Recovery</i>	<i>MSD, % Recovery</i>	<i>RPD, %</i>	<i>Method Blank</i>
Cyanide, WAD	81.0	94.0			<0.005 mg/L
Legend: LCS- Laboratory Control Standard MS- Matrix Spike MSD- Matrix Spike Duplicate RPD- Relative Percent Difference					



CHAIN OF CUSTODY RECORD

RUSH
24 48 72 45
Due 11/24/12
1247462

SEM

Western Environmental Testing Laboratory 475 E. Greg Street #119 Sparks, NV 89431 Scott Thompson PH: (775) 355-0202 scott@wetlab.com Fax: (775) 355-0817				Total # of sample containers 2		System		Samplers Initials		All Samples Refrigerated?: Y ☒ N ☐ Compliance: Y ☒ N ☐ CA Write On: Y ☒ N ☐ QC: Y ☒ N ☐ Water System #:									
Sample Receipt Condition:				Job ID 1211242		Notes: Puerto Rush - NEG 84 11/21/12													
Temperature:				SIGNATURE OF COMPANY REPRESENTATIVE: _____ Date: _____ Time: _____															
Set Date	Sample ID - Site ID	Matrix	Parameter	Container Type	Preservatives														
11/14/2012	83310, 13 Nov 12 -	Waste Water	WAD Cyanide																
9:00 AM			SM4580C01																
11/14/2012		83310, 13 Nov 12 -		Waste Water		WAD Cyanide		SM4580C01											
9:00 AM																			
Relinquished by: _____ Date: 11/19/12 Time: 0330						Received by: _____ Date: 11-19 Time: 1645						Trip Blank		Grab		Composite		Equipment Blank	
Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____						Trip Blank		Grab		Composite		Equipment Blank	
Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____						Trip Blank		Grab		Composite		Equipment Blank	



WETLAB

WESTERN ENVIRONMENTAL
TESTING LABORATORY

Specializing in Soil, Hazardous Waste and Water Analysis.

475 E. Greg Street #119 | Sparks, Nevada 89431

tel (775) 355-0202 | fax (775) 355-0817

1084 Lamoille Hwy | Elko, Nevada 89801

tel (775) 777-9933 | fax (775) 777-9933 | www.WETLaboratory.com

Lab Number 1211242

Report

Due Date 11/21/12

Page 1 of 1

Client KCA

Address

City, State & Zip

Contact

Phone

Collector's Name Jim DeFilippo

Fax

PWS/Project Name Eagle Gold

P.O. Number

PWS/Project Number

Email

Billing Address (if different than Client Address)

Company

Address

City, State & Zip

Contact

Phone

Fax

Email

NO. OF
SAMP
CONT
AINERS
TYPE

Analysis Requested

See attached
conductivity
Redox

Spl.
No.

SAMPLE LOCATION

DATE

TIME

63310, 13 Nov 12

"Raw"

11/13/12 0900

"NaOH"

1 X X X

1 X X X

6331, 13 Nov 12

"Raw"

"NaOH"

1 X X X

1 X X X

2
2

Instructions/Comments/Special Requirements:

PER ATTACHED SHEET, Sb by 200.7

11211-03
2242 2

Sample Matrix/
Type Key

DW = Drinking Water WW = Wastewater SW = Surface Water MW = Monitoring Well SD = Solid/Sludge SO = Soil HW = Hazardous Waste OTHER:

SAMPLE RECEIPT

DATE

TIME

Samples Relinquished By

Samples Received By

Temperature 22.3 °C

11/14/12 0900

Custody Seals Intact? Y N None

11/14/12 10:40

Number of Containers

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

Client/Collector attests to the validity and authenticity of this (these) sample(s) and, is (are) aware that tampering with or intentionally mislabeling the sample(s) location, date or time of collection may be considered fraud and subject to legal action (NAC445.0636).

To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compensation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

Specializing in Soil, Hazardous Waste and Water Analysis.

11/28/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1211243

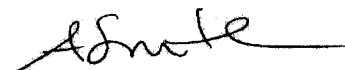
Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 11/14/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,



Andy Smith
QA Manager

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
tel (775) 355-0202
fax (775) 355-0817

ELKO

1084 Lamoille Hwy.
Elko, Nevada 89801
tel (775) 777-9933
fax (775) 777-9933

LAS VEGAS

3230 Polaris Ave., Suite 4
Las Vegas, Nevada 89102
tel (702) 475-8899
fax (702) 776-6152

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1211243

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1211243-001 Beryllium, Mercury

1211243-002 Beryllium, Mercury

The reporting limits have been adjusted accordingly.

Subcontracting Comments

The analysis for WAD Cyanide was performed by Sierra Environmental Monitoring of Reno, NV. Their report is attached.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 11/28/2012

OrderID: 1211243

Customer Sample ID: 63316, Final Rinse

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211243-001

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	18	mg/L	1.0	11/16/2012
Cyanate	SM 4500 CNL	2.5	mg/L	0.10	11/20/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	13	mg/L	1.2	11/26/2012
pH	SM 4500-H+ B	8.68	pH Units		11/15/2012
Trace Metals Digestion	EPA 200.2	Complete			11/16/2012
Acidity (Titrimetric)	SM 2310B	-158	mg/L as CaCO3		11/16/2012
Bicarbonate (HCO3)	SM 2320B	680	mg/L	1.0	11/15/2012
Carbonate (CO3)	SM 2320B	36	mg/L	1.0	11/15/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/15/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO3	1.0	11/15/2012
Redox Potential	SM 2580B	300	mV		11/15/2012
Chloride	EPA 300.0	79	mg/L	1.0	11/15/2012
Fluoride	EPA 300.0	2.2	mg/L	1.0	11/15/2012
Sulfate	EPA 300.0	1000	mg/L	10	11/15/2012
Nitrate Nitrogen	EPA 300.0	58	mg/L	0.10	11/15/2012
Nitrite Nitrogen	EPA 300.0	1.8	mg/L	0.25	11/15/2012
Total Kjeldahl Nitrogen	EPA 351.2	30	mg/L	10	11/20/2012
Total Nitrogen	Calc.	31	mg/L	1.1	11/20/2012
Total Cyanide	SM 4500CNC	0.60	mg/L	0.50	11/15/2012
Total Dissolved Solids (TDS)	SM 2540C	2800	mg/L	10	11/15/2012
Electrical Conductivity	SM 2510B	4200	µmhos/cm	1	11/20/2012
Aluminum	EPA 200.7	1.7	mg/L	0.045	11/19/2012
Antimony	EPA 200.7	0.99	mg/L	0.030	11/19/2012
Barium	EPA 200.7	0.040	mg/L	0.010	11/19/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/19/2012
Boron	EPA 200.7	0.11	mg/L	0.10	11/19/2012
Calcium	EPA 200.7	24	mg/L	0.50	11/19/2012

Page 3 of 11

475 East Greg Street Suite #119
Sparks, NV 89431 (775) 355-0202
EPA Lab ID: NV00925 - ELAP No: 2523

1084 Lamoille Hwy
Elko, NV 89801 (775) 777-9933
EPA Lab ID: NV00926

3230 Polaris Ave #4
Las Vegas, NV 89102 (702) 475-8899
EPA Lab ID: NV00932

Customer Sample ID: 63316, Final Rinse

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211243-001

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.095	mg/L	0.010	11/19/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/19/2012
Iron	EPA 200.7	0.92	mg/L	0.010	11/19/2012
Lithium	EPA 200.7	0.023	mg/L	0.020	11/19/2012
Magnesium	EPA 200.7	1.2	mg/L	0.50	11/19/2012
Manganese	EPA 200.7	0.028	mg/L	0.0050	11/19/2012
Molybdenum	EPA 200.7	0.068	mg/L	0.010	11/19/2012
Phosphorus	EPA 200.7	0.57	mg/L	0.10	11/19/2012
Potassium	EPA 200.7	12	mg/L	0.50	11/19/2012
Scandium	EPA 200.7	0.00	mg/L	0.0010	11/19/2012
Silicon	EPA 200.7	17	mg/L	0.10	11/19/2012
Sodium	EPA 200.7	1000	mg/L	5.0	11/20/2012
Strontium	EPA 200.7	0.43	mg/L	0.10	11/19/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/19/2012
Titanium	EPA 200.7	0.039	mg/L	0.0050	11/19/2012
Vanadium	EPA 200.7	0.034	mg/L	0.010	11/19/2012
Zinc	EPA 200.7	0.087	mg/L	0.010	11/19/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	11/19/2012
Arsenic	EPA 200.8	7.3	mg/L	0.050	11/19/2012
Beryllium	EPA 200.8	<0.0004	mg/L	0.0004	11/27/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/27/2012
Chromium	EPA 200.8	0.0026	mg/L	0.0010	11/27/2012
Copper	EPA 200.8	23	mg/L	0.50	11/28/2012
Lead	EPA 200.8	0.18	mg/L	0.025	11/19/2012
Nickel	EPA 200.8	0.0036	mg/L	0.0020	11/27/2012
Selenium	EPA 200.8	0.019	mg/L	0.0050	11/16/2012
Silver	EPA 200.8	0.0008	mg/L	0.0005	11/27/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/16/2012
Uranium	EPA 200.8	0.24	mg/L	0.050	11/19/2012
WAD Cyanide	N/A	See Attached			

Customer Sample ID: 63322, Final Rinse

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211243-002

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	9.0	mg/L	1.0	11/16/2012
Cyanate	SM 4500 CNL	28	mg/L	0.10	11/20/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	13	mg/L	1.2	11/26/2012
pH	SM 4500-H+ B	8.77	pH Units		11/15/2012
Trace Metals Digestion	EPA 200.2	Complete			11/16/2012
Acidity (Titrimetric)	SM 2310B	-179	mg/L as CaCO3		11/16/2012
Bicarbonate (HCO3)	SM 2320B	740	mg/L	1.0	11/15/2012
Carbonate (CO3)	SM 2320B	50	mg/L	1.0	11/15/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/15/2012
Total Alkalinity	SM 2320B	690	mg/L as CaCO3	1.0	11/15/2012
Redox Potential	SM 2580B	250	mV		11/15/2012
Chloride	EPA 300.0	160	mg/L	1.0	11/15/2012
Fluoride	EPA 300.0	1.5	mg/L	1.0	11/15/2012
Sulfate	EPA 300.0	1000	mg/L	10	11/15/2012
Nitrate Nitrogen	EPA 300.0	33	mg/L	0.10	11/15/2012
Nitrite Nitrogen	EPA 300.0	1.8	mg/L	0.25	11/15/2012
Total Kjeldahl Nitrogen	EPA 351.2	29	mg/L	10	11/20/2012
Total Nitrogen	Calc.	31	mg/L	1.1	11/20/2012
Total Cyanide	SM 4500CNC	0.34	mg/L	0.050	11/15/2012
Total Dissolved Solids (TDS)	SM 2540C	2900	mg/L	10	11/15/2012
Electrical Conductivity	SM 2510B	4500	µmhos/cm	1	11/20/2012
Aluminum	EPA 200.7	0.94	mg/L	0.045	11/19/2012
Antimony	EPA 200.7	0.47	mg/L	0.030	11/19/2012
Barium	EPA 200.7	0.035	mg/L	0.010	11/19/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/19/2012
Boron	EPA 200.7	0.20	mg/L	0.10	11/19/2012
Calcium	EPA 200.7	31	mg/L	0.50	11/19/2012
Cobalt	EPA 200.7	0.043	mg/L	0.010	11/19/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/19/2012
Iron	EPA 200.7	0.78	mg/L	0.010	11/19/2012
Lithium	EPA 200.7	0.19	mg/L	0.020	11/19/2012
Magnesium	EPA 200.7	3.6	mg/L	0.50	11/19/2012
Manganese	EPA 200.7	0.030	mg/L	0.0050	11/19/2012
Molybdenum	EPA 200.7	0.024	mg/L	0.010	11/19/2012
Phosphorus	EPA 200.7	0.32	mg/L	0.10	11/19/2012
Potassium	EPA 200.7	12	mg/L	0.50	11/19/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	11/19/2012
Silicon	EPA 200.7	16	mg/L	0.10	11/19/2012

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 2523

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63322, Final Rinse

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211243-002

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	1000	mg/L	5.0	11/20/2012
Strontium	EPA 200.7	0.57	mg/L	0.10	11/19/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/19/2012
Titanium	EPA 200.7	0.021	mg/L	0.0050	11/19/2012
Vanadium	EPA 200.7	0.021	mg/L	0.010	11/19/2012
Zinc	EPA 200.7	0.075	mg/L	0.010	11/19/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	11/19/2012
Arsenic	EPA 200.8	3.3	mg/L	0.050	11/19/2012
Beryllium	EPA 200.8	<0.0004	mg/L	0.0004	11/27/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/27/2012
Chromium	EPA 200.8	0.0030	mg/L	0.0010	11/27/2012
Copper	EPA 200.8	1.3	mg/L	0.050	11/19/2012
Lead	EPA 200.8	0.090	mg/L	0.0025	11/16/2012
Nickel	EPA 200.8	0.0086	mg/L	0.0020	11/27/2012
Selenium	EPA 200.8	0.010	mg/L	0.0050	11/16/2012
Silver	EPA 200.8	0.0027	mg/L	0.0005	11/27/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/16/2012
Uranium	EPA 200.8	0.17	mg/L	0.050	11/19/2012
WAD Cyanide	N/A	See Attached			

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12110530	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110530	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110543	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12110543	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12110546	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12110546	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12110546	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12110548	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110548	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110548	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110549	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110549	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110549	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110550	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12110550	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12110550	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12110611	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110611	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110612	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12110612	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12110630	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Antimony, Dissolved	EPA 200.7	<0.030	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silicon, Dissolved	EPA 200.7	<0.10	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC12110657	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12110657	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12110657	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12110664	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm

QCBatchID	QCType	Parameter	Method	Result	Units
QC12110665	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110665	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110793	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110793	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110793	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110829	Blank 1	Uranium, Dissolved	EPA 200.8	<0.0050	mg/L
		Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Beryllium, Dissolved	EPA 200.8	<0.0010	mg/L
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Chromium, Dissolved	EPA 200.8	<0.0050	mg/L
		Copper, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Nickel, Dissolved	EPA 200.8	<0.010	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Silver, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12110504	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12110504	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC12110510	LCS 1	Total Alkalinity	SM 2320B	96.8	100	97	mg/L
QC12110510	LCS 2	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC12110510	LCS 3	Total Alkalinity	SM 2320B	104	100	104	mg/L
QC12110530	LCS 1	Total Cyanide	SM 4500CNC	0.095	0.100	95	mg/L
QC12110537	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC12110543	LCS 1	Fluoride	EPA 300.0	1.87	2.00	94	mg/L
QC12110546	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC12110548	LCS 1	Nitrite Nitrogen	EPA 300.0	0.525	0.500	105	mg/L
QC12110549	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	2.00	100	mg/L
QC12110550	LCS 1	Sulfate	EPA 300.0	24.7	25.0	99	mg/L
QC12110611	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L
QC12110611	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	152	150	101	mg/L
QC12110630	LCS 1	Aluminum, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Antimony, Dissolved	EPA 200.7	1.08	1.00	108	mg/L
		Barium, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Bismuth, Dissolved	EPA 200.7	1.03	1.00	103	mg/L
		Boron, Dissolved	EPA 200.7	0.976	1.00	98	mg/L
		Calcium, Dissolved	EPA 200.7	10.1	10.0	101	mg/L
		Cobalt, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Gallium, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Iron, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Lithium, Dissolved	EPA 200.7	1.02	1.00	102	mg/L
		Magnesium, Dissolved	EPA 200.7	10.0	10.0	100	mg/L
		Manganese, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Molybdenum, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Phosphorus, Dissolved	EPA 200.7	5.16	5.00	103	mg/L
		Potassium, Dissolved	EPA 200.7	10.2	10.0	102	mg/L
		Scandium, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Silicon, Dissolved	EPA 200.7	9.44	10.0	94	mg/L
		Sodium, Dissolved	EPA 200.7	10.7	10.0	107	mg/L
		Strontium, Dissolved	EPA 200.7	1.02	1.00	102	mg/L
		Tin, Dissolved	EPA 200.7	0.996	1.00	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12110657	LCS 1	Titanium, Dissolved	EPA 200.7	0.997	1.00	100	mg/L
		Vanadium, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Zinc, Dissolved	EPA 200.7	1.04	1.00	104	mg/L
		Total Kjeldahl Nitrogen	EPA 351.2	0.736	0.690	107	mg/L
		Electrical Conductivity	SM 2510B	1435	1412	102	µmhos/cm
		Cyanate	SM 4500 CNL	1.03	1.00	103	mg/L
		Ammonia, as Nitrogen	SM 4500 NH3 D	0.853	1.00	85	mg/L
		Uranium, Dissolved	EPA 200.8	0.0093	0.010	93	mg/L
		Mercury, Dissolved	EPA 200.8	0.000933	0.001	93	mg/L
		Arsenic, Dissolved	EPA 200.8	0.0504	0.050	101	mg/L
		Beryllium, Dissolved	EPA 200.8	0.0098	0.010	98	mg/L
		Cadmium, Dissolved	EPA 200.8	0.0100	0.010	100	mg/L
		Chromium, Dissolved	EPA 200.8	0.0095	0.010	95	mg/L
		Copper, Dissolved	EPA 200.8	0.0095	0.010	94	mg/L
		Lead, Dissolved	EPA 200.8	0.0096	0.010	96	mg/L
		Nickel, Dissolved	EPA 200.8	<0.0100	0.010	100	mg/L
		Selenium, Dissolved	EPA 200.8	0.0457	0.050	91	mg/L
		Silver, Dissolved	EPA 200.8	0.0097	0.010	97	mg/L
		Thallium, Dissolved	EPA 200.8	0.0095	0.010	95	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12110504	Duplicate	pH	SM 4500-H+ B	1211238-001	7.96	7.96	pH Units	<1%
QC12110504	Duplicate	pH	SM 4500-H+ B	1211240-007	7.58	7.64	pH Units	1 %
QC12110504	Duplicate	pH	SM 4500-H+ B	1211252-002	7.26	7.06	pH Units	3 %
QC12110504	Duplicate	pH	SM 4500-H+ B	1211254-002	2.32	2.31	pH Units	<1%
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211238-001	230	229	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1211238-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211238-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211238-001	188	188	mg/L as CaCO3	<1%
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211240-007	140	138	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1211240-007	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211240-007	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211240-007	114	113	mg/L as CaCO3	1 %
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211252-002	84.4	62.5	mg/L	30 %
		Carbonate (CO3)	SM 2320B	1211252-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211252-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211252-002	69.2	51.2	mg/L as CaCO3	30 %
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211261-001	57.2	51.3	mg/L	11 %
		Carbonate (CO3)	SM 2320B	1211261-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211261-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211261-001	46.9	42.1	mg/L as CaCO3	11 %
QC12110537	Duplicate	Redox Potential	SM 2580B	1211241-001	92.8	91.1	mV	2 %
QC12110540	Duplicate	Acidity (Titrimetric)	SM 2310B	1211241-001	<0.000	<0.000	mg/L as CaCO3	<1%
QC12110540	Duplicate	Acidity (Titrimetric)	SM 2310B	1211125-005	14.0	14.0	mg/L as CaCO3	<1%
QC12110611	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211208-001	199	199	mg/L	<1%
QC12110611	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211240-001	334	344	mg/L	3 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12110611	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211242-002	2240	2268	mg/L	1 %
QC12110664	Duplicate	Electrical Conductivity	SM 2510B	1211153-001	1221	1223	µmhos/cm	<1%
QC12110664	Duplicate	Electrical Conductivity	SM 2510B	1211243-002	4500	4420	µmhos/cm	2 %
QC12110665	Duplicate	Cyanate	SM 4500 CNL	1211243-002	27.6	26.8	mg/L	3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12110530	MS 1	Total Cyanide	SM 4500CNC	1211243-001	0.600	5.52	5.59	0.100	mg/L	98	100	1 %
QC12110543	MS 1	Fluoride	EPA 300.0	1211252-001	0.684	2.30	2.27	2.00	mg/L	81	79	1 %
QC12110546	MS 1	Chloride	EPA 300.0	1211252-001	<1.000	5.24	5.23	5.00	mg/L	103	103	<1%
QC12110546	MS 2	Chloride	EPA 300.0	1211252-005	<1.000	5.24	5.24	5.00	mg/L	102	102	<1%
QC12110548	MS 1	Nitrite Nitrogen	EPA 300.0	1211252-001	<0.025	0.480	0.506	0.500	mg/L	93	98	5 %
QC12110548	MS 2	Nitrite Nitrogen	EPA 300.0	1211252-005	<0.025	0.513	0.504	0.500	mg/L	100	98	2 %
QC12110549	MS 1	Nitrate Nitrogen	EPA 300.0	1211252-001	<1.000	2.09	2.08	2.00	mg/L	103	102	<1%
QC12110549	MS 2	Nitrate Nitrogen	EPA 300.0	1211252-005	<1.000	2.09	2.08	2.00	mg/L	103	102	<1%
QC12110550	MS 1	Sulfate	EPA 300.0	1211252-001	44.6	53.0	52.9	10.0	mg/L	84	83	<1%
QC12110550	MS 2	Sulfate	EPA 300.0	1211252-005	43.8	52.2	52.2	10.0	mg/L	84	83	<1%
QC12110612	MS 1	Thiocyanate	SM 4500 CN	1211242-001	4.01	4.95	4.93	0.500	mg/L	187	184	<1%
QC12110630	MS 1	Aluminum, Dissolved	EPA 200.7	1211269-001	<0.045	1.02	1.02	1.00	mg/L	101	101	<1%
		Antimony, Dissolved	EPA 200.7	1211269-001	<0.030	1.08	1.08	1.00	mg/L	108	108	<1%
		Barium, Dissolved	EPA 200.7	1211269-001	0.140	1.11	1.11	1.00	mg/L	97	97	<1%
		Bismuth, Dissolved	EPA 200.7	1211269-001	<0.100	0.970	0.969	1.00	mg/L	99	99	<1%
		Boron, Dissolved	EPA 200.7	1211269-001	0.772	1.77	1.78	1.00	mg/L	100	101	1 %
		Calcium, Dissolved	EPA 200.7	1211269-001	98.5	108	109	10.0	mg/L	95	105	1 %
		Cobalt, Dissolved	EPA 200.7	1211269-001	<0.010	0.936	0.939	1.00	mg/L	93	94	<1%
		Gallium, Dissolved	EPA 200.7	1211269-001	<0.100	1.02	1.02	1.00	mg/L	101	101	<1%
		Iron, Dissolved	EPA 200.7	1211269-001	0.288	1.28	1.28	1.00	mg/L	99	99	<1%
		Lithium, Dissolved	EPA 200.7	1211269-001	0.302	1.26	1.26	1.00	mg/L	96	96	<1%
		Magnesium, Dissolved	EPA 200.7	1211269-001	25.4	34.1	34.1	10.0	mg/L	87	87	<1%
		Manganese, Dissolved	EPA 200.7	1211269-001	<0.005	0.949	0.952	1.00	mg/L	96	97	<1%
		Molybdenum, Dissolved	EPA 200.7	1211269-001	<0.010	1.01	1.01	1.00	mg/L	101	101	<1%
		Phosphorus, Dissolved	EPA 200.7	1211269-001	<0.500	5.32	5.31	5.00	mg/L	106	106	<1%
		Potassium, Dissolved	EPA 200.7	1211269-001	21.2	31.2	31.4	10.0	mg/L	100	102	1 %
		Scandium, Dissolved	EPA 200.7	1211269-001	<0.100	1.00	1.00	1.00	mg/L	100	100	<1%
		Silicon, Dissolved	EPA 200.7	1211269-001	18.4	27.6	27.6	10.0	mg/L	92	92	<1%
		Sodium, Dissolved	EPA 200.7	1211269-001	71.5	81.1	81.8	10.0	mg/L	96	103	1 %
		Strontium, Dissolved	EPA 200.7	1211269-001	0.700	1.69	1.70	1.00	mg/L	99	100	1 %
		Tin, Dissolved	EPA 200.7	1211269-001	<0.100	0.961	0.958	1.00	mg/L	100	99	<1%
		Titanium, Dissolved	EPA 200.7	1211269-001	<0.100	1.00	1.01	1.00	mg/L	100	101	1 %
		Vanadium, Dissolved	EPA 200.7	1211269-001	0.020	1.03	1.03	1.00	mg/L	101	101	<1%
		Zinc, Dissolved	EPA 200.7	1211269-001	<0.010	0.977	0.972	1.00	mg/L	98	97	1 %
QC12110657	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1211242-002	18.5	SC 80.0	79.5	0.690	mg/L	NC	NC	NC
QC12110657	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1211269-006	0.809	M 0.887	0.854	0.690	mg/L	NC	NC	NC
QC12110793	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1211308-001	0.273	1.22	1.10	1.00	mg/L	95	83	10 %
QC12110793	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1211335-002	<0.050	0.985	1.00	1.00	mg/L	94	95	2 %
QC12110829	MS 1	Uranium, Dissolved	EPA 200.8	1211269-001	<0.0050	0.0099	0.0099	0.010	mg/L	99	99	<1%
		Mercury, Dissolved	EPA 200.8	1211269-001	<0.00011	0.000907	0.000888	0.001	mg/L	82	80	2 %
		Arsenic, Dissolved	EPA 200.8	1211269-001	0.1942	0.2422	0.2428	0.050	mg/L	96	97	<1%
		Beryllium, Dissolved	EPA 200.8	1211269-001	<0.0050	0.0114	0.0116	0.010	mg/L	100	102	2 %
		Cadmium, Dissolved	EPA 200.8	1211269-001	<0.0010	0.0089	0.0089	0.010	mg/L	89	89	<1%
		Chromium, Dissolved	EPA 200.8	1211269-001	<0.0250	<0.0250	<0.0250	0.010	mg/L	95	98	#Erro

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Copper, Dissolved	EPA 200.8	1211269-001	<0.0250	<0.0250	<0.0250	0.010	mg/L	79	85	#Erro
		Lead, Dissolved	EPA 200.8	1211269-001	<0.0025	0.0092	0.0093	0.010	mg/L	90	92	1 %
		Nickel, Dissolved	EPA 200.8	1211269-001	<0.0500	<0.0500	<0.0500	0.010	mg/L	95	93	#Erro
		Selenium, Dissolved	EPA 200.8	1211269-001	<0.0250	0.0423	0.0432	0.050	mg/L	79	81	2 %
		Silver, Dissolved	EPA 200.8	1211269-001	<0.0050	0.0091	0.0090	0.010	mg/L	88	88	1 %
		Thallium, Dissolved	EPA 200.8	1211269-001	<0.0010	0.0092	0.0091	0.010	mg/L	92	92	1 %

Laboratory Report

Report ID: 124761



**Sierra
Environmental
Monitoring, Inc.**

WET-Western Environmental Testing Laboratory
Attn: Scott Thompson
475 East Greg Street., Suite 119
Sparks, NV 89431

Date: 11/21/2012
Client: WET-142
Taken by: Client
PO #: 1211243

Dear Scott Thompson,

It is the policy of Sierra Environmental Monitoring, Inc to strictly adhere to a comprehensive Quality Assurance Plan that insures the data presented in this report are both accurate and precise. Sierra Environmental Monitoring, Inc. maintains accreditation in the State of Nevada (NV-15 and NV-921) and the State of California (ELAP 2526).

The data presented in this report were obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with appropriate explanation in the Analysis Report section of this Laboratory Report.

General Comments:

- There are no general comments for this report.

Individual Sample Comments:

- There are no specific comments that are associated with these samples.

Approved By:

Date:



Sierra Environmental Monitoring, Inc.

11/21/2012

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.

Laboratory Report

Report ID: 124761



**Sierra
Environmental
Monitoring, Inc.**

WET-Western Environmental Testing Laboratory
Attn: Scott Thompson
475 East Greg Street., Suite 119
Sparks, NV 89431

Date: 11/21/2012
Client: WET-142
Taken by: Client
PO #: 1211243

Analysis Report

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received			
S201211-1040	63316, Final Rinse	11/14/2012	9:00 AM	11/19/2012			
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Cyanide, WAD	SM 4500 CN I	0.040	mg/L	0.005	Kobza	11/20/2012	

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received			
S201211-1041	63322, Final Rinse	11/14/2012	9:00 AM	11/19/2012			
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Cyanide, WAD	SM 4500 CN I	0.090	mg/L	0.005	Kobza	11/20/2012	

Data Flag Legend:

Laboratory Report

Report ID: 124761



**Sierra
Environmental
Monitoring, Inc.**

WET-Western Environmental Testing Laboratory
Attn: Scott Thompson
475 East Greg Street., Suite 119
Sparks, NV 89431

Date: 11/21/2012
Client: WET-142
Taken by: Client
PO #: 1211243

Quality Control Report

<i>Parameter</i>	<i>LCS, % Recovery</i>	<i>MS, % Recovery</i>	<i>MSD, % Recovery</i>	<i>RPD, %</i>	<i>Method Blank</i>
Cyanide, WAD	81.0	94.0			<0.005 mg/L
Legend: <i>LCS- Laboratory Control Standard</i> <i>MS- Matrix Spike</i> <i>MSD- Matrix Spike Duplicate</i> <i>RPD- Relative Percent Difference</i>					



CHAIN OF CUSTODY RECORD

Due 11/21/12

124761

SEN

RUSH

64487245

Western Environmental Testing Laboratory 475 E. Greg Street #119 Sparks, NV 89431 Scott Thompson Ph: (775) 365-0202 scott@wetlab.com Fax: (775) 365-0817		Total # of sample containers 2	Samplers Initials SEN
Sample Receipt Condition:		Job ID 1211243	Notes: PLEASE RUSH - NEED BY 11/21/12
Temperature:		SIGNATURE OF COMPANY REPRESENTATIVE: _____ Date: _____ Time: _____	

Set Date	Sample ID - Site ID	Matrix	Parameter	Container Type	Preservatives
11/14/2012	63316, Final Rinse -	Waste Water	WAD Cyanide		
9:00 AM			SM 4500C-1		
11/14/2012	63322, Final Rinse -	Waste Water	WAD Cyanide		
9:00 AM			SM 4500C-1		

Relinquished by:				Received by:				Sample Type			
(Signature)	Date:	Time:		(Signature)	Date:	Time:		Grab	Composite	Equipment Blank	
	11/14/12	10:30		<i>[Signature]</i>	11/19	16:30					
(Signature)	Date:	Time:		(Signature)	Date:	Time:		Grab	Composite	Equipment Blank	
(Signature)	Date:	Time:		(Signature)	Date:	Time:		Grab	Composite	Equipment Blank	



WETLAB

WESTERN ENVIRONMENTAL
TESTING LABORATORY

Specializing in Soil, Hazardous Waste and Water Analysis.

475 E. Greg Street #119 | Sparks, Nevada 89431

tel (775) 355-0202 | fax (775) 355-0817

1084 Lamoille Hwy | Elko, Nevada 89801

tel (775) 777-9933 | fax (775) 777-9933 | www.WETLaboratory.com

Lab Number 1211243

Report

Due Date 11/21/12

Page 1 of 1

Client KCA

Address

City, State & Zip

Contact

Phone

Collector's Name Jim DeSlippy

Fax

PWS/Project Name Eagle Gold

P.O. Number

PWS/Project Number

Email

Billing Address (if different than Client Address)

Company

Address

City, State & Zip

Contact

Phone

Fax

Email

Standard	
5-Day*	3-Day*
48 Hour*	24 Hour*
*Surcharges Will Apply	
CA	Report Results Via
Other	Fax Mail Only
Yes No	PDF EDD
Yes No	Other:
Yes No	Standard GC Required?
Yes No	Yes No

P.O. Number			PWS/Project Number			Analysis Requested													
Email						S A M P L E T Y P E	N O. O F C O N T A I N E R S												
Billing Address (If different than Client Address)																			
Company																			
Address																			
City, State & Zip																			
Contact																			
Phone																			
Fax																			
Email																			
SAMPLE ID/LOCATION				DATE	TIME													Spl. No.	
63316, Final Rinse				"Raw"	11 Nov	0900			X	X	X							1	
				"NaOH"	)	)			X	X	X							1	
63322, Final Rinse				"Raw"					X	X	X							2	
				"NaOH"					X	X	X							2	

Instructions/Comments/Special Requirements:

Sample Matrix/Type Key: DW = Drinking Water WW = Wastewater SW = Surface Water MW = Monitoring Well SD = Solid/Sludge SO = Soil HW = Hazardous Waste OTHER:

SAMPLE RECEIPT		DATE	TIME	Samples Relinquished By	Samples Received By
Temperature	23.3 °C	11/21/12	0900	James A. Hamlett	
Custody Seals Intact?	Y N None	11/21/12	10:40		
Number of Containers	4				

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

Client/Collector attests to the validity and authenticity of this (these) sample(s) and, is (are) aware that tampering with or intentionally mislabeling the sample(s) location, date or time of collection may be considered fraud and subject to legal action (NAC445.0636). To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compensation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

12/4/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1211243

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 11/14/2012. Additional comments are located on page 2 of this report.

This is an amended report that includes the corrected result for Scandium on sample 1211243-001 due to the original result not including enough significant figures. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1211243

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1211243-001 Beryllium, Mercury

1211243-002 Beryllium, Mercury

The reporting limits have been adjusted accordingly.

Subcontracting Comments

The analysis for WAD Cyanide was performed by Sierra Environmental Monitoring of Reno, NV. Their report is attached.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 12/4/2012

OrderID: 1211243

Customer Sample ID: 63316, Final Rinse

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211243-001

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	18	mg/L	1.0	11/16/2012
Cyanate	SM 4500 CNL	2.5	mg/L	0.10	11/20/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	13	mg/L	1.2	11/26/2012
pH	SM 4500-H+ B	8.68	pH Units		11/15/2012
Trace Metals Digestion	EPA 200.2	Complete			11/16/2012
Acidity (Titrimetric)	SM 2310B	-158	mg/L as CaCO3		11/16/2012
Bicarbonate (HCO3)	SM 2320B	680	mg/L	1.0	11/15/2012
Carbonate (CO3)	SM 2320B	36	mg/L	1.0	11/15/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/15/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO3	1.0	11/15/2012
Redox Potential	SM 2580B	300	mV		11/15/2012
Chloride	EPA 300.0	79	mg/L	1.0	11/15/2012
Fluoride	EPA 300.0	2.2	mg/L	1.0	11/15/2012
Sulfate	EPA 300.0	1000	mg/L	10	11/15/2012
Nitrate Nitrogen	EPA 300.0	58	mg/L	0.10	11/15/2012
Nitrite Nitrogen	EPA 300.0	1.8	mg/L	0.25	11/15/2012
Total Kjeldahl Nitrogen	EPA 351.2	30	mg/L	10	11/20/2012
Total Nitrogen	Calc.	31	mg/L	1.1	11/20/2012
Total Cyanide	SM 4500CNC	0.60	mg/L	0.50	11/15/2012
Total Dissolved Solids (TDS)	SM 2540C	2800	mg/L	10	11/15/2012
Electrical Conductivity	SM 2510B	4200	µmhos/cm	1	11/20/2012
Aluminum	EPA 200.7	1.7	mg/L	0.045	11/19/2012
Antimony	EPA 200.7	0.99	mg/L	0.030	11/19/2012
Barium	EPA 200.7	0.040	mg/L	0.010	11/19/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/19/2012
Boron	EPA 200.7	0.11	mg/L	0.10	11/19/2012
Calcium	EPA 200.7	24	mg/L	0.50	11/19/2012

Customer Sample ID: 63316, Final Rinse

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211243-001

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.095	mg/L	0.010	11/19/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/19/2012
Iron	EPA 200.7	0.92	mg/L	0.010	11/19/2012
Lithium	EPA 200.7	0.023	mg/L	0.020	11/19/2012
Magnesium	EPA 200.7	1.2	mg/L	0.50	11/19/2012
Manganese	EPA 200.7	0.028	mg/L	0.0050	11/19/2012
Molybdenum	EPA 200.7	0.068	mg/L	0.010	11/19/2012
Phosphorus	EPA 200.7	0.57	mg/L	0.10	11/19/2012
Potassium	EPA 200.7	12	mg/L	0.50	11/19/2012
Scandium	EPA 200.7	0.0010	mg/L	0.0010	11/19/2012
Silicon	EPA 200.7	17	mg/L	0.10	11/19/2012
Sodium	EPA 200.7	1000	mg/L	5.0	11/20/2012
Strontium	EPA 200.7	0.43	mg/L	0.10	11/19/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/19/2012
Titanium	EPA 200.7	0.039	mg/L	0.0050	11/19/2012
Vanadium	EPA 200.7	0.034	mg/L	0.010	11/19/2012
Zinc	EPA 200.7	0.087	mg/L	0.010	11/19/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	11/19/2012
Arsenic	EPA 200.8	7.3	mg/L	0.050	11/19/2012
Beryllium	EPA 200.8	<0.0004	mg/L	0.0004	11/27/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/27/2012
Chromium	EPA 200.8	0.0026	mg/L	0.0010	11/27/2012
Copper	EPA 200.8	23	mg/L	0.50	11/28/2012
Lead	EPA 200.8	0.18	mg/L	0.025	11/19/2012
Nickel	EPA 200.8	0.004	mg/L	0.0020	11/27/2012
Selenium	EPA 200.8	0.019	mg/L	0.0050	11/16/2012
Silver	EPA 200.8	0.0008	mg/L	0.0005	11/27/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/16/2012
Uranium	EPA 200.8	0.24	mg/L	0.050	11/19/2012
WAD Cyanide	N/A	See Attached			

Customer Sample ID: 63322, Final Rinse

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211243-002

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	9.0	mg/L	1.0	11/16/2012
Cyanate	SM 4500 CNL	28	mg/L	0.10	11/20/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	13	mg/L	1.2	11/26/2012
pH	SM 4500-H+ B	8.77	pH Units		11/15/2012
Trace Metals Digestion	EPA 200.2	Complete			11/16/2012
Acidity (Titrimetric)	SM 2310B	-179	mg/L as CaCO3		11/16/2012
Bicarbonate (HCO3)	SM 2320B	740	mg/L	1.0	11/15/2012
Carbonate (CO3)	SM 2320B	50	mg/L	1.0	11/15/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/15/2012
Total Alkalinity	SM 2320B	690	mg/L as CaCO3	1.0	11/15/2012
Redox Potential	SM 2580B	250	mV		11/15/2012
Chloride	EPA 300.0	160	mg/L	1.0	11/15/2012
Fluoride	EPA 300.0	1.5	mg/L	1.0	11/15/2012
Sulfate	EPA 300.0	1000	mg/L	10	11/15/2012
Nitrate Nitrogen	EPA 300.0	33	mg/L	0.10	11/15/2012
Nitrite Nitrogen	EPA 300.0	1.8	mg/L	0.25	11/15/2012
Total Kjeldahl Nitrogen	EPA 351.2	29	mg/L	10	11/20/2012
Total Nitrogen	Calc.	31	mg/L	1.1	11/20/2012
Total Cyanide	SM 4500CNC	0.34	mg/L	0.050	11/15/2012
Total Dissolved Solids (TDS)	SM 2540C	2900	mg/L	10	11/15/2012
Electrical Conductivity	SM 2510B	4500	µmhos/cm	1	11/20/2012
Aluminum	EPA 200.7	0.94	mg/L	0.045	11/19/2012
Antimony	EPA 200.7	0.47	mg/L	0.030	11/19/2012
Barium	EPA 200.7	0.035	mg/L	0.010	11/19/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/19/2012
Boron	EPA 200.7	0.20	mg/L	0.10	11/19/2012
Calcium	EPA 200.7	31	mg/L	0.50	11/19/2012
Cobalt	EPA 200.7	0.043	mg/L	0.010	11/19/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/19/2012
Iron	EPA 200.7	0.78	mg/L	0.010	11/19/2012
Lithium	EPA 200.7	0.19	mg/L	0.020	11/19/2012
Magnesium	EPA 200.7	3.6	mg/L	0.50	11/19/2012
Manganese	EPA 200.7	0.030	mg/L	0.0050	11/19/2012
Molybdenum	EPA 200.7	0.024	mg/L	0.010	11/19/2012
Phosphorus	EPA 200.7	0.32	mg/L	0.10	11/19/2012
Potassium	EPA 200.7	12	mg/L	0.50	11/19/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	11/19/2012
Silicon	EPA 200.7	16	mg/L	0.10	11/19/2012

Customer Sample ID: 63322, Final Rinse

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211243-002

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	1000	mg/L	5.0	11/20/2012
Strontium	EPA 200.7	0.57	mg/L	0.10	11/19/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/19/2012
Titanium	EPA 200.7	0.021	mg/L	0.0050	11/19/2012
Vanadium	EPA 200.7	0.021	mg/L	0.010	11/19/2012
Zinc	EPA 200.7	0.075	mg/L	0.010	11/19/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	11/19/2012
Arsenic	EPA 200.8	3.3	mg/L	0.050	11/19/2012
Beryllium	EPA 200.8	<0.0004	mg/L	0.0004	11/27/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/27/2012
Chromium	EPA 200.8	0.0030	mg/L	0.0010	11/27/2012
Copper	EPA 200.8	1.3	mg/L	0.050	11/19/2012
Lead	EPA 200.8	0.090	mg/L	0.0025	11/16/2012
Nickel	EPA 200.8	0.009	mg/L	0.0020	11/27/2012
Selenium	EPA 200.8	0.010	mg/L	0.0050	11/16/2012
Silver	EPA 200.8	0.0027	mg/L	0.0005	11/27/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/16/2012
Uranium	EPA 200.8	0.17	mg/L	0.050	11/19/2012
WAD Cyanide	N/A	See Attached			

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12110530	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110530	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110543	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12110543	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12110546	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12110546	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12110546	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12110548	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110548	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110548	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110549	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110549	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110549	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110550	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12110550	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12110550	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12110611	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110611	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110612	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12110612	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12110630	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Antimony, Dissolved	EPA 200.7	<0.030	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silicon, Dissolved	EPA 200.7	<0.10	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC12110657	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12110657	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12110657	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12110664	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm

QCBatchID	QCType	Parameter	Method	Result	Units
QC12110665	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110665	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110793	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110793	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110793	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110829	Blank 1	Uranium, Dissolved	EPA 200.8	<0.0050	mg/L
		Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Beryllium, Dissolved	EPA 200.8	<0.0010	mg/L
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Chromium, Dissolved	EPA 200.8	<0.0050	mg/L
		Copper, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Nickel, Dissolved	EPA 200.8	<0.010	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Silver, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12110504	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12110504	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC12110510	LCS 1	Total Alkalinity	SM 2320B	96.8	100	97	mg/L
QC12110510	LCS 2	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC12110510	LCS 3	Total Alkalinity	SM 2320B	104	100	104	mg/L
QC12110530	LCS 1	Total Cyanide	SM 4500CNC	0.095	0.100	95	mg/L
QC12110537	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC12110543	LCS 1	Fluoride	EPA 300.0	1.87	2.00	94	mg/L
QC12110546	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC12110548	LCS 1	Nitrite Nitrogen	EPA 300.0	0.525	0.500	105	mg/L
QC12110549	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	2.00	100	mg/L
QC12110550	LCS 1	Sulfate	EPA 300.0	24.7	25.0	99	mg/L
QC12110611	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L
QC12110611	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	152	150	101	mg/L
QC12110630	LCS 1	Aluminum, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Antimony, Dissolved	EPA 200.7	1.08	1.00	108	mg/L
		Barium, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Bismuth, Dissolved	EPA 200.7	1.03	1.00	103	mg/L
		Boron, Dissolved	EPA 200.7	0.976	1.00	98	mg/L
		Calcium, Dissolved	EPA 200.7	10.1	10.0	101	mg/L
		Cobalt, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Gallium, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Iron, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Lithium, Dissolved	EPA 200.7	1.02	1.00	102	mg/L
		Magnesium, Dissolved	EPA 200.7	10.0	10.0	100	mg/L
		Manganese, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Molybdenum, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Phosphorus, Dissolved	EPA 200.7	5.16	5.00	103	mg/L
		Potassium, Dissolved	EPA 200.7	10.2	10.0	102	mg/L
		Scandium, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Silicon, Dissolved	EPA 200.7	9.44	10.0	94	mg/L
		Sodium, Dissolved	EPA 200.7	10.7	10.0	107	mg/L
		Strontium, Dissolved	EPA 200.7	1.02	1.00	102	mg/L
		Tin, Dissolved	EPA 200.7	0.996	1.00	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC12110657 QC12110664 QC12110665 QC12110793 QC12110829	LCS 1	Titanium, Dissolved	EPA 200.7	0.997	1.00	100	mg/L	
		Vanadium, Dissolved	EPA 200.7	1.00	1.00	100	mg/L	
		Zinc, Dissolved	EPA 200.7	1.04	1.00	104	mg/L	
		Total Kjeldahl Nitrogen	EPA 351.2	0.736	0.690	107	mg/L	
		Electrical Conductivity	SM 2510B	1435	1412	102	µmhos/cm	
		Cyanate	SM 4500 CNL	1.03	1.00	103	mg/L	
		Ammonia, as Nitrogen	SM 4500 NH3 D	0.853	1.00	85	mg/L	
		Uranium, Dissolved	EPA 200.8	0.0093	0.010	93	mg/L	
		Mercury, Dissolved	EPA 200.8	0.000933	0.001	93	mg/L	
		Arsenic, Dissolved	EPA 200.8	0.0504	0.050	101	mg/L	
		Beryllium, Dissolved	EPA 200.8	0.0098	0.010	98	mg/L	
		Cadmium, Dissolved	EPA 200.8	0.0100	0.010	100	mg/L	
		Chromium, Dissolved	EPA 200.8	0.0095	0.010	95	mg/L	
		Copper, Dissolved	EPA 200.8	0.0095	0.010	94	mg/L	
		Lead, Dissolved	EPA 200.8	0.0096	0.010	96	mg/L	
		Nickel, Dissolved	EPA 200.8	<0.0100	0.010	100	mg/L	
		Selenium, Dissolved	EPA 200.8	0.0457	0.050	91	mg/L	
		Silver, Dissolved	EPA 200.8	0.0097	0.010	97	mg/L	
		Thallium, Dissolved	EPA 200.8	0.0095	0.010	95	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12110504	Duplicate	pH	SM 4500-H+ B	1211238-001	7.96	7.96	pH Units	<1%
QC12110504	Duplicate	pH	SM 4500-H+ B	1211240-007	7.58	7.64	pH Units	1 %
QC12110504	Duplicate	pH	SM 4500-H+ B	1211252-002	7.26	7.06	Q pH Units	3 %
QC12110504	Duplicate	pH	SM 4500-H+ B	1211254-002	2.32	2.31	pH Units	<1%
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211238-001	230	229	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1211238-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211238-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211238-001	188	188	mg/L as CaCO3	<1%
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211240-007	140	138	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1211240-007	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211240-007	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211240-007	114	113	mg/L as CaCO3	1 %
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211252-002	84.4	62.5	Q mg/L	30 %
		Carbonate (CO3)	SM 2320B	1211252-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211252-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211252-002	69.2	51.2	Q mg/L as CaCO3	30 %
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211261-001	57.2	51.3	mg/L	11 %
		Carbonate (CO3)	SM 2320B	1211261-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211261-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211261-001	46.9	42.1	mg/L as CaCO3	11 %
QC12110537	Duplicate	Redox Potential	SM 2580B	1211241-001	92.8	91.1	mV	2 %
QC12110540	Duplicate	Acidity (Titrimetric)	SM 2310B	1211241-001	<0.000	<0.000	mg/L as CaCO3	<1%
QC12110540	Duplicate	Acidity (Titrimetric)	SM 2310B	1211125-005	14.0	14.0	mg/L as CaCO3	<1%
QC12110611	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211208-001	199	199	mg/L	<1%
QC12110611	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211240-001	334	344	mg/L	3 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12110611	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211242-002	2240	2268	mg/L	1 %
QC12110664	Duplicate	Electrical Conductivity	SM 2510B	1211153-001	1221	1223	µmhos/cm	<1%
QC12110664	Duplicate	Electrical Conductivity	SM 2510B	1211243-002	4500	4420	µmhos/cm	2 %
QC12110665	Duplicate	Cyanate	SM 4500 CNL	1211243-002	27.6	26.8	mg/L	3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12110530	MS 1	Total Cyanide	SM 4500CNC	1211243-001	0.600	5.52	5.59	0.100	mg/L	98	100	1 %
QC12110543	MS 1	Fluoride	EPA 300.0	1211252-001	0.684	2.30	2.27	2.00	mg/L	81	79	1 %
QC12110546	MS 1	Chloride	EPA 300.0	1211252-001	<1.000	5.24	5.23	5.00	mg/L	103	103	<1%
QC12110546	MS 2	Chloride	EPA 300.0	1211252-005	<1.000	5.24	5.24	5.00	mg/L	102	102	<1%
QC12110548	MS 1	Nitrite Nitrogen	EPA 300.0	1211252-001	<0.025	0.480	0.506	0.500	mg/L	93	98	5 %
QC12110548	MS 2	Nitrite Nitrogen	EPA 300.0	1211252-005	<0.025	0.513	0.504	0.500	mg/L	100	98	2 %
QC12110549	MS 1	Nitrate Nitrogen	EPA 300.0	1211252-001	<1.000	2.09	2.08	2.00	mg/L	103	102	<1%
QC12110549	MS 2	Nitrate Nitrogen	EPA 300.0	1211252-005	<1.000	2.09	2.08	2.00	mg/L	103	102	<1%
QC12110550	MS 1	Sulfate	EPA 300.0	1211252-001	44.6	53.0	52.9	10.0	mg/L	84	83	<1%
QC12110550	MS 2	Sulfate	EPA 300.0	1211252-005	43.8	52.2	52.2	10.0	mg/L	84	83	<1%
QC12110612	MS 1	Thiocyanate	SM 4500 CN	1211242-001	4.01	4.95	4.93	0.500	mg/L	187	184	<1%
QC12110630	MS 1	Aluminum, Dissolved	EPA 200.7	1211269-001	<0.045	1.02	1.02	1.00	mg/L	101	101	<1%
		Antimony, Dissolved	EPA 200.7	1211269-001	<0.030	1.08	1.08	1.00	mg/L	108	108	<1%
		Barium, Dissolved	EPA 200.7	1211269-001	0.140	1.11	1.11	1.00	mg/L	97	97	<1%
		Bismuth, Dissolved	EPA 200.7	1211269-001	<0.100	0.970	0.969	1.00	mg/L	99	99	<1%
		Boron, Dissolved	EPA 200.7	1211269-001	0.772	1.77	1.78	1.00	mg/L	100	101	1 %
		Calcium, Dissolved	EPA 200.7	1211269-001	98.5	108	109	10.0	mg/L	95	105	1 %
		Cobalt, Dissolved	EPA 200.7	1211269-001	<0.010	0.936	0.939	1.00	mg/L	93	94	<1%
		Gallium, Dissolved	EPA 200.7	1211269-001	<0.100	1.02	1.02	1.00	mg/L	101	101	<1%
		Iron, Dissolved	EPA 200.7	1211269-001	0.288	1.28	1.28	1.00	mg/L	99	99	<1%
		Lithium, Dissolved	EPA 200.7	1211269-001	0.302	1.26	1.26	1.00	mg/L	96	96	<1%
		Magnesium, Dissolved	EPA 200.7	1211269-001	25.4	34.1	34.1	10.0	mg/L	87	87	<1%
		Manganese, Dissolved	EPA 200.7	1211269-001	<0.005	0.949	0.952	1.00	mg/L	96	97	<1%
		Molybdenum, Dissolved	EPA 200.7	1211269-001	<0.010	1.01	1.01	1.00	mg/L	101	101	<1%
		Phosphorus, Dissolved	EPA 200.7	1211269-001	<0.500	5.32	5.31	5.00	mg/L	106	106	<1%
		Potassium, Dissolved	EPA 200.7	1211269-001	21.2	31.2	31.4	10.0	mg/L	100	102	1 %
		Scandium, Dissolved	EPA 200.7	1211269-001	<0.100	1.00	1.00	1.00	mg/L	100	100	<1%
		Silicon, Dissolved	EPA 200.7	1211269-001	18.4	27.6	27.6	10.0	mg/L	92	92	<1%
		Sodium, Dissolved	EPA 200.7	1211269-001	71.5	81.1	81.8	10.0	mg/L	96	103	1 %
		Strontium, Dissolved	EPA 200.7	1211269-001	0.700	1.69	1.70	1.00	mg/L	99	100	1 %
		Tin, Dissolved	EPA 200.7	1211269-001	<0.100	0.961	0.958	1.00	mg/L	100	99	<1%
		Titanium, Dissolved	EPA 200.7	1211269-001	<0.100	1.00	1.01	1.00	mg/L	100	101	1 %
		Vanadium, Dissolved	EPA 200.7	1211269-001	0.020	1.03	1.03	1.00	mg/L	101	101	<1%
		Zinc, Dissolved	EPA 200.7	1211269-001	<0.010	0.977	0.972	1.00	mg/L	98	97	1 %
QC12110657	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1211242-002	18.5	SC 80.0	79.5	0.690	mg/L	NC	NC	NC
QC12110657	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1211269-006	0.809	M 0.887	0.854	0.690	mg/L	NC	NC	NC
QC12110793	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1211308-001	0.273	1.22	1.10	1.00	mg/L	95	83	10 %
QC12110793	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1211335-002	<0.050	0.985	1.00	1.00	mg/L	94	95	2 %
QC12110829	MS 1	Uranium, Dissolved	EPA 200.8	1211269-001	<0.0050	0.0099	0.0099	0.010	mg/L	99	99	<1%
		Mercury, Dissolved	EPA 200.8	1211269-001	<0.00011	0.000907	0.000888	0.001	mg/L	82	80	2 %
		Arsenic, Dissolved	EPA 200.8	1211269-001	0.1942	0.2422	0.2428	0.050	mg/L	96	97	<1%
		Beryllium, Dissolved	EPA 200.8	1211269-001	<0.0050	0.0114	0.0116	0.010	mg/L	100	102	2 %
		Cadmium, Dissolved	EPA 200.8	1211269-001	<0.0010	0.0089	0.0089	0.010	mg/L	89	89	<1%
		Chromium, Dissolved	EPA 200.8	1211269-001	<0.0250	<0.0250	<0.0250	0.010	mg/L	95	98	#Erro

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Copper, Dissolved	EPA 200.8	1211269-001	<0.0250	<0.0250	<0.0250	0.010	mg/L	79	85	#Erro
		Lead, Dissolved	EPA 200.8	1211269-001	<0.0025	0.0092	0.0093	0.010	mg/L	90	92	1 %
		Nickel, Dissolved	EPA 200.8	1211269-001	<0.0500	<0.0500	<0.0500	0.010	mg/L	95	93	#Erro
		Selenium, Dissolved	EPA 200.8	1211269-001	<0.0250	0.0423	0.0432	0.050	mg/L	79	81	2 %
		Silver, Dissolved	EPA 200.8	1211269-001	<0.0050	0.0091	0.0090	0.010	mg/L	88	88	1 %
		Thallium, Dissolved	EPA 200.8	1211269-001	<0.0010	0.0092	0.0091	0.010	mg/L	92	92	1 %

1/30/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1211243

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 11/14/2012. Additional comments are located on page 2 of this report.

This is an amended report that includes the reanalysis result for Copper for sample 1211243-001 per client request. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1211243

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1211243-001 Beryllium, Mercury

1211243-002 Beryllium, Mercury

The reporting limits have been adjusted accordingly.

Subcontracting Comments

The analysis for WAD Cyanide was performed by Sierra Environmental Monitoring of Reno, NV. Their report is attached.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 1/30/2013

OrderID: 1211243

Customer Sample ID: 63316, Final Rinse

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211243-001

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	18	mg/L	1.0	11/16/2012
Cyanate	SM 4500 CNL	2.5	mg/L	0.10	11/20/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	13	mg/L	1.2	11/26/2012
pH	SM 4500-H+ B	8.68	pH Units		11/15/2012
Trace Metals Digestion	EPA 200.2	Complete			11/16/2012
Acidity (Titrimetric)	SM 2310B	-158	mg/L as CaCO3		11/16/2012
Bicarbonate (HCO3)	SM 2320B	680	mg/L	1.0	11/15/2012
Carbonate (CO3)	SM 2320B	36	mg/L	1.0	11/15/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/15/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO3	1.0	11/15/2012
Redox Potential	SM 2580B	300	mV		11/15/2012
Chloride	EPA 300.0	79	mg/L	1.0	11/15/2012
Fluoride	EPA 300.0	2.2	mg/L	1.0	11/15/2012
Sulfate	EPA 300.0	1000	mg/L	10	11/15/2012
Nitrate Nitrogen	EPA 300.0	58	mg/L	0.10	11/15/2012
Nitrite Nitrogen	EPA 300.0	1.8	mg/L	0.25	11/15/2012
Total Kjeldahl Nitrogen	EPA 351.2	30	mg/L	10	11/20/2012
Total Nitrogen	Calc.	31	mg/L	1.1	11/20/2012
Total Cyanide	SM 4500CNC	0.60	mg/L	0.50	11/15/2012
Total Dissolved Solids (TDS)	SM 2540C	2800	mg/L	10	11/15/2012
Electrical Conductivity	SM 2510B	4200	µmhos/cm	1	11/20/2012
Aluminum	EPA 200.7	1.7	mg/L	0.045	11/19/2012
Antimony	EPA 200.7	0.99	mg/L	0.030	11/19/2012
Barium	EPA 200.7	0.040	mg/L	0.010	11/19/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/19/2012
Boron	EPA 200.7	0.11	mg/L	0.100	11/19/2012
Calcium	EPA 200.7	24	mg/L	0.50	11/19/2012

Customer Sample ID: 63316, Final Rinse**Collect Date/Time:** 11/14/2012 09:00**WETLAB Sample ID:** 1211243-001**Receive Date:** 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.095	mg/L	0.010	11/19/2012
Copper	EPA 200.7	2.9	mg/L	0.050	1/25/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/19/2012
Iron	EPA 200.7	0.92	mg/L	0.010	11/19/2012
Lithium	EPA 200.7	0.02	mg/L	0.020	11/19/2012
Magnesium	EPA 200.7	1.2	mg/L	0.50	11/19/2012
Manganese	EPA 200.7	0.028	mg/L	0.0050	11/19/2012
Molybdenum	EPA 200.7	0.068	mg/L	0.010	11/19/2012
Phosphorus	EPA 200.7	0.57	mg/L	0.10	11/19/2012
Potassium	EPA 200.7	12	mg/L	0.50	11/19/2012
Scandium	EPA 200.7	0.00	mg/L	0.0010	11/19/2012
Silicon	EPA 200.7	17	mg/L	0.10	11/19/2012
Sodium	EPA 200.7	1000	mg/L	5.0	11/20/2012
Strontium	EPA 200.7	0.43	mg/L	0.10	11/19/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/19/2012
Titanium	EPA 200.7	0.04	mg/L	0.0050	11/19/2012
Vanadium	EPA 200.7	0.034	mg/L	0.010	11/19/2012
Zinc	EPA 200.7	0.087	mg/L	0.010	11/19/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	11/19/2012
Arsenic	EPA 200.8	7.3	mg/L	0.050	11/19/2012
Beryllium	EPA 200.8	<0.0004	mg/L	0.0004	11/27/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/27/2012
Chromium	EPA 200.8	0.0026	mg/L	0.0010	11/27/2012
Lead	EPA 200.8	0.18	mg/L	0.025	11/19/2012
Nickel	EPA 200.8	0.0036	mg/L	0.0020	11/27/2012
Selenium	EPA 200.8	0.019	mg/L	0.0050	11/16/2012
Silver	EPA 200.8	0.0008	mg/L	0.0005	11/27/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/16/2012
Uranium	EPA 200.8	0.24	mg/L	0.050	11/19/2012
WAD Cyanide	N/A	See Attached			

Customer Sample ID: 63322, Final Rinse**Collect Date/Time:** 11/14/2012 09:00**WETLAB Sample ID:** 1211243-002**Receive Date:** 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	9.0	mg/L	1.0	11/16/2012
Cyanate	SM 4500 CNL	28	mg/L	0.10	11/20/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	13	mg/L	1.2	11/26/2012

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Customer Sample ID: 63322, Final Rinse

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211243-002

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	8.77	pH Units		11/15/2012
Trace Metals Digestion	EPA 200.2	Complete			11/16/2012
Acidity (Titrimetric)	SM 2310B	-179	mg/L as CaCO ₃		11/16/2012
Bicarbonate (HCO ₃)	SM 2320B	740	mg/L	1.0	11/15/2012
Carbonate (CO ₃)	SM 2320B	50	mg/L	1.0	11/15/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/15/2012
Total Alkalinity	SM 2320B	690	mg/L as CaCO ₃	1.0	11/15/2012
Redox Potential	SM 2580B	250	mV		11/15/2012
Chloride	EPA 300.0	160	mg/L	1.0	11/15/2012
Fluoride	EPA 300.0	1.5	mg/L	1.0	11/15/2012
Sulfate	EPA 300.0	1000	mg/L	10	11/15/2012
Nitrate Nitrogen	EPA 300.0	33	mg/L	0.10	11/15/2012
Nitrite Nitrogen	EPA 300.0	1.8	mg/L	0.25	11/15/2012
Total Kjeldahl Nitrogen	EPA 351.2	29	mg/L	10	11/20/2012
Total Nitrogen	Calc.	31	mg/L	1.1	11/20/2012
Total Cyanide	SM 4500CNC	0.34	mg/L	0.050	11/15/2012
Total Dissolved Solids (TDS)	SM 2540C	2900	mg/L	10	11/15/2012
Electrical Conductivity	SM 2510B	4500	µmhos/cm	1	11/20/2012
Aluminum	EPA 200.7	0.94	mg/L	0.045	11/19/2012
Antimony	EPA 200.7	0.47	mg/L	0.030	11/19/2012
Barium	EPA 200.7	0.035	mg/L	0.010	11/19/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/19/2012
Boron	EPA 200.7	0.20	mg/L	0.100	11/19/2012
Calcium	EPA 200.7	31	mg/L	0.50	11/19/2012
Cobalt	EPA 200.7	0.043	mg/L	0.010	11/19/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/19/2012
Iron	EPA 200.7	0.78	mg/L	0.010	11/19/2012
Lithium	EPA 200.7	0.19	mg/L	0.020	11/19/2012
Magnesium	EPA 200.7	3.6	mg/L	0.50	11/19/2012
Manganese	EPA 200.7	0.030	mg/L	0.0050	11/19/2012
Molybdenum	EPA 200.7	0.024	mg/L	0.010	11/19/2012
Phosphorus	EPA 200.7	0.32	mg/L	0.10	11/19/2012
Potassium	EPA 200.7	12	mg/L	0.50	11/19/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	11/19/2012
Silicon	EPA 200.7	16	mg/L	0.10	11/19/2012
Sodium	EPA 200.7	1000	mg/L	5.0	11/20/2012
Strontium	EPA 200.7	0.57	mg/L	0.10	11/19/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/19/2012

Customer Sample ID: 63322, Final Rinse

Collect Date/Time: 11/14/2012 09:00

WETLAB Sample ID: 1211243-002

Receive Date: 11/14/2012 10:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Titanium	EPA 200.7	0.02	mg/L	0.0050	11/19/2012
Vanadium	EPA 200.7	0.021	mg/L	0.010	11/19/2012
Zinc	EPA 200.7	0.075	mg/L	0.010	11/19/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	11/19/2012
Arsenic	EPA 200.8	3.3	mg/L	0.050	11/19/2012
Beryllium	EPA 200.8	<0.0004	mg/L	0.0004	11/27/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/27/2012
Chromium	EPA 200.8	0.0030	mg/L	0.0010	11/27/2012
Copper	EPA 200.8	1.3	mg/L	0.050	11/19/2012
Lead	EPA 200.8	0.090	mg/L	0.0025	11/16/2012
Nickel	EPA 200.8	0.0086	mg/L	0.0020	11/27/2012
Selenium	EPA 200.8	0.010	mg/L	0.0050	11/16/2012
Silver	EPA 200.8	0.0027	mg/L	0.0005	11/27/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/16/2012
Uranium	EPA 200.8	0.17	mg/L	0.050	11/19/2012
WAD Cyanide	N/A	See Attached			

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12110530	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110530	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110543	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12110543	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12110546	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12110546	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12110546	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12110548	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110548	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110548	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110549	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110549	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110549	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110550	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12110550	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12110550	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12110611	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110611	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110612	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12110612	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12110630	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Antimony, Dissolved	EPA 200.7	<0.030	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Copper, Dissolved	EPA 200.7	<0.050	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silicon, Dissolved	EPA 200.7	<0.10	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC12110657	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC12110657	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC12110657	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12110664	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12110665	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110665	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110793	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110793	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110793	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110829	Blank 1	Uranium, Dissolved	EPA 200.8	<0.0050	mg/L
		Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Beryllium, Dissolved	EPA 200.8	<0.0010	mg/L
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Chromium, Dissolved	EPA 200.8	<0.0050	mg/L
		Copper, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Nickel, Dissolved	EPA 200.8	<0.010	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Silver, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12110504	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12110504	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC12110510	LCS 1	Total Alkalinity	SM 2320B	96.8	100	97	mg/L
QC12110510	LCS 2	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC12110510	LCS 3	Total Alkalinity	SM 2320B	104	100	104	mg/L
QC12110530	LCS 1	Total Cyanide	SM 4500CNC	0.095	0.100	95	mg/L
QC12110537	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC12110543	LCS 1	Fluoride	EPA 300.0	1.87	2.00	94	mg/L
QC12110546	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC12110548	LCS 1	Nitrite Nitrogen	EPA 300.0	0.525	0.500	105	mg/L
QC12110549	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	2.00	100	mg/L
QC12110550	LCS 1	Sulfate	EPA 300.0	24.7	25.0	99	mg/L
QC12110611	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L
QC12110611	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	152	150	101	mg/L
QC12110630	LCS 1	Aluminum, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Antimony, Dissolved	EPA 200.7	1.08	1.00	108	mg/L
		Barium, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Bismuth, Dissolved	EPA 200.7	1.03	1.00	103	mg/L
		Boron, Dissolved	EPA 200.7	0.976	1.00	98	mg/L
		Calcium, Dissolved	EPA 200.7	10.1	10.0	101	mg/L
		Cobalt, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Copper, Dissolved	EPA 200.7	4.90	5.00	98	mg/L
		Gallium, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Iron, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Lithium, Dissolved	EPA 200.7	1.02	1.00	102	mg/L
		Magnesium, Dissolved	EPA 200.7	10.0	10.0	100	mg/L
		Manganese, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Molybdenum, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Phosphorus, Dissolved	EPA 200.7	5.16	5.00	103	mg/L
		Potassium, Dissolved	EPA 200.7	10.2	10.0	102	mg/L
		Scandium, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Silicon, Dissolved	EPA 200.7	9.44	10.0	94	mg/L
		Sodium, Dissolved	EPA 200.7	10.7	10.0	107	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC12110657	LCS 1	Strontium, Dissolved	EPA 200.7	1.02	1.00	102	mg/L	
		Tin, Dissolved	EPA 200.7	0.996	1.00	100	mg/L	
		Titanium, Dissolved	EPA 200.7	0.997	1.00	100	mg/L	
		Vanadium, Dissolved	EPA 200.7	1.00	1.00	100	mg/L	
		Zinc, Dissolved	EPA 200.7	1.04	1.00	104	mg/L	
		Total Kjeldahl Nitrogen	EPA 351.2	0.736	0.690	107	mg/L	
		Electrical Conductivity	SM 2510B	1435	1412	102	µmhos/cm	
		Cyanate	SM 4500 CNL	1.03	1.00	103	mg/L	
		Ammonia, as Nitrogen	SM 4500 NH3 D	0.853	1.00	85	mg/L	
		Uranium, Dissolved	EPA 200.8	0.0093	0.010	93	mg/L	
		Mercury, Dissolved	EPA 200.8	0.000933	0.001	93	mg/L	
		Arsenic, Dissolved	EPA 200.8	0.0504	0.050	101	mg/L	
		Beryllium, Dissolved	EPA 200.8	0.0098	0.010	98	mg/L	
		Cadmium, Dissolved	EPA 200.8	0.0100	0.010	100	mg/L	
		Chromium, Dissolved	EPA 200.8	0.0095	0.010	95	mg/L	
		Copper, Dissolved	EPA 200.8	0.0095	0.010	94	mg/L	
		Lead, Dissolved	EPA 200.8	0.0096	0.010	96	mg/L	
		Nickel, Dissolved	EPA 200.8	<0.0100	0.010	100	mg/L	
		Selenium, Dissolved	EPA 200.8	0.0457	0.050	91	mg/L	
		Silver, Dissolved	EPA 200.8	0.0097	0.010	97	mg/L	
		Thallium, Dissolved	EPA 200.8	0.0095	0.010	95	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12110504	Duplicate	pH	SM 4500-H+ B	1211238-001	7.96	7.96	pH Units	<1%
QC12110504	Duplicate	pH	SM 4500-H+ B	1211240-007	7.58	7.64	pH Units	1 %
QC12110504	Duplicate	pH	SM 4500-H+ B	1211252-002	7.26	7.06	Q pH Units	3 %
QC12110504	Duplicate	pH	SM 4500-H+ B	1211254-002	2.32	2.31	pH Units	<1%
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211238-001	230	229	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1211238-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211238-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211238-001	188	188	mg/L as CaCO3	<1%
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211240-007	140	138	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1211240-007	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211240-007	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211240-007	114	113	mg/L as CaCO3	1 %
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211252-002	84.4	62.5	Q mg/L	30 %
		Carbonate (CO3)	SM 2320B	1211252-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211252-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211252-002	69.2	51.2	Q mg/L as CaCO3	30 %
QC12110510	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211261-001	57.2	51.3	mg/L	11 %
		Carbonate (CO3)	SM 2320B	1211261-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211261-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211261-001	46.9	42.1	mg/L as CaCO3	11 %
QC12110537	Duplicate	Redox Potential	SM 2580B	1211241-001	92.8	91.1	mV	2 %
QC12110540	Duplicate	Acidity (Titrimetric)	SM 2310B	1211241-001	<0.000	<0.000	mg/L as CaCO3	<1%
QC12110540	Duplicate	Acidity (Titrimetric)	SM 2310B	1211125-005	14.0	14.0	mg/L as CaCO3	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12110611	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211208-001	199	199	mg/L	<1%
QC12110611	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211240-001	334	344	mg/L	3 %
QC12110611	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211242-002	2240	2268	mg/L	1 %
QC12110664	Duplicate	Electrical Conductivity	SM 2510B	1211153-001	1221	1223	µmhos/cm	<1%
QC12110664	Duplicate	Electrical Conductivity	SM 2510B	1211243-002	4500	4420	µmhos/cm	2 %
QC12110665	Duplicate	Cyanate	SM 4500 CNL	1211243-002	27.6	26.8	mg/L	3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12110530	MS 1	Total Cyanide	SM 4500CNC	1211243-001	0.600	5.52	5.59	0.100	mg/L	98	100	1 %
QC12110543	MS 1	Fluoride	EPA 300.0	1211252-001	0.684	2.30	2.27	2.00	mg/L	81	79	1 %
QC12110546	MS 1	Chloride	EPA 300.0	1211252-001	<1.000	5.24	5.23	5.00	mg/L	103	103	<1%
QC12110546	MS 2	Chloride	EPA 300.0	1211252-005	<1.000	5.24	5.24	5.00	mg/L	102	102	<1%
QC12110548	MS 1	Nitrite Nitrogen	EPA 300.0	1211252-001	<0.025	0.480	0.506	0.500	mg/L	93	98	5 %
QC12110548	MS 2	Nitrite Nitrogen	EPA 300.0	1211252-005	<0.025	0.513	0.504	0.500	mg/L	100	98	2 %
QC12110549	MS 1	Nitrate Nitrogen	EPA 300.0	1211252-001	<1.000	2.09	2.08	2.00	mg/L	103	102	<1%
QC12110549	MS 2	Nitrate Nitrogen	EPA 300.0	1211252-005	<1.000	2.09	2.08	2.00	mg/L	103	102	<1%
QC12110550	MS 1	Sulfate	EPA 300.0	1211252-001	44.6	53.0	52.9	10.0	mg/L	84	83	<1%
QC12110550	MS 2	Sulfate	EPA 300.0	1211252-005	43.8	52.2	52.2	10.0	mg/L	84	83	<1%
QC12110612	MS 1	Thiocyanate	SM 4500 CN	1211242-001	4.01	4.95	4.93	0.500	mg/L	187	184	<1%
QC12110630	MS 1	Aluminum, Dissolved	EPA 200.7	1211269-001	<0.045	1.02	1.02	1.00	mg/L	101	101	<1%
		Antimony, Dissolved	EPA 200.7	1211269-001	<0.030	1.08	1.08	1.00	mg/L	108	108	<1%
		Barium, Dissolved	EPA 200.7	1211269-001	0.140	1.11	1.11	1.00	mg/L	97	97	<1%
		Bismuth, Dissolved	EPA 200.7	1211269-001	<0.100	0.970	0.969	1.00	mg/L	99	99	<1%
		Boron, Dissolved	EPA 200.7	1211269-001	0.772	1.77	1.78	1.00	mg/L	100	101	1 %
		Calcium, Dissolved	EPA 200.7	1211269-001	98.5	108	109	10.0	mg/L	95	105	1 %
		Cobalt, Dissolved	EPA 200.7	1211269-001	<0.010	0.936	0.939	1.00	mg/L	93	94	<1%
		Copper, Dissolved	EPA 200.7	1211269-001	<0.050	4.81	4.83	5.00	mg/L	96	97	<1%
		Gallium, Dissolved	EPA 200.7	1211269-001	<0.100	1.02	1.02	1.00	mg/L	101	101	<1%
		Iron, Dissolved	EPA 200.7	1211269-001	0.288	1.28	1.28	1.00	mg/L	99	99	<1%
		Lithium, Dissolved	EPA 200.7	1211269-001	0.302	1.26	1.26	1.00	mg/L	96	96	<1%
		Magnesium, Dissolved	EPA 200.7	1211269-001	25.4	34.1	34.1	10.0	mg/L	87	87	<1%
		Manganese, Dissolved	EPA 200.7	1211269-001	<0.005	0.949	0.952	1.00	mg/L	96	97	<1%
		Molybdenum, Dissolved	EPA 200.7	1211269-001	<0.010	1.01	1.01	1.00	mg/L	101	101	<1%
		Phosphorus, Dissolved	EPA 200.7	1211269-001	<0.500	5.32	5.31	5.00	mg/L	106	106	<1%
		Potassium, Dissolved	EPA 200.7	1211269-001	21.2	31.2	31.4	10.0	mg/L	100	102	1 %
		Scandium, Dissolved	EPA 200.7	1211269-001	<0.100	1.00	1.00	1.00	mg/L	100	100	<1%
		Silicon, Dissolved	EPA 200.7	1211269-001	18.4	27.6	27.6	10.0	mg/L	92	92	<1%
		Sodium, Dissolved	EPA 200.7	1211269-001	71.5	81.1	81.8	10.0	mg/L	96	103	1 %
		Strontium, Dissolved	EPA 200.7	1211269-001	0.700	1.69	1.70	1.00	mg/L	99	100	1 %
		Tin, Dissolved	EPA 200.7	1211269-001	<0.100	0.961	0.958	1.00	mg/L	100	99	<1%
		Titanium, Dissolved	EPA 200.7	1211269-001	<0.100	1.00	1.01	1.00	mg/L	100	101	1 %
		Vanadium, Dissolved	EPA 200.7	1211269-001	0.020	1.03	1.03	1.00	mg/L	101	101	<1%
		Zinc, Dissolved	EPA 200.7	1211269-001	<0.010	0.977	0.972	1.00	mg/L	98	97	1 %
QC12110657	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1211242-002	18.5	SC 80.0	79.5	0.690	mg/L	NC	NC	NC
QC12110657	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1211269-006	0.809	M 0.887	0.854	0.690	mg/L	NC	NC	NC
QC12110793	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1211308-001	0.273	1.22	1.10	1.00	mg/L	95	83	10 %
QC12110793	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1211335-002	<0.050	0.985	1.00	1.00	mg/L	94	95	2 %
QC12110829	MS 1	Uranium, Dissolved	EPA 200.8	1211269-001	<0.0050	0.0099	0.0099	0.010	mg/L	99	99	<1%
		Mercury, Dissolved	EPA 200.8	1211269-001	<0.00011	0.000907	0.000888	0.001	mg/L	82	80	2 %
		Arsenic, Dissolved	EPA 200.8	1211269-001	0.1942	0.2422	0.2428	0.050	mg/L	96	97	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Beryllium, Dissolved	EPA 200.8	1211269-001	<0.0050	0.0114	0.0116	0.010	mg/L	100	102	2 %
		Cadmium, Dissolved	EPA 200.8	1211269-001	<0.0010	0.0089	0.0089	0.010	mg/L	89	89	<1%
		Chromium, Dissolved	EPA 200.8	1211269-001	<0.0250	<0.0250	<0.0250	0.010	mg/L	95	98	#Erro
		Copper, Dissolved	EPA 200.8	1211269-001	<0.0250	<0.0250	<0.0250	0.010	mg/L	79	85	#Erro
		Lead, Dissolved	EPA 200.8	1211269-001	<0.0025	0.0092	0.0093	0.010	mg/L	90	92	1 %
		Nickel, Dissolved	EPA 200.8	1211269-001	<0.0500	<0.0500	<0.0500	0.010	mg/L	95	93	#Erro
		Selenium, Dissolved	EPA 200.8	1211269-001	<0.0250	0.0423	0.0432	0.050	mg/L	79	81	2 %
		Silver, Dissolved	EPA 200.8	1211269-001	<0.0050	0.0091	0.0090	0.010	mg/L	88	88	1 %
		Thallium, Dissolved	EPA 200.8	1211269-001	<0.0010	0.0092	0.0091	0.010	mg/L	92	92	1 %

12/4/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Jim Defilippi

OrderID: 1211340

Dear: Jim Defilippi

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 11/19/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1211340

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Aluminum on samples 1211340-001 and 002 as well as Silicon on sample 1211340-002 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1211340-001 Mercury

1211340-002 Mercury

1211340-003 Mercury

1211340-004 Cadmium, Mercury, Thallium, Selenium

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Jim Defilippi

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 12/4/2012

OrderID: 1211340

Customer Sample ID: 63310, 19 Nov

Collect Date/Time: 11/19/2012 09:00

WETLAB Sample ID: 1211340-001

Receive Date: 11/19/2012 13:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.87	mg/L	0.10	11/27/2012
Cyanate	SM 4500 CNL	5.6	mg/L	0.10	11/28/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.074	mg/L	0.050	11/26/2012
pH	SM 4500-H+ B	8.47	pH Units		11/19/2012
Trace Metals Digestion	EPA 200.2	Complete			11/21/2012
Acidity (Titrimetric)	SM 2310B	-74	mg/L as CaCO3		11/20/2012
Bicarbonate (HCO3)	SM 2320B	430	mg/L	1.0	11/19/2012
Carbonate (CO3)	SM 2320B	8.8	mg/L	1.0	11/19/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/19/2012
Total Alkalinity	SM 2320B	370	mg/L as CaCO3	1.0	11/19/2012
Redox Potential	SM 2580B	240	mV		11/19/2012
Chloride	EPA 300.0	85	mg/L	1.0	11/20/2012
Fluoride	EPA 300.0	1.9	mg/L	1.0	11/20/2012
Sulfate	EPA 300.0	1000	mg/L	10	11/20/2012
Nitrate Nitrogen	EPA 300.0	1.3	mg/L	1.0	11/20/2012
Nitrite Nitrogen	EPA 300.0	3.9	mg/L	0.25	11/20/2012
Total Kjeldahl Nitrogen	EPA 351.2	0.98	mg/L	0.10	12/3/2012
Total Nitrogen	Calc.	6.1	mg/L	0.070	12/3/2012
Total Cyanide	SM 4500CNC	0.18	mg/L	0.050	11/20/2012
Total Dissolved Solids (TDS)	SM 2540C	2100	mg/L	10	11/20/2012
WAD Cyanide	SM 4500CNI	0.022	mg/L	0.010	11/30/2012
Electrical Conductivity	SM 2510B	3300	µmhos/cm	1	11/28/2012
Aluminum	EPA 200.7	1.0	M mg/L	0.045	11/26/2012
Antimony	EPA 200.7	0.73	mg/L	0.030	11/26/2012
Barium	EPA 200.7	0.024	mg/L	0.010	11/26/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/26/2012
Boron	EPA 200.7	0.09	mg/L	0.020	11/26/2012

Customer Sample ID: 63310, 19 Nov

Collect Date/Time: 11/19/2012 09:00

WETLAB Sample ID: 1211340-001

Receive Date: 11/19/2012 13:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium	EPA 200.7	10	mg/L	0.50	11/26/2012
Cobalt	EPA 200.7	0.012	mg/L	0.010	11/26/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/26/2012
Iron	EPA 200.7	0.59	mg/L	0.010	11/26/2012
Lithium	EPA 200.7	0.02	mg/L	0.020	11/26/2012
Magnesium	EPA 200.7	1.3	mg/L	0.50	11/26/2012
Manganese	EPA 200.7	0.017	mg/L	0.0050	11/26/2012
Molybdenum	EPA 200.7	0.010	mg/L	0.0050	11/26/2012
Phosphorus	EPA 200.7	0.18	mg/L	0.10	11/26/2012
Potassium	EPA 200.7	7.6	mg/L	0.50	11/26/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	11/26/2012
Silicon	EPA 200.7	16	mg/L	0.10	11/26/2012
Sodium	EPA 200.7	840	SC mg/L	5.0	11/26/2012
Strontium	EPA 200.7	0.26	mg/L	0.10	11/26/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/26/2012
Titanium	EPA 200.7	0.02	mg/L	0.0050	11/26/2012
Vanadium	EPA 200.7	0.017	mg/L	0.010	11/26/2012
Zinc	EPA 200.7	0.022	mg/L	0.010	11/26/2012
Mercury	EPA 200.8	0.0009	mg/L	0.0007	11/26/2012
Arsenic	EPA 200.8	3.4	SC mg/L	0.050	11/26/2012
Beryllium	EPA 200.8	<0.0004	mg/L	0.0004	11/27/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/21/2012
Chromium	EPA 200.8	0.0011	mg/L	0.0010	11/27/2012
Copper	EPA 200.8	0.16	SC mg/L	0.010	11/21/2012
Lead	EPA 200.8	0.081	mg/L	0.0025	11/21/2012
Nickel	EPA 200.8	0.002	mg/L	0.0020	11/27/2012
Selenium	EPA 200.8	0.0072	mg/L	0.0050	11/21/2012
Silver	EPA 200.8	0.0005	mg/L	0.0005	11/27/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/21/2012
Uranium	EPA 200.8	0.24	mg/L	0.050	11/26/2012

Customer Sample ID: 63313, 19 Nov

Collect Date/Time: 11/19/2012 09:00

WETLAB Sample ID: 1211340-002

Receive Date: 11/19/2012 13:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	3.4	mg/L	0.10	11/27/2012
Cyanate	SM 4500 CNL	1.3	mg/L	0.10	11/28/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.087	mg/L	0.050	11/26/2012

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Customer Sample ID: 63313, 19 Nov

Collect Date/Time: 11/19/2012 09:00

WETLAB Sample ID: 1211340-002

Receive Date: 11/19/2012 13:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	8.62	pH Units		11/19/2012
Trace Metals Digestion	EPA 200.2	Complete			11/21/2012
Acidity (Titrimetric)	SM 2310B	-76	mg/L as CaCO3		11/20/2012
Bicarbonate (HCO3)	SM 2320B	540	mg/L	1.0	11/19/2012
Carbonate (CO3)	SM 2320B	20	mg/L	1.0	11/19/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/19/2012
Total Alkalinity	SM 2320B	480	mg/L as CaCO3	1.0	11/19/2012
Redox Potential	SM 2580B	220	mV		11/19/2012
Chloride	EPA 300.0	79	mg/L	1.0	11/20/2012
Fluoride	EPA 300.0	1.8	mg/L	1.0	11/20/2012
Sulfate	EPA 300.0	850	mg/L	10	11/20/2012
Nitrate Nitrogen	EPA 300.0	2.9	mg/L	1.0	11/20/2012
Nitrite Nitrogen	EPA 300.0	15	mg/L	0.25	11/20/2012
Total Kjeldahl Nitrogen	EPA 351.2	2.0	mg/L	0.20	12/3/2012
Total Nitrogen	Calc.	20	mg/L	0.070	12/3/2012
Total Cyanide	SM 4500CNC	0.20	mg/L	0.050	11/20/2012
Total Dissolved Solids (TDS)	SM 2540C	2000	mg/L	10	11/20/2012
WAD Cyanide	SM 4500CNI	0.024	mg/L	0.010	11/30/2012
Electrical Conductivity	SM 2510B	3200	µmhos/cm	1	11/28/2012
Aluminum	EPA 200.7	2.4	M mg/L	0.045	11/26/2012
Antimony	EPA 200.7	0.69	mg/L	0.030	11/26/2012
Barium	EPA 200.7	0.030	mg/L	0.010	11/26/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/26/2012
Boron	EPA 200.7	0.09	mg/L	0.020	11/26/2012
Calcium	EPA 200.7	8.7	mg/L	0.50	11/26/2012
Cobalt	EPA 200.7	0.015	mg/L	0.010	11/26/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/26/2012
Iron	EPA 200.7	2.2	mg/L	0.010	11/26/2012
Lithium	EPA 200.7	0.02	mg/L	0.020	11/26/2012
Magnesium	EPA 200.7	1.4	mg/L	0.50	11/26/2012
Manganese	EPA 200.7	0.041	mg/L	0.0050	11/26/2012
Molybdenum	EPA 200.7	0.010	mg/L	0.0050	11/26/2012
Phosphorus	EPA 200.7	0.26	mg/L	0.10	11/26/2012
Potassium	EPA 200.7	7.9	mg/L	0.50	11/26/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	11/26/2012
Silicon	EPA 200.7	18	M mg/L	0.10	11/26/2012
Sodium	EPA 200.7	780	SC mg/L	5.0	11/26/2012
Strontium	EPA 200.7	0.22	mg/L	0.10	11/26/2012

Customer Sample ID: 63313, 19 Nov

Collect Date/Time: 11/19/2012 09:00

WETLAB Sample ID: 1211340-002

Receive Date: 11/19/2012 13:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Tin	EPA 200.7	<0.010	mg/L	0.010	11/26/2012
Titanium	EPA 200.7	0.03	mg/L	0.0050	11/26/2012
Vanadium	EPA 200.7	0.027	mg/L	0.010	11/26/2012
Zinc	EPA 200.7	0.035	mg/L	0.010	11/26/2012
Mercury	EPA 200.8	0.0007	mg/L	0.0007	11/26/2012
Arsenic	EPA 200.8	4.2 SC	mg/L	0.050	11/26/2012
Beryllium	EPA 200.8	0.0005	mg/L	0.0004	11/27/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/21/2012
Chromium	EPA 200.8	0.0021	mg/L	0.0010	11/27/2012
Copper	EPA 200.8	0.12 SC	mg/L	0.050	11/27/2012
Lead	EPA 200.8	0.16 SC	mg/L	0.025	11/26/2012
Nickel	EPA 200.8	0.005	mg/L	0.0020	11/27/2012
Selenium	EPA 200.8	0.0080	mg/L	0.0050	11/21/2012
Silver	EPA 200.8	<0.0005	mg/L	0.0005	11/27/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/26/2012
Uranium	EPA 200.8	0.16 SC	mg/L	0.050	11/26/2012

Customer Sample ID: 63316, 19 Nov

Collect Date/Time: 11/19/2012 09:00

WETLAB Sample ID: 1211340-003

Receive Date: 11/19/2012 13:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	7.1	mg/L	0.10	11/28/2012
Thiocyanate	SM 4500 CNM	2.7	mg/L	0.10	11/27/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	5.1	mg/L	1.2	11/26/2012
pH	SM 4500-H+ B	8.54	pH Units		11/19/2012
Trace Metals Digestion	EPA 200.2	Complete			11/21/2012
Acidity (Titrimetric)	SM 2310B	-83	mg/L as CaCO3		11/20/2012
Bicarbonate (HCO3)	SM 2320B	530	mg/L	1.0	11/19/2012
Carbonate (CO3)	SM 2320B	14	mg/L	1.0	11/19/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/19/2012
Total Alkalinity	SM 2320B	460	mg/L as CaCO3	1.0	11/19/2012
Redox Potential	SM 2580B	280	mV		11/19/2012
Chloride	EPA 300.0	85	mg/L	1.0	11/20/2012
Fluoride	EPA 300.0	1.6	mg/L	1.0	11/20/2012
Sulfate	EPA 300.0	1200	mg/L	10	11/20/2012
Nitrate Nitrogen	EPA 300.0	20	mg/L	1.0	11/20/2012
Nitrite Nitrogen	EPA 300.0	39	mg/L	0.25	11/20/2012
Total Kjeldahl Nitrogen	EPA 351.2	1.4	mg/L	0.10	12/3/2012

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Customer Sample ID: 63316, 19 Nov

Collect Date/Time: 11/19/2012 09:00

WETLAB Sample ID: 1211340-003

Receive Date: 11/19/2012 13:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Nitrogen	Calc.	60	mg/L	0.070	12/3/2012
Total Cyanide	SM 4500CNC	0.27	mg/L	0.050	11/20/2012
Total Dissolved Solids (TDS)	SM 2540C	2600	mg/L	10	11/20/2012
WAD Cyanide	SM 4500CNI	0.030	mg/L	0.010	11/30/2012
Electrical Conductivity	SM 2510B	4200	µmhos/cm	1	11/28/2012
Aluminum	EPA 200.7	0.64	mg/L	0.045	11/26/2012
Antimony	EPA 200.7	0.65	mg/L	0.030	11/26/2012
Barium	EPA 200.7	0.023	mg/L	0.010	11/26/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/26/2012
Boron	EPA 200.7	0.08	mg/L	0.020	11/26/2012
Calcium	EPA 200.7	8.9	mg/L	0.50	11/26/2012
Cobalt	EPA 200.7	0.047	mg/L	0.010	11/26/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/26/2012
Iron	EPA 200.7	0.35	mg/L	0.010	11/26/2012
Lithium	EPA 200.7	0.02	mg/L	0.020	11/26/2012
Magnesium	EPA 200.7	1.3	mg/L	0.50	11/26/2012
Manganese	EPA 200.7	0.010	mg/L	0.0050	11/26/2012
Molybdenum	EPA 200.7	0.026	mg/L	0.0050	11/26/2012
Phosphorus	EPA 200.7	0.26	mg/L	0.10	11/26/2012
Potassium	EPA 200.7	13	mg/L	0.50	11/26/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	11/26/2012
Silicon	EPA 200.7	12	mg/L	0.10	11/26/2012
Sodium	EPA 200.7	1000	mg/L	5.0	11/26/2012
Strontium	EPA 200.7	0.28	mg/L	0.10	11/26/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/26/2012
Titanium	EPA 200.7	0.01	mg/L	0.0050	11/26/2012
Vanadium	EPA 200.7	0.017	mg/L	0.010	11/26/2012
Zinc	EPA 200.7	0.015	mg/L	0.010	11/26/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	11/26/2012
Arsenic	EPA 200.8	2.7	mg/L	0.050	11/26/2012
Beryllium	EPA 200.8	<0.0004	mg/L	0.0004	11/27/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/21/2012
Chromium	EPA 200.8	<0.0010	mg/L	0.0010	11/27/2012
Copper	EPA 200.8	0.058	mg/L	0.050	11/27/2012
Lead	EPA 200.8	0.065	mg/L	0.025	11/26/2012
Nickel	EPA 200.8	<0.0020	mg/L	0.0020	11/27/2012
Selenium	EPA 200.8	0.0066	mg/L	0.0050	11/21/2012
Silver	EPA 200.8	<0.0005	mg/L	0.0005	11/27/2012

Customer Sample ID: 63316, 19 Nov

Collect Date/Time: 11/19/2012 09:00

WETLAB Sample ID: 1211340-003

Receive Date: 11/19/2012 13:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/26/2012
Uranium	EPA 200.8	0.23	mg/L	0.050	11/26/2012

Customer Sample ID: 63322, 19 Nov

Collect Date/Time: 11/19/2012 09:00

WETLAB Sample ID: 1211340-004

Receive Date: 11/19/2012 13:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	13	mg/L	0.10	11/28/2012
Thiocyanate	SM 4500 CNM	5.3	mg/L	0.10	11/27/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	6.2	mg/L	1.2	11/26/2012
pH	SM 4500-H+ B	8.78	pH Units		11/19/2012
Trace Metals Digestion	EPA 200.2	Complete			11/21/2012
Acidity (Titrimetric)	SM 2310B	-124	mg/L as CaCO3		11/20/2012
Bicarbonate (HCO3)	SM 2320B	670	mg/L	1.0	11/19/2012
Carbonate (CO3)	SM 2320B	44	mg/L	1.0	11/19/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/19/2012
Total Alkalinity	SM 2320B	620	mg/L as CaCO3	1.0	11/19/2012
Redox Potential	SM 2580B	200	mV		11/19/2012
Chloride	EPA 300.0	130	mg/L	1.0	11/20/2012
Fluoride	EPA 300.0	1.3	mg/L	1.0	11/20/2012
Sulfate	EPA 300.0	1100	mg/L	10	11/20/2012
Nitrate Nitrogen	EPA 300.0	15	mg/L	1.0	11/20/2012
Nitrite Nitrogen	EPA 300.0	0.86	mg/L	0.25	11/20/2012
Total Kjeldahl Nitrogen	EPA 351.2	7.5	SC mg/L	1.0	12/3/2012
Total Nitrogen	Calc.	23	mg/L	0.070	12/3/2012
Total Cyanide	SM 4500CNC	0.14	mg/L	0.010	11/21/2012
Total Dissolved Solids (TDS)	SM 2540C	2600	mg/L	10	11/20/2012
WAD Cyanide	SM 4500CNI	0.033	mg/L	0.010	11/30/2012
Electrical Conductivity	SM 2510B	4200	µmhos/cm	1	11/28/2012
Aluminum	EPA 200.7	0.54	mg/L	0.045	11/26/2012
Antimony	EPA 200.7	0.42	mg/L	0.030	11/26/2012
Barium	EPA 200.7	0.024	mg/L	0.010	11/26/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/26/2012
Boron	EPA 200.7	0.18	mg/L	0.020	11/26/2012
Calcium	EPA 200.7	10	mg/L	0.50	11/26/2012
Cobalt	EPA 200.7	0.024	mg/L	0.010	11/26/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/26/2012
Iron	EPA 200.7	0.26	mg/L	0.010	11/26/2012

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Customer Sample ID: 63322, 19 Nov

Collect Date/Time: 11/19/2012 09:00

WETLAB Sample ID: 1211340-004

Receive Date: 11/19/2012 13:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Lithium	EPA 200.7	0.17	mg/L	0.020	11/26/2012
Magnesium	EPA 200.7	3.1	mg/L	0.50	11/26/2012
Manganese	EPA 200.7	0.0068	mg/L	0.0050	11/26/2012
Molybdenum	EPA 200.7	0.014	mg/L	0.0050	11/26/2012
Phosphorus	EPA 200.7	0.26	mg/L	0.10	11/26/2012
Potassium	EPA 200.7	11	mg/L	0.50	11/26/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	11/26/2012
Silicon	EPA 200.7	13	mg/L	0.10	11/26/2012
Sodium	EPA 200.7	1000	mg/L	5.0	11/26/2012
Strontium	EPA 200.7	0.33	mg/L	0.10	11/26/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/26/2012
Titanium	EPA 200.7	0.01	mg/L	0.0050	11/26/2012
Vanadium	EPA 200.7	0.018	mg/L	0.010	11/26/2012
Zinc	EPA 200.7	0.016	mg/L	0.010	11/26/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	11/26/2012
Arsenic	EPA 200.8	2.7	mg/L	0.050	11/26/2012
Beryllium	EPA 200.8	<0.0004	mg/L	0.0004	11/27/2012
Cadmium	EPA 200.8	<0.0020	mg/L	0.0020	11/26/2012
Chromium	EPA 200.8	<0.0010	mg/L	0.0010	11/27/2012
Copper	EPA 200.8	0.10	mg/L	0.050	11/27/2012
Lead	EPA 200.8	0.071	mg/L	0.025	11/26/2012
Nickel	EPA 200.8	<0.0020	mg/L	0.0020	11/27/2012
Selenium	EPA 200.8	<0.020	mg/L	0.020	11/26/2012
Silver	EPA 200.8	0.0006	mg/L	0.0005	11/27/2012
Thallium	EPA 200.8	<0.0020	mg/L	0.0020	11/26/2012
Uranium	EPA 200.8	0.18	mg/L	0.050	11/26/2012

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12110635	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12110635	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12110635	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12110637	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12110637	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12110637	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12110638	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110638	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110640	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110640	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110642	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12110642	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12110642	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12110658	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110658	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110711	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110711	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110723	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Beryllium	EPA 200.8	<0.0010	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.010	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
		Mercury	EPA 200.8	<0.00010	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Beryllium	EPA 200.8	<0.0010	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
QC12110724	Blank 1	Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.010	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
		Aluminum	EPA 200.7	<0.045	mg/L
		Antimony	EPA 200.7	<0.030	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
QC12110754	Blank 1				

QCBatchID	QCType	Parameter	Method	Result	Units
QC12110757	Blank 1	Cobalt	EPA 200.7	<0.010	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
		Aluminum	EPA 200.7	<0.045	mg/L
		Antimony	EPA 200.7	<0.030	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12110761	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110761	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110761	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110793	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110793	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110793	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110884	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12110914	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110914	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110921	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12110921	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12110949	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12110949	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units		
QC12110949	Blank 3	WAD Cyanide	SM 4500CNI	<0.010	mg/L		
QC12120036	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L		
QC12120036	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L		
QC12120036	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L		
QC12120037	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L		
QC12120037	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L		

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12110633	LCS 1	Redox Potential	SM 2580B	220	221	99	mV
QC12110635	LCS 1	Fluoride	EPA 300.0	1.88	2.00	94	mg/L
QC12110637	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12110638	LCS 1	Nitrite Nitrogen	EPA 300.0	0.547	0.500	109	mg/L
QC12110640	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	2.00	101	mg/L
QC12110642	LCS 1	Sulfate	EPA 300.0	24.2	25.0	97	mg/L
QC12110643	LCS 1	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC12110643	LCS 2	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC12110643	LCS 3	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12110645	LCS 1	Total Alkalinity	SM 2320B	102	100	102	mg/L
QC12110645	LCS 2	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC12110645	LCS 3	Total Alkalinity	SM 2320B	99.5	100	99	mg/L
QC12110645	LCS 4	Total Alkalinity	SM 2320B	99.9	100	100	mg/L
QC12110658	LCS 1	Total Cyanide	SM 4500CNC	0.098	0.100	98	mg/L
QC12110711	LCS 1	Total Cyanide	SM 4500CNC	0.105	0.100	105	mg/L
QC12110723	LCS 1	Mercury	EPA 200.8	0.000933	0.001	93	mg/L
		Arsenic	EPA 200.8	0.0495	0.050	99	mg/L
		Beryllium	EPA 200.8	0.0095	0.010	95	mg/L
		Cadmium	EPA 200.8	0.0097	0.010	97	mg/L
		Chromium	EPA 200.8	0.0093	0.010	93	mg/L
		Copper	EPA 200.8	0.0092	0.010	92	mg/L
		Lead	EPA 200.8	0.0094	0.010	94	mg/L
		Nickel	EPA 200.8	<0.0100	0.010	97	mg/L
		Selenium	EPA 200.8	0.0465	0.050	93	mg/L
		Silver	EPA 200.8	0.0096	0.010	96	mg/L
		Thallium	EPA 200.8	0.0095	0.010	95	mg/L
		Uranium	EPA 200.8	0.0093	0.010	92	mg/L
		Mercury	EPA 200.8	0.000933	0.001	93	mg/L
		Arsenic	EPA 200.8	0.0495	0.050	99	mg/L
		Beryllium	EPA 200.8	0.0095	0.010	95	mg/L
		Cadmium	EPA 200.8	0.0097	0.010	97	mg/L
		Chromium	EPA 200.8	0.0093	0.010	93	mg/L
		Copper	EPA 200.8	0.0092	0.010	92	mg/L
		Lead	EPA 200.8	0.0094	0.010	94	mg/L
		Nickel	EPA 200.8	<0.0100	0.010	97	mg/L
		Selenium	EPA 200.8	0.0465	0.050	93	mg/L
		Silver	EPA 200.8	0.0096	0.010	96	mg/L
		Thallium	EPA 200.8	0.0095	0.010	95	mg/L
		Uranium	EPA 200.8	0.0093	0.010	92	mg/L
QC12110724	LCS 1	Mercury	EPA 200.8	0.000933	0.001	93	mg/L
		Arsenic	EPA 200.8	0.0495	0.050	99	mg/L
		Beryllium	EPA 200.8	0.0095	0.010	95	mg/L
		Cadmium	EPA 200.8	0.0097	0.010	97	mg/L
		Chromium	EPA 200.8	0.0093	0.010	93	mg/L
		Copper	EPA 200.8	0.0092	0.010	92	mg/L
		Lead	EPA 200.8	0.0094	0.010	94	mg/L
		Nickel	EPA 200.8	<0.0100	0.010	97	mg/L
		Selenium	EPA 200.8	0.0465	0.050	93	mg/L
		Silver	EPA 200.8	0.0096	0.010	96	mg/L
		Thallium	EPA 200.8	0.0095	0.010	95	mg/L
		Uranium	EPA 200.8	0.0093	0.010	92	mg/L
QC12110754	LCS 1	Aluminum	EPA 200.7	0.967	1.00	97	mg/L
		Antimony	EPA 200.7	1.07	1.00	107	mg/L
		Barium	EPA 200.7	0.953	1.00	95	mg/L
		Bismuth	EPA 200.7	1.02	1.00	102	mg/L
		Boron	EPA 200.7	0.922	1.00	92	mg/L
		Calcium	EPA 200.7	9.50	10.0	95	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC12110757	LCS 1	Cobalt	EPA 200.7	0.962	1.00	96	mg/L	
		Gallium	EPA 200.7	0.973	1.00	97	mg/L	
		Iron	EPA 200.7	0.943	1.00	94	mg/L	
		Lithium	EPA 200.7	0.970	1.00	97	mg/L	
		Magnesium	EPA 200.7	9.44	10.0	94	mg/L	
		Manganese	EPA 200.7	0.975	1.00	98	mg/L	
		Molybdenum	EPA 200.7	0.956	1.00	96	mg/L	
		Phosphorus	EPA 200.7	4.88	5.00	98	mg/L	
		Potassium	EPA 200.7	9.71	10.0	97	mg/L	
		Scandium	EPA 200.7	0.948	1.00	95	mg/L	
		Silicon	EPA 200.7	9.20	10.0	92	mg/L	
		Sodium	EPA 200.7	10.1	10.0	101	mg/L	
		Strontium	EPA 200.7	0.944	1.00	94	mg/L	
		Tin	EPA 200.7	0.962	1.00	96	mg/L	
		Titanium	EPA 200.7	0.973	1.00	97	mg/L	
		Vanadium	EPA 200.7	0.949	1.00	95	mg/L	
		Zinc	EPA 200.7	0.958	1.00	96	mg/L	
		Aluminum	EPA 200.7	0.967	1.00	97	mg/L	
		Antimony	EPA 200.7	1.07	1.00	107	mg/L	
		Barium	EPA 200.7	0.953	1.00	95	mg/L	
		Bismuth	EPA 200.7	1.02	1.00	102	mg/L	
		Boron	EPA 200.7	0.922	1.00	92	mg/L	
		Calcium	EPA 200.7	9.50	10.0	95	mg/L	
		Cobalt	EPA 200.7	0.962	1.00	96	mg/L	
		Gallium	EPA 200.7	0.973	1.00	97	mg/L	
		Iron	EPA 200.7	0.943	1.00	94	mg/L	
		Lithium	EPA 200.7	0.970	1.00	97	mg/L	
		Magnesium	EPA 200.7	9.44	10.0	94	mg/L	
		Manganese	EPA 200.7	0.975	1.00	98	mg/L	
		Molybdenum	EPA 200.7	0.956	1.00	96	mg/L	
		Phosphorus	EPA 200.7	4.88	5.00	98	mg/L	
		Potassium	EPA 200.7	9.71	10.0	97	mg/L	
		Scandium	EPA 200.7	0.948	1.00	95	mg/L	
		Silicon	EPA 200.7	9.20	10.0	92	mg/L	
		Sodium	EPA 200.7	10.1	10.0	101	mg/L	
		Strontium	EPA 200.7	0.944	1.00	94	mg/L	
		Tin	EPA 200.7	0.962	1.00	96	mg/L	
		Titanium	EPA 200.7	0.973	1.00	97	mg/L	
		Vanadium	EPA 200.7	0.949	1.00	95	mg/L	
		Zinc	EPA 200.7	0.958	1.00	96	mg/L	
QC12110761	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	137	150	92	mg/L	
QC12110761	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	144	150	96	mg/L	
QC12110761	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	144	150	96	mg/L	
QC12110793	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.853	1.00	85	mg/L	
QC12110884	LCS 1	Electrical Conductivity	SM 2510B	1438	1412	102	µmhos/cm	
QC12110914	LCS 1	Cyanate	SM 4500 CNL	1.03	1.00	103	mg/L	
QC12110949	LCS 1	WAD Cyanide	SM 4500CNI	0.090	0.100	90	mg/L	
QC12120036	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.646	0.690	94	mg/L	
QC12120037	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.622	0.690	90	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12110633	Duplicate	Redox Potential	SM 2580B	1211340-001	241	231	mV	4 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12110643	Duplicate	pH	SM 4500-H+ B	1211338-001	7.48	2.66	pH Units	95 %
QC12110643	Duplicate	pH	SM 4500-H+ B	1211341-003	6.09	5.47	Q pH Units	11 %
QC12110643	Duplicate	pH	SM 4500-H+ B	1211341-009	6.61	6.58	pH Units	<1%
QC12110643	Duplicate	pH	SM 4500-H+ B	1211342-003	6.43	6.34	Q pH Units	1 %
QC12110643	Duplicate	pH	SM 4500-H+ B	1211349-007	7.55	7.58	pH Units	<1%
QC12110645	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211338-001	152	152	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1211338-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211338-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211338-001	124	125	mg/L as CaCO3	<1%
QC12110645	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211341-003	1.63	1.16	Q mg/L	34 %
		Carbonate (CO3)	SM 2320B	1211341-003	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211341-003	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211341-003	1.34	<1.000	Q mg/L as CaCO3	34 %
QC12110645	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211341-009	3.83	3.48	mg/L	10 %
		Carbonate (CO3)	SM 2320B	1211341-009	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211341-009	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211341-009	3.14	2.85	mg/L as CaCO3	10 %
QC12110645	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211342-003	2.43	2.57	mg/L	6 %
		Carbonate (CO3)	SM 2320B	1211342-003	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211342-003	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211342-003	1.99	2.11	mg/L as CaCO3	6 %
QC12110645	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211349-007	87.5	87.9	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1211349-007	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211349-007	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211349-007	71.8	72.1	mg/L as CaCO3	<1%
QC12110680	Duplicate	Acidity (Titrimetric)	SM 2310B	1211252-004	303	298	mg/L as CaCO3	2 %
QC12110680	Duplicate	Acidity (Titrimetric)	SM 2310B	1211202-011	22.0	22.0	mg/L as CaCO3	<1%
QC12110761	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211252-001	134	134	mg/L	<1%
QC12110761	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211286-001	65.0	56.0	mg/L	15 %
QC12110761	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211301-001	730	727	mg/L	<1%
QC12110761	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211325-004	134	147	Q mg/L	9 %
QC12110761	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211328-005	453	453	mg/L	<1%
QC12110884	Duplicate	Electrical Conductivity	SM 2510B	1211340-001	3310	3350	μmhos/cm	1 %
QC12110914	Duplicate	Cyanate	SM 4500 CNL	1211413-003	4.58	2.36	Q mg/L	64 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12110635	MS 1	Fluoride	EPA 300.0	1211269-008	0.754	2.39	2.43	2.00	mg/L	82	84	2 %
QC12110635	MS 2	Fluoride	EPA 300.0	1211338-001	0.170	1.86	1.91	2.00	mg/L	85	87	3 %
QC12110637	MS 1	Chloride	EPA 300.0	1211269-008	20.0	24.7	25.1	5.00	mg/L	95	102	2 %
QC12110637	MS 2	Chloride	EPA 300.0	1211338-001	16.9	21.5	21.6	5.00	mg/L	91	94	<1%
QC12110638	MS 1	Nitrite Nitrogen	EPA 300.0	1211336-002	<0.250	5.64	5.68	0.500	mg/L	109	109	1 %
QC12110640	MS 1	Nitrate Nitrogen	EPA 300.0	1211336-002	4.03	25.0	25.2	2.00	mg/L	105	106	1 %
QC12110642	MS 1	Sulfate	EPA 300.0	1211269-008	107	SC 113	114	10.0	mg/L	NC	NC	NC

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12110642	MS 2	Sulfate	EPA 300.0	1211338-001	28.7	37.5	37.7	10.0	mg/L	88	90	1 %
QC12110658	MS 1	Total Cyanide	SM 4500CNC	1211340-001	0.183	0.294	0.286	0.100	mg/L	111	103	3 %
QC12110711	MS 1	Total Cyanide	SM 4500CNC	1211367-001	<0.010	0.100	0.116	0.100	mg/L	100	116	15 %
QC12110723	MS 1	Mercury	EPA 200.8	1211340-001	0.000900	0.001900	0.002000	0.001	mg/L	100	110	5 %
		Arsenic	EPA 200.8	1211340-001	3.3980	SC 3.3246	3.3962	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1211340-001	<0.0004	0.0090	0.0089	0.010	mg/L	87	86	1 %
		Cadmium	EPA 200.8	1211340-001	<0.0002	0.0081	0.0081	0.010	mg/L	80	80	<1%
		Chromium	EPA 200.8	1211340-001	0.0011	0.0104	0.0107	0.010	mg/L	93	96	3 %
		Copper	EPA 200.8	1211340-001	0.1585	SC 0.1533	0.1684	0.010	mg/L	NC	NC	NC
		Lead	EPA 200.8	1211340-001	0.0812	0.0934	0.0976	0.010	mg/L	122	164	4 %
		Nickel	EPA 200.8	1211340-001	0.0023	0.0115	0.0115	0.010	mg/L	92	92	<1%
		Selenium	EPA 200.8	1211340-001	0.0072	0.0590	0.0559	0.050	mg/L	104	97	5 %
		Silver	EPA 200.8	1211340-001	0.0005	0.0092	0.0094	0.010	mg/L	87	89	2 %
		Thallium	EPA 200.8	1211340-001	<0.0002	0.0091	0.0093	0.010	mg/L	91	92	2 %
		Uranium	EPA 200.8	1211340-001	0.2377	0.2472	0.2567	0.010	mg/L	95	190	4 %
QC12110724	MS 1	Mercury	EPA 200.8	1211340-002	0.000700	0.002000	0.002000	0.001	mg/L	130	130	<1%
		Arsenic	EPA 200.8	1211340-002	4.2349	SC 4.3501	4.4357	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1211340-002	0.0005	0.0090	0.0090	0.010	mg/L	85	85	<1%
		Cadmium	EPA 200.8	1211340-002	<0.0002	0.0082	0.0082	0.010	mg/L	80	80	<1%
		Chromium	EPA 200.8	1211340-002	0.0021	0.0114	0.0114	0.010	mg/L	93	93	<1%
		Copper	EPA 200.8	1211340-002	0.1174	SC 0.0639	0.0654	0.010	mg/L	NC	NC	NC
		Lead	EPA 200.8	1211340-002	0.1585	SC 0.1437	0.1498	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1211340-002	0.0048	0.0139	0.0141	0.010	mg/L	91	93	1 %
		Selenium	EPA 200.8	1211340-002	0.0080	0.0559	0.0564	0.050	mg/L	96	97	1 %
		Silver	EPA 200.8	1211340-002	<0.0005	0.0094	0.0093	0.010	mg/L	89	89	1 %
		Thallium	EPA 200.8	1211340-002	<0.0002	0.0094	0.0095	0.010	mg/L	94	95	1 %
		Uranium	EPA 200.8	1211340-002	0.1643	SC 0.1796	0.1860	0.010	mg/L	NC	NC	NC
QC12110754	MS 1	Aluminum	EPA 200.7	1211340-001	1.03	M 2.39	2.39	1.00	mg/L	NC	NC	NC
		Antimony	EPA 200.7	1211340-001	0.730	1.83	1.85	1.00	mg/L	110	112	1 %
		Barium	EPA 200.7	1211340-001	0.024	0.930	0.938	1.00	mg/L	91	91	1 %
		Bismuth	EPA 200.7	1211340-001	<0.075	0.988	0.988	1.00	mg/L	98	98	<1%
		Boron	EPA 200.7	1211340-001	0.085	1.08	1.08	1.00	mg/L	99	99	<1%
		Calcium	EPA 200.7	1211340-001	10.5	19.6	19.9	10.0	mg/L	91	94	2 %
		Cobalt	EPA 200.7	1211340-001	0.012	0.954	0.950	1.00	mg/L	94	94	<1%
		Gallium	EPA 200.7	1211340-001	<0.020	0.932	0.929	1.00	mg/L	93	93	<1%
		Iron	EPA 200.7	1211340-001	0.586	1.54	1.53	1.00	mg/L	95	94	1 %
		Lithium	EPA 200.7	1211340-001	0.023	0.944	0.954	1.00	mg/L	92	93	1 %
		Magnesium	EPA 200.7	1211340-001	1.27	10.4	10.3	10.0	mg/L	91	90	1 %
		Manganese	EPA 200.7	1211340-001	0.017	0.980	0.978	1.00	mg/L	96	96	<1%
		Molybdenum	EPA 200.7	1211340-001	0.010	0.966	0.976	1.00	mg/L	96	97	1 %
		Phosphorus	EPA 200.7	1211340-001	0.183	5.30	5.34	5.00	mg/L	102	103	1 %
		Potassium	EPA 200.7	1211340-001	7.62	17.6	17.5	10.0	mg/L	100	99	1 %
		Scandium	EPA 200.7	1211340-001	<0.001	0.956	0.954	1.00	mg/L	96	95	<1%
		Silicon	EPA 200.7	1211340-001	15.5	25.3	25.3	10.0	mg/L	98	98	<1%
		Sodium	EPA 200.7	1211340-001	836	SC 826	814	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1211340-001	0.262	1.17	1.19	1.00	mg/L	91	93	2 %
		Tin	EPA 200.7	1211340-001	<0.010	0.969	0.981	1.00	mg/L	98	99	1 %
		Titanium	EPA 200.7	1211340-001	0.019	0.992	0.995	1.00	mg/L	97	98	<1%
		Vanadium	EPA 200.7	1211340-001	0.017	0.982	0.978	1.00	mg/L	96	96	<1%
		Zinc	EPA 200.7	1211340-001	0.022	1.01	1.02	1.00	mg/L	99	100	1 %
QC12110757	MS 1	Aluminum	EPA 200.7	1211340-002	2.44	M 6.22	6.27	1.00	mg/L	NC	NC	NC
		Antimony	EPA 200.7	1211340-002	0.694	1.89	1.89	1.00	mg/L	120	120	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Barium	EPA 200.7	1211340-002	0.030	0.958	0.988	1.00	mg/L	93	96	3 %
		Bismuth	EPA 200.7	1211340-002	<0.075	0.999	1.01	1.00	mg/L	98	100	1 %
		Boron	EPA 200.7	1211340-002	0.085	1.09	1.10	1.00	mg/L	100	101	1 %
		Calcium	EPA 200.7	1211340-002	8.67	17.9	18.0	10.0	mg/L	92	93	1 %
		Cobalt	EPA 200.7	1211340-002	0.015	0.979	0.977	1.00	mg/L	96	96	<1%
		Gallium	EPA 200.7	1211340-002	<0.020	0.944	0.946	1.00	mg/L	94	94	<1%
		Iron	EPA 200.7	1211340-002	2.20	3.28	3.30	1.00	mg/L	108	110	1 %
		Lithium	EPA 200.7	1211340-002	0.020	0.936	0.937	1.00	mg/L	92	92	<1%
		Magnesium	EPA 200.7	1211340-002	1.41	10.8	10.8	10.0	mg/L	94	94	<1%
		Manganese	EPA 200.7	1211340-002	0.041	1.01	1.02	1.00	mg/L	97	98	1 %
		Molybdenum	EPA 200.7	1211340-002	0.010	0.998	0.998	1.00	mg/L	99	99	<1%
		Phosphorus	EPA 200.7	1211340-002	0.261	5.51	5.53	5.00	mg/L	105	105	<1%
		Potassium	EPA 200.7	1211340-002	7.87	18.4	18.5	10.0	mg/L	105	106	1 %
		Scandium	EPA 200.7	1211340-002	<0.001	0.963	0.966	1.00	mg/L	96	97	<1%
		Silicon	EPA 200.7	1211340-002	18.5	M 32.7	32.6	10.0	mg/L	NC	NC	NC
		Sodium	EPA 200.7	1211340-002	784	SC 775	787	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1211340-002	0.217	1.13	1.14	1.00	mg/L	91	92	1 %
		Tin	EPA 200.7	1211340-002	<0.010	0.999	0.995	1.00	mg/L	101	100	<1%
		Titanium	EPA 200.7	1211340-002	0.031	1.01	1.01	1.00	mg/L	98	98	<1%
		Vanadium	EPA 200.7	1211340-002	0.027	1.00	1.00	1.00	mg/L	97	97	<1%
		Zinc	EPA 200.7	1211340-002	0.035	1.07	1.07	1.00	mg/L	104	104	<1%
QC12110793	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1211308-001	0.273	1.22	1.10	1.00	mg/L	95	83	10 %
QC12110793	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1211335-002	<0.050	0.985	1.00	1.00	mg/L	94	95	2 %
QC12110921	MS 1	Thiocyanate	SM 4500 CN	1211413-004	2.50	1.84	1.80	0.500	mg/L	118	109	2 %
QC12110949	MS 1	WAD Cyanide	SM 4500CNI	1211356-003	<0.010	0.105	0.100	0.100	mg/L	105	100	5 %
QC12120036	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1211280-007	<0.100	0.692	0.655	0.690	mg/L	93	88	5 %
QC12120036	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1211340-004	7.47	SC 7.77	7.77	0.690	mg/L	NC	NC	NC
QC12120037	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1211413-003	1.23	M 1.86	1.48	0.690	mg/L	NC	NC	NC

12/5/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1211413

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 11/26/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1211413

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Aluminum and Copper on sample 1211413-001 as well as Total Kjeldahl Nitrogen on sample 1211413-003 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1211413-001 Mercury

1211413-002 Mercury

1211413-003 Beryllium, Mercury

1211413-004 Mercury, Selenium

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 12/5/2012

OrderID: 1211413

Customer Sample ID: 63310, 26 Nov

Collect Date/Time: 11/26/2012 08:00

WETLAB Sample ID: 1211413-001

Receive Date: 11/26/2012 10:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	2.4	mg/L	0.10	11/27/2012
Cyanate	SM 4500 CNL	2.8	mg/L	0.10	11/28/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	11/29/2012
pH	SM 4500-H+ B	8.28	pH Units		11/26/2012
Trace Metals Digestion	EPA 200.2	Complete			11/27/2012
Acidity (Titrimetric)	SM 2310B	-83	mg/L as CaCO3		11/29/2012
Bicarbonate (HCO3)	SM 2320B	320	mg/L	1.0	11/26/2012
Carbonate (CO3)	SM 2320B	<1.0	mg/L	1.0	11/26/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/26/2012
Total Alkalinity	SM 2320B	260	mg/L as CaCO3	1.0	11/26/2012
Redox Potential	SM 2580B	210	mV		11/27/2012
Chloride	EPA 300.0	74	mg/L	10	11/26/2012
Fluoride	EPA 300.0	1.7	mg/L	1.0	11/26/2012
Sulfate	EPA 300.0	1100	mg/L	10	11/26/2012
Nitrate Nitrogen	EPA 300.0	0.32	mg/L	0.10	11/26/2012
Nitrite Nitrogen	EPA 300.0	0.28	mg/L	0.25	11/26/2012
Total Kjeldahl Nitrogen	EPA 351.2	1.1	mg/L	0.10	12/3/2012
Total Nitrogen	Calc.	1.7	mg/L	0.070	12/3/2012
Total Cyanide	SM 4500CNC	0.22	mg/L	0.050	11/27/2012
Total Dissolved Solids (TDS)	SM 2540C	2200	mg/L	10	11/27/2012
WAD Cyanide	SM 4500CNI	0.021	mg/L	0.010	11/30/2012
Electrical Conductivity	SM 2510B	3400	µmhos/cm	1	11/29/2012
Aluminum	EPA 200.7	1.3	M mg/L	0.045	11/28/2012
Antimony	EPA 200.7	0.81	mg/L	0.030	11/28/2012
Barium	EPA 200.7	0.028	mg/L	0.010	11/28/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/28/2012
Boron	EPA 200.7	0.075	mg/L	0.020	11/28/2012

Customer Sample ID: 63310, 26 Nov

Collect Date/Time: 11/26/2012 08:00

WETLAB Sample ID: 1211413-001

Receive Date: 11/26/2012 10:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium	EPA 200.7	14	mg/L	0.50	11/28/2012
Cobalt	EPA 200.7	0.0093	mg/L	0.0020	11/28/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/28/2012
Iron	EPA 200.7	0.64	mg/L	0.010	11/28/2012
Lithium	EPA 200.7	0.027	mg/L	0.020	11/28/2012
Magnesium	EPA 200.7	1.4	mg/L	0.50	11/28/2012
Manganese	EPA 200.7	0.024	mg/L	0.0050	11/28/2012
Molybdenum	EPA 200.7	0.011	mg/L	0.0050	11/28/2012
Phosphorus	EPA 200.7	0.13	mg/L	0.10	11/28/2012
Potassium	EPA 200.7	7.6	mg/L	0.50	11/28/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	11/28/2012
Silicon	EPA 200.7	16	mg/L	0.10	11/28/2012
Sodium	EPA 200.7	830	SC mg/L	5.0	11/28/2012
Strontium	EPA 200.7	0.32	mg/L	0.10	11/28/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/28/2012
Titanium	EPA 200.7	0.020	mg/L	0.0050	11/28/2012
Vanadium	EPA 200.7	0.015	mg/L	0.010	11/28/2012
Zinc	EPA 200.7	0.022	mg/L	0.010	11/28/2012
Mercury	EPA 200.8	0.0008	mg/L	0.0007	11/29/2012
Arsenic	EPA 200.8	3.0	SC mg/L	0.25	11/29/2012
Beryllium	EPA 200.8	0.0003	mg/L	0.0002	11/29/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/28/2012
Chromium	EPA 200.8	0.0013	mg/L	0.0010	11/29/2012
Copper	EPA 200.8	0.15	M mg/L	0.0050	11/29/2012
Lead	EPA 200.8	0.14	mg/L	0.025	11/29/2012
Nickel	EPA 200.8	0.0024	mg/L	0.0020	11/29/2012
Selenium	EPA 200.8	0.012	mg/L	0.0020	11/28/2012
Silver	EPA 200.8	<0.0005	mg/L	0.0005	11/29/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/28/2012
Uranium	EPA 200.8	0.19	SC mg/L	0.0050	11/29/2012

Customer Sample ID: 63313, 26 Nov

Collect Date/Time: 11/26/2012 08:00

WETLAB Sample ID: 1211413-002

Receive Date: 11/26/2012 10:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	7.0	mg/L	0.10	11/27/2012
Cyanate	SM 4500 CNL	2.9	mg/L	0.10	11/28/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.13	mg/L	0.050	11/29/2012
pH	SM 4500-H+ B	8.57	pH Units		11/26/2012
Trace Metals Digestion	EPA 200.2	Complete			11/27/2012
Acidity (Titrimetric)	SM 2310B	-47	mg/L as CaCO3		11/29/2012
Bicarbonate (HCO3)	SM 2320B	370	mg/L	1.0	11/26/2012
Carbonate (CO3)	SM 2320B	12	mg/L	1.0	11/26/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/26/2012
Total Alkalinity	SM 2320B	320	mg/L as CaCO3	1.0	11/26/2012
Redox Potential	SM 2580B	100	mV		11/27/2012
Chloride	EPA 300.0	66	mg/L	10	11/26/2012
Fluoride	EPA 300.0	1.8	mg/L	1.0	11/26/2012
Sulfate	EPA 300.0	810	mg/L	10	11/26/2012
Nitrate Nitrogen	EPA 300.0	0.59	mg/L	0.10	11/26/2012
Nitrite Nitrogen	EPA 300.0	3.0	mg/L	0.25	11/26/2012
Total Kjeldahl Nitrogen	EPA 351.2	1.2	mg/L	0.10	12/3/2012
Total Nitrogen	Calc.	4.8	mg/L	0.070	12/3/2012
Total Cyanide	SM 4500CNC	0.20	mg/L	0.050	11/27/2012
Total Dissolved Solids (TDS)	SM 2540C	1700	mg/L	10	11/27/2012
WAD Cyanide	SM 4500CNI	0.021	mg/L	0.010	11/30/2012
Electrical Conductivity	SM 2510B	2800	µmhos/cm	1	11/29/2012
Aluminum	EPA 200.7	1.5	mg/L	0.045	11/28/2012
Antimony	EPA 200.7	0.78	mg/L	0.030	11/28/2012
Barium	EPA 200.7	0.021	mg/L	0.010	11/28/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/28/2012
Boron	EPA 200.7	0.078	mg/L	0.020	11/28/2012
Calcium	EPA 200.7	7.0	mg/L	0.50	11/28/2012
Cobalt	EPA 200.7	0.0084	mg/L	0.0020	11/28/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/28/2012
Iron	EPA 200.7	0.79	mg/L	0.010	11/28/2012
Lithium	EPA 200.7	<0.020	mg/L	0.020	11/28/2012
Magnesium	EPA 200.7	0.83	mg/L	0.50	11/28/2012
Manganese	EPA 200.7	0.023	mg/L	0.0050	11/28/2012
Molybdenum	EPA 200.7	0.0081	mg/L	0.0050	11/28/2012
Phosphorus	EPA 200.7	0.18	mg/L	0.10	11/28/2012
Potassium	EPA 200.7	6.8	mg/L	0.50	11/28/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	11/28/2012

Customer Sample ID: 63313, 26 Nov

Collect Date/Time: 11/26/2012 08:00

WETLAB Sample ID: 1211413-002

Receive Date: 11/26/2012 10:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Silicon	EPA 200.7	16	mg/L	0.10	11/28/2012
Sodium	EPA 200.7	690	mg/L	5.0	11/28/2012
Strontium	EPA 200.7	0.17	mg/L	0.10	11/28/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/28/2012
Titanium	EPA 200.7	0.026	mg/L	0.0050	11/28/2012
Vanadium	EPA 200.7	0.025	mg/L	0.010	11/28/2012
Zinc	EPA 200.7	0.019	mg/L	0.010	11/28/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	11/29/2012
Arsenic	EPA 200.8	4.2	mg/L	0.25	11/29/2012
Beryllium	EPA 200.8	0.0003	mg/L	0.0002	11/29/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/28/2012
Chromium	EPA 200.8	0.0016	mg/L	0.0010	11/29/2012
Copper	EPA 200.8	0.13	mg/L	0.0050	11/29/2012
Lead	EPA 200.8	0.14	mg/L	0.025	11/29/2012
Nickel	EPA 200.8	0.0023	mg/L	0.0020	11/29/2012
Selenium	EPA 200.8	0.014	mg/L	0.0020	11/28/2012
Silver	EPA 200.8	<0.0005	mg/L	0.0005	11/29/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/28/2012
Uranium	EPA 200.8	0.14	mg/L	0.0050	11/28/2012

Customer Sample ID: 63316, 26 Nov

Collect Date/Time: 11/26/2012 08:00

WETLAB Sample ID: 1211413-003

Receive Date: 11/26/2012 10:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	4.6	Q mg/L	0.10	11/28/2012
Thiocyanate	SM 4500 CNM	4.8	mg/L	0.10	11/27/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.46	mg/L	0.050	11/29/2012
pH	SM 4500-H+ B	8.59	pH Units		11/26/2012
Trace Metals Digestion	EPA 200.2	Complete			11/27/2012
Acidity (Titrimetric)	SM 2310B	-116	mg/L as CaCO3		11/29/2012
Bicarbonate (HCO3)	SM 2320B	470	mg/L	1.0	11/26/2012
Carbonate (CO3)	SM 2320B	16	mg/L	1.0	11/26/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/26/2012
Total Alkalinity	SM 2320B	410	mg/L as CaCO3	1.0	11/26/2012
Redox Potential	SM 2580B	180	mV		11/27/2012
Chloride	EPA 300.0	95	mg/L	10	11/26/2012
Fluoride	EPA 300.0	1.4	mg/L	1.0	11/26/2012
Sulfate	EPA 300.0	1300	mg/L	10	11/26/2012
Nitrate Nitrogen	EPA 300.0	2.3	mg/L	0.10	11/26/2012
Nitrite Nitrogen	EPA 300.0	93	mg/L	2.5	11/27/2012
Total Kjeldahl Nitrogen	EPA 351.2	1.2	M mg/L	0.10	12/3/2012
Total Nitrogen	Calc.	96	mg/L	0.070	12/3/2012
Total Cyanide	SM 4500CNC	0.20	mg/L	0.050	11/27/2012
Total Dissolved Solids (TDS)	SM 2540C	3100	mg/L	10	11/27/2012
WAD Cyanide	SM 4500CNI	0.032	mg/L	0.010	11/30/2012
Electrical Conductivity	SM 2510B	4700	µmhos/cm	1	11/29/2012
Aluminum	EPA 200.7	0.37	mg/L	0.045	11/28/2012
Antimony	EPA 200.7	0.52	mg/L	0.030	11/28/2012
Barium	EPA 200.7	0.022	mg/L	0.010	11/28/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/28/2012
Boron	EPA 200.7	0.074	mg/L	0.020	11/28/2012
Calcium	EPA 200.7	10	mg/L	0.50	11/28/2012
Cobalt	EPA 200.7	0.012	mg/L	0.0020	11/28/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/28/2012
Iron	EPA 200.7	0.23	mg/L	0.010	11/28/2012
Lithium	EPA 200.7	0.038	mg/L	0.020	11/28/2012
Magnesium	EPA 200.7	1.7	mg/L	0.50	11/28/2012
Manganese	EPA 200.7	0.0077	mg/L	0.0050	11/28/2012
Molybdenum	EPA 200.7	0.0089	mg/L	0.0050	11/28/2012
Phosphorus	EPA 200.7	0.14	mg/L	0.10	11/28/2012
Potassium	EPA 200.7	14	mg/L	0.50	11/28/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	11/28/2012

Customer Sample ID: 63316, 26 Nov

Collect Date/Time: 11/26/2012 08:00

WETLAB Sample ID: 1211413-003

Receive Date: 11/26/2012 10:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Silicon	EPA 200.7	12	mg/L	0.10	11/28/2012
Sodium	EPA 200.7	1200	mg/L	5.0	11/28/2012
Strontium	EPA 200.7	0.36	mg/L	0.10	11/28/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/28/2012
Titanium	EPA 200.7	0.0062	mg/L	0.0050	11/28/2012
Vanadium	EPA 200.7	0.014	mg/L	0.010	11/28/2012
Zinc	EPA 200.7	<0.010	mg/L	0.010	11/28/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	11/29/2012
Arsenic	EPA 200.8	2.4	mg/L	0.25	11/29/2012
Beryllium	EPA 200.8	<0.0004	mg/L	0.0004	11/29/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	11/28/2012
Chromium	EPA 200.8	0.0011	mg/L	0.0010	11/29/2012
Copper	EPA 200.8	0.19	mg/L	0.0050	11/29/2012
Lead	EPA 200.8	0.033	mg/L	0.0025	11/28/2012
Nickel	EPA 200.8	<0.0020	mg/L	0.0020	11/29/2012
Selenium	EPA 200.8	0.0034	mg/L	0.0020	11/28/2012
Silver	EPA 200.8	<0.0005	mg/L	0.0005	11/29/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/28/2012
Uranium	EPA 200.8	0.23	mg/L	0.050	11/29/2012

Customer Sample ID: 63322, 26 Nov

Collect Date/Time: 11/26/2012 08:00

WETLAB Sample ID: 1211413-004

Receive Date: 11/26/2012 10:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	8.5	mg/L	0.10	11/28/2012
Thiocyanate	SM 4500 CNM	2.5	mg/L	0.10	11/27/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.55	mg/L	0.050	11/29/2012
pH	SM 4500-H+ B	8.75	pH Units		11/26/2012
Trace Metals Digestion	EPA 200.2	Complete			11/27/2012
Acidity (Titrimetric)	SM 2310B	-119	mg/L as CaCO3		11/29/2012
Bicarbonate (HCO3)	SM 2320B	630	mg/L	1.0	11/26/2012
Carbonate (CO3)	SM 2320B	39	mg/L	1.0	11/26/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	11/26/2012
Total Alkalinity	SM 2320B	580	mg/L as CaCO3	1.0	11/26/2012
Redox Potential	SM 2580B	44	mV		11/27/2012
Chloride	EPA 300.0	100	mg/L	10	11/26/2012
Fluoride	EPA 300.0	1.2	mg/L	1.0	11/26/2012
Sulfate	EPA 300.0	1200	mg/L	10	11/26/2012
Nitrate Nitrogen	EPA 300.0	2.0	mg/L	0.10	11/26/2012
Nitrite Nitrogen	EPA 300.0	0.42	mg/L	0.25	11/26/2012
Total Kjeldahl Nitrogen	EPA 351.2	1.8	mg/L	0.10	12/3/2012
Total Nitrogen	Calc.	4.2	mg/L	0.070	12/3/2012
Total Cyanide	SM 4500CNC	0.17	mg/L	0.050	11/27/2012
Total Dissolved Solids (TDS)	SM 2540C	2600	mg/L	10	11/27/2012
WAD Cyanide	SM 4500CNI	0.065	mg/L	0.010	11/30/2012
Electrical Conductivity	SM 2510B	4000	µmhos/cm	1	11/29/2012
Aluminum	EPA 200.7	0.46	mg/L	0.045	11/28/2012
Antimony	EPA 200.7	0.35	mg/L	0.030	11/28/2012
Barium	EPA 200.7	0.024	mg/L	0.010	11/28/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	11/28/2012
Boron	EPA 200.7	0.16	mg/L	0.020	11/28/2012
Calcium	EPA 200.7	8.9	mg/L	0.50	11/28/2012
Cobalt	EPA 200.7	0.010	mg/L	0.0020	11/28/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	11/28/2012
Iron	EPA 200.7	0.24	mg/L	0.010	11/28/2012
Lithium	EPA 200.7	0.17	mg/L	0.020	11/28/2012
Magnesium	EPA 200.7	3.0	mg/L	0.50	11/28/2012
Manganese	EPA 200.7	0.0051	mg/L	0.0050	11/28/2012
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	11/28/2012
Phosphorus	EPA 200.7	0.19	mg/L	0.10	11/28/2012
Potassium	EPA 200.7	12	mg/L	0.50	11/28/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	11/28/2012

Customer Sample ID: 63322, 26 Nov

Collect Date/Time: 11/26/2012 08:00

WETLAB Sample ID: 1211413-004

Receive Date: 11/26/2012 10:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Silicon	EPA 200.7	13	mg/L	0.10	11/28/2012
Sodium	EPA 200.7	1100	mg/L	5.0	11/28/2012
Strontium	EPA 200.7	0.33	mg/L	0.10	11/28/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	11/28/2012
Titanium	EPA 200.7	0.012	mg/L	0.0050	11/28/2012
Vanadium	EPA 200.7	0.017	mg/L	0.010	11/28/2012
Zinc	EPA 200.7	0.011	mg/L	0.010	11/28/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	11/29/2012
Arsenic	EPA 200.8	2.5	mg/L	0.050	11/29/2012
Beryllium	EPA 200.8	0.0002	mg/L	0.0002	11/29/2012
Cadmium	EPA 200.8	<0.0020	mg/L	0.0020	11/28/2012
Chromium	EPA 200.8	0.0015	mg/L	0.0010	11/29/2012
Copper	EPA 200.8	0.076	mg/L	0.050	11/29/2012
Lead	EPA 200.8	0.053	mg/L	0.0025	11/28/2012
Nickel	EPA 200.8	<0.0020	mg/L	0.0020	11/29/2012
Selenium	EPA 200.8	<0.020	mg/L	0.020	11/29/2012
Silver	EPA 200.8	0.0011	mg/L	0.0005	11/29/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	11/28/2012
Uranium	EPA 200.8	0.14	mg/L	0.0050	11/29/2012

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12110776	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12110776	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12110776	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12110779	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12110779	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12110779	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12110781	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110781	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110782	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110782	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12110783	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12110783	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12110783	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12110816	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110816	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12110838	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110838	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110838	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12110861	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Antimony	EPA 200.7	<0.030	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.0100	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.100	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.0100	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.100	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12110874	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Beryllium	EPA 200.8	<0.0010	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.0100	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC12110912	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12110914	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110914	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12110921	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12110921	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12110925	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12110925	Blank 2	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12110925	Blank 3	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12110927	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110927	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110927	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12110980	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12110980	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12110980	Blank 3	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120036	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120036	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120036	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120037	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120037	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12110776	LCS 1	Fluoride	EPA 300.0	2.11	2.00	106	mg/L
QC12110779	LCS 1	Chloride	EPA 300.0	10.4	10.0	104	mg/L
QC12110781	LCS 1	Nitrite Nitrogen	EPA 300.0	0.533	0.500	107	mg/L
QC12110782	LCS 1	Nitrate Nitrogen	EPA 300.0	2.02	2.00	101	mg/L
QC12110783	LCS 1	Sulfate	EPA 300.0	25.0	25.0	100	mg/L
QC12110814	LCS 1	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC12110814	LCS 2	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12110814	LCS 3	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12110814	LCS 4	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12110815	LCS 1	Total Alkalinity	SM 2320B	98.2	100	98	mg/L
QC12110815	LCS 2	Total Alkalinity	SM 2320B	98.7	100	99	mg/L
QC12110815	LCS 3	Total Alkalinity	SM 2320B	98.4	100	98	mg/L
QC12110815	LCS 4	Total Alkalinity	SM 2320B	97.0	100	97	mg/L
QC12110815	LCS 5	Total Alkalinity	SM 2320B	98.3	100	98	mg/L
QC12110815	LCS 6	Total Alkalinity	SM 2320B	96.7	100	97	mg/L
QC12110816	LCS 1	Total Cyanide	SM 4500CNC	0.106	0.100	106	mg/L
QC12110838	LCS 1	Nitrite Nitrogen	EPA 300.0	0.498	0.500	100	mg/L
QC12110840	LCS 1	Redox Potential	SM 2580B	220	221	99	mV
QC12110861	LCS 1	Aluminum	EPA 200.7	0.951	1.00	95	mg/L
		Antimony	EPA 200.7	1.03	1.00	103	mg/L
		Barium	EPA 200.7	0.947	1.00	95	mg/L
		Bismuth	EPA 200.7	1.00	1.00	100	mg/L
		Boron	EPA 200.7	0.917	1.00	92	mg/L
		Calcium	EPA 200.7	9.54	10.0	95	mg/L
		Cobalt	EPA 200.7	0.953	1.00	95	mg/L
		Gallium	EPA 200.7	0.958	1.00	96	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC12110874	LCS 1	Iron	EPA 200.7	0.941	1.00	94	mg/L	
		Lithium	EPA 200.7	0.958	1.00	96	mg/L	
		Magnesium	EPA 200.7	9.18	10.0	92	mg/L	
		Manganese	EPA 200.7	0.953	1.00	95	mg/L	
		Molybdenum	EPA 200.7	0.947	1.00	95	mg/L	
		Phosphorus	EPA 200.7	4.78	5.00	96	mg/L	
		Potassium	EPA 200.7	9.65	10.0	96	mg/L	
		Scandium	EPA 200.7	0.948	1.00	95	mg/L	
		Silicon	EPA 200.7	8.98	10.0	90	mg/L	
		Sodium	EPA 200.7	9.47	10.0	95	mg/L	
		Strontium	EPA 200.7	0.971	1.00	97	mg/L	
		Tin	EPA 200.7	0.924	1.00	92	mg/L	
		Titanium	EPA 200.7	0.950	1.00	95	mg/L	
		Vanadium	EPA 200.7	0.943	1.00	94	mg/L	
		Zinc	EPA 200.7	0.957	1.00	96	mg/L	
		Mercury	EPA 200.8	0.000928	0.001	93	mg/L	
		Arsenic	EPA 200.8	0.0469	0.050	94	mg/L	
		Beryllium	EPA 200.8	0.0099	0.010	99	mg/L	
		Cadmium	EPA 200.8	0.0097	0.010	97	mg/L	
		Chromium	EPA 200.8	0.0100	0.010	100	mg/L	
		Copper	EPA 200.8	0.0088	0.010	88	mg/L	
		Lead	EPA 200.8	0.0098	0.010	98	mg/L	
		Nickel	EPA 200.8	<0.0100	0.010	96	mg/L	
		Selenium	EPA 200.8	0.0462	0.050	92	mg/L	
		Silver	EPA 200.8	0.0088	0.010	88	mg/L	
		Thallium	EPA 200.8	0.0098	0.010	98	mg/L	
		Uranium	EPA 200.8	0.0095	0.010	95	mg/L	
QC12110912	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	157	150	105	mg/L	
QC12110914	LCS 1	Cyanate	SM 4500 CNL	1.03	1.00	103	mg/L	
QC12110925	LCS 1	Electrical Conductivity	SM 2510B	1420	1412	101	µmhos/cm	
QC12110925	LCS 2	Electrical Conductivity	SM 2510B	1407	1412	100	µmhos/cm	
QC12110927	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	1.03	1.00	103	mg/L	
QC12110927	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.819	1.00	82	mg/L	
QC12110980	LCS 1	WAD Cyanide	SM 4500CNI	0.108	0.100	108	mg/L	
QC12120036	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.646	0.690	94	mg/L	
QC12120037	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.622	0.690	90	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12110814	Duplicate	pH	SM 4500-H+ B	1211413-001	8.28	8.29	pH Units	<1%
QC12110814	Duplicate	pH	SM 4500-H+ B	1211424-005	8.11	8.08	pH Units	<1%
QC12110814	Duplicate	pH	SM 4500-H+ B	1211424-015	7.63	7.71	pH Units	1 %
QC12110814	Duplicate	pH	SM 4500-H+ B	1211424-016	7.69	7.75	pH Units	1 %
QC12110814	Duplicate	pH	SM 4500-H+ B	1211425-001	7.17	7.20	pH Units	<1%
QC12110814	Duplicate	pH	SM 4500-H+ B	1211425-003	7.69	7.76	pH Units	1 %
QC12110814	Duplicate	pH	SM 4500-H+ B	1211425-006	7.50	7.54	pH Units	1 %
QC12110814	Duplicate	pH	SM 4500-H+ B	1211422-001	7.88	7.95	pH Units	1 %
QC12110815	Duplicate	Bicarbonate (HCO3)	SM 2320B	1211413-001	315	293	mg/L	7 %
		Carbonate (CO3)	SM 2320B	1211413-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211413-001	<1.000	<1.000	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD	
QC12110815	Duplicate	Total Alkalinity	SM 2320B	1211413-001	258	241	mg/L as CaCO3	7 %	
		Bicarbonate (HCO3)	SM 2320B	1211424-005	309	Q	mg/L	98 %	
		Carbonate (CO3)	SM 2320B	1211424-005	<1.000	<1.000	mg/L	<1%	
		Hydroxide (OH)	SM 2320B	1211424-005	<1.000	<1.000	mg/L	<1%	
QC12110815	Duplicate	Total Alkalinity	SM 2320B	1211424-005	254	Q	mg/L as CaCO3	98 %	
		Bicarbonate (HCO3)	SM 2320B	1211424-015	53.0	53.2	mg/L	<1%	
		Carbonate (CO3)	SM 2320B	1211424-015	<1.000	<1.000	mg/L	<1%	
		Hydroxide (OH)	SM 2320B	1211424-015	<1.000	<1.000	mg/L	<1%	
QC12110815	Duplicate	Total Alkalinity	SM 2320B	1211424-015	43.4	43.6	mg/L as CaCO3	<1%	
		Bicarbonate (HCO3)	SM 2320B	1211424-016	67.5	67.5	mg/L	<1%	
		Carbonate (CO3)	SM 2320B	1211424-016	<1.000	<1.000	mg/L	<1%	
		Hydroxide (OH)	SM 2320B	1211424-016	<1.000	<1.000	mg/L	<1%	
QC12110815	Duplicate	Total Alkalinity	SM 2320B	1211424-016	55.4	55.4	mg/L as CaCO3	<1%	
		Bicarbonate (HCO3)	SM 2320B	1211425-001	20.2	20.0	mg/L	1 %	
		Carbonate (CO3)	SM 2320B	1211425-001	<1.000	<1.000	mg/L	<1%	
		Hydroxide (OH)	SM 2320B	1211425-001	<1.000	<1.000	mg/L	<1%	
QC12110815	Duplicate	Total Alkalinity	SM 2320B	1211425-001	16.6	16.4	mg/L as CaCO3	1 %	
		Bicarbonate (HCO3)	SM 2320B	1211425-003	59.7	59.9	mg/L	<1%	
		Carbonate (CO3)	SM 2320B	1211425-003	<1.000	<1.000	mg/L	<1%	
		Hydroxide (OH)	SM 2320B	1211425-003	<1.000	<1.000	mg/L	<1%	
QC12110815	Duplicate	Total Alkalinity	SM 2320B	1211425-003	49.0	49.1	mg/L as CaCO3	<1%	
		Bicarbonate (HCO3)	SM 2320B	1211425-006	45.3	44.9	mg/L	1 %	
		Carbonate (CO3)	SM 2320B	1211425-006	<1.000	<1.000	mg/L	<1%	
		Hydroxide (OH)	SM 2320B	1211425-006	<1.000	<1.000	mg/L	<1%	
QC12110815	Duplicate	Total Alkalinity	SM 2320B	1211425-006	37.1	36.8	mg/L as CaCO3	1 %	
		Bicarbonate (HCO3)	SM 2320B	1211422-001	94.2	94.2	mg/L	<1%	
		Carbonate (CO3)	SM 2320B	1211422-001	<1.000	<1.000	mg/L	<1%	
		Hydroxide (OH)	SM 2320B	1211422-001	<1.000	<1.000	mg/L	<1%	
QC12110840	Duplicate	Total Alkalinity	SM 2320B	1211422-001	77.2	77.2	mg/L as CaCO3	<1%	
		Redox Potential	SM 2580B	1211427-001	161	154	mV	4 %	
		Redox Potential	SM 2580B	1211427-007	371	371	mV	<1%	
		Total Dissolved Solids (TDS)	SM 2540C	1211413-002	1736	1788	mg/L	3 %	
QC12110914	Duplicate	Cyanate	SM 4500 CNL	1211413-003	4.58	2.36	Q	mg/L	64 %
QC12110925	Duplicate	Electrical Conductivity	SM 2510B	1211413-001	3370	3350		µmhos/cm	1 %
QC12110925	Duplicate	Electrical Conductivity	SM 2510B	1211341-002	9.53	9.50		µmhos/cm	<1%
QC12110925	Duplicate	Electrical Conductivity	SM 2510B	1211341-012	18.8	18.6		µmhos/cm	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12110776	MS 1	Fluoride	EPA 300.0	1211414-001	<0.100	1.78	1.81	2.00	mg/L	87	88	2 %
QC12110776	MS 2	Fluoride	EPA 300.0	1211280-007	<0.100	1.86	1.87	2.00	mg/L	89	89	1 %
QC12110779	MS 1	Chloride	EPA 300.0	1211414-001	1.63	6.21	6.27	5.00	mg/L	92	93	1 %
QC12110779	MS 2	Chloride	EPA 300.0	1211280-007	44.7	SC 48.3	48.7	5.00	mg/L	NC	NC	NC

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12110781	MS 1	Nitrite Nitrogen	EPA 300.0	1211414-001	<0.025	0.549	0.507	0.500	mg/L	106	98	8 %
QC12110782	MS 1	Nitrate Nitrogen	EPA 300.0	1211414-001	<1.000	2.00	2.05	2.00	mg/L	98	101	2 %
QC12110783	MS 1	Sulfate	EPA 300.0	1211240-002	39.5	48.4	48.7	10.0	mg/L	89	92	1 %
QC12110783	MS 2	Sulfate	EPA 300.0	1211414-001	<1.000	10.1	10.2	10.0	mg/L	99	100	1 %
QC12110816	MS 1	Total Cyanide	SM 4500CNC	1211413-001	0.215	0.309	0.302	0.100	mg/L	94	87	2 %
QC12110838	MS 1	Nitrite Nitrogen	EPA 300.0	1211428-002	0.148	0.689	0.663	0.500	mg/L	108	103	4 %
QC12110838	MS 2	Nitrite Nitrogen	EPA 300.0	1211424-006	0.043	0.586	0.557	0.500	mg/L	109	103	5 %
QC12110861	MS 1	Aluminum	EPA 200.7	1211413-001	1.34	M 2.70	2.67	1.00	mg/L	NC	NC	NC
		Antimony	EPA 200.7	1211413-001	0.811	1.94	1.93	1.00	mg/L	113	112	1 %
		Barium	EPA 200.7	1211413-001	0.028	0.965	0.965	1.00	mg/L	94	94	<1%
		Bismuth	EPA 200.7	1211413-001	<0.075	0.996	0.994	1.00	mg/L	98	98	<1%
		Boron	EPA 200.7	1211413-001	0.075	1.06	1.06	1.00	mg/L	98	98	<1%
		Calcium	EPA 200.7	1211413-001	13.7	23.8	23.4	10.0	mg/L	101	97	2 %
		Cobalt	EPA 200.7	1211413-001	0.009	0.943	0.943	1.00	mg/L	93	93	<1%
		Gallium	EPA 200.7	1211413-001	<0.020	0.921	0.918	1.00	mg/L	92	92	<1%
		Iron	EPA 200.7	1211413-001	0.638	1.64	1.62	1.00	mg/L	100	98	1 %
		Lithium	EPA 200.7	1211413-001	0.027	0.964	0.960	1.00	mg/L	94	93	<1%
		Magnesium	EPA 200.7	1211413-001	1.38	10.6	10.6	10.0	mg/L	92	92	<1%
		Manganese	EPA 200.7	1211413-001	0.024	0.959	0.960	1.00	mg/L	94	94	<1%
		Molybdenum	EPA 200.7	1211413-001	0.011	0.973	0.974	1.00	mg/L	96	96	<1%
		Phosphorus	EPA 200.7	1211413-001	0.127	5.20	5.16	5.00	mg/L	101	101	1 %
		Potassium	EPA 200.7	1211413-001	7.58	18.3	18.3	10.0	mg/L	107	107	<1%
		Scandium	EPA 200.7	1211413-001	<0.001	0.961	0.961	1.00	mg/L	96	96	<1%
		Silicon	EPA 200.7	1211413-001	15.6	26.7	26.5	10.0	mg/L	111	109	1 %
		Sodium	EPA 200.7	1211413-001	831	SC 860	848	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1211413-001	0.315	1.31	1.30	1.00	mg/L	100	99	1 %
		Tin	EPA 200.7	1211413-001	<0.010	0.941	0.936	1.00	mg/L	95	95	1 %
		Titanium	EPA 200.7	1211413-001	0.020	0.995	0.994	1.00	mg/L	97	97	<1%
		Vanadium	EPA 200.7	1211413-001	0.015	0.980	0.979	1.00	mg/L	97	96	<1%
		Zinc	EPA 200.7	1211413-001	0.022	1.02	1.01	1.00	mg/L	100	99	1 %
QC12110874	MS 1	Mercury	EPA 200.8	1211413-001	0.000800	0.001700	0.001900	0.001	mg/L	90	110	11 %
		Arsenic	EPA 200.8	1211413-001	3.0361	SC 3.1557	3.0070	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1211413-001	0.0003	0.0104	0.0106	0.010	mg/L	101	103	2 %
		Cadmium	EPA 200.8	1211413-001	<0.0002	0.0083	0.0082	0.010	mg/L	81	80	1 %
		Chromium	EPA 200.8	1211413-001	0.0013	0.1166	0.0116	0.010	mg/L	1153	103	164
		Copper	EPA 200.8	1211413-001	0.1453	M 0.1702	0.1893	0.010	mg/L	NC	NC	NC
		Lead	EPA 200.8	1211413-001	0.1396	0.1523	0.1484	0.010	mg/L	127	88	3 %
		Nickel	EPA 200.8	1211413-001	0.0024	0.0114	0.0115	0.010	mg/L	90	91	1 %
		Selenium	EPA 200.8	1211413-001	0.0117	0.0598	0.0585	0.050	mg/L	96	94	2 %
		Silver	EPA 200.8	1211413-001	<0.0005	0.0087	0.0089	0.010	mg/L	87	89	2 %
		Thallium	EPA 200.8	1211413-001	<0.0002	0.0094	0.0095	0.010	mg/L	94	95	1 %
		Uranium	EPA 200.8	1211413-001	0.1887	SC 0.2038	0.2001	0.010	mg/L	NC	NC	NC
QC12110921	MS 1	Thiocyanate	SM 4500 CN	1211413-004	2.50	1.84	1.80	0.500	mg/L	118	109	2 %
QC12110927	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1211413-001	<0.050	1.03	1.01	1.00	mg/L	103	101	2 %
QC12110927	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1211437-002	0.051	0.843	0.902	1.00	mg/L	79	85	7 %
QC12110980	MS 1	WAD Cyanide	SM 4500CNI	1211389-007	<0.010	0.106	0.108	0.100	mg/L	106	108	2 %
QC12110980	MS 2	WAD Cyanide	SM 4500CNI	1211413-003	0.032	0.133	0.132	0.100	mg/L	101	100	1 %
QC12120036	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1211280-007	<0.100	0.692	0.655	0.690	mg/L	93	88	5 %
QC12120036	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1211340-004	7.47	SC 7.77	7.77	0.690	mg/L	NC	NC	NC
QC12120037	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1211413-003	1.23	M 1.86	1.48	0.690	mg/L	NC	NC	NC

12/12/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1212011

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 12/3/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1212011

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1212011-001 Nitrate Nitrogen, Nitrite Nitrogen, Mercury

1212011-002 Mercury

1212011-003 Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 12/12/2012

OrderID: 1212011

Customer Sample ID: 63310, 3 Dec

Collect Date/Time: 12/3/2012 12:00

WETLAB Sample ID: 1212011-001

Receive Date: 12/3/2012 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	3.3	mg/L	0.20	12/7/2012
Cyanate	SM 4500 CNL	3.6	mg/L	0.10	12/7/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	12/6/2012
pH	SM 4500-H+ B	8.46	pH Units		12/3/2012
Trace Metals Digestion	EPA 200.2	Complete			12/5/2012
Acidity (Titrimetric)	SM 2310B	-55	mg/L as CaCO3		12/6/2012
Bicarbonate (HCO3)	SM 2320B	350	mg/L	1.0	12/3/2012
Carbonate (CO3)	SM 2320B	5.5	mg/L	1.0	12/3/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/3/2012
Total Alkalinity	SM 2320B	290	mg/L as CaCO3	1.0	12/3/2012
Redox Potential	SM 2580B	180	mV		12/4/2012
Chloride	EPA 300.0	15	mg/L	1.0	12/4/2012
Fluoride	EPA 300.0	2.2	mg/L	1.0	12/4/2012
Sulfate	EPA 300.0	510	mg/L	10	12/4/2012
Nitrate Nitrogen	EPA 300.0	0.31	mg/L	0.10	12/4/2012
Nitrite Nitrogen	EPA 300.0	<0.10	mg/L	0.10	12/4/2012
Total Kjeldahl Nitrogen	EPA 351.2	1.7	mg/L	0.10	12/5/2012
Total Nitrogen	Calc.	2.0	mg/L	0.070	12/5/2012
Total Cyanide	SM 4500CNC	0.32	mg/L	0.050	12/5/2012
Total Dissolved Solids (TDS)	SM 2540C	1200	mg/L	10	12/5/2012
WAD Cyanide	SM 4500CNI	0.012	mg/L	0.010	12/5/2012
Electrical Conductivity	SM 2510B	1800	µmhos/cm	1	12/6/2012
Aluminum	EPA 200.7	5.6	mg/L	0.045	12/6/2012
Antimony	EPA 200.7	0.86	mg/L	0.030	12/6/2012
Barium	EPA 200.7	0.049	mg/L	0.010	12/6/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	12/6/2012
Boron	EPA 200.7	0.070	mg/L	0.020	12/6/2012

Page 3 of 12

Customer Sample ID: 63310, 3 Dec

Collect Date/Time: 12/3/2012 12:00

WETLAB Sample ID: 1212011-001

Receive Date: 12/3/2012 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium	EPA 200.7	9.5	mg/L	0.50	12/6/2012
Cobalt	EPA 200.7	0.0093	mg/L	0.0020	12/6/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	12/6/2012
Iron	EPA 200.7	4.3	mg/L	0.010	12/6/2012
Lithium	EPA 200.7	<0.020	mg/L	0.020	12/6/2012
Magnesium	EPA 200.7	1.2	mg/L	0.50	12/6/2012
Manganese	EPA 200.7	0.085	mg/L	0.0050	12/6/2012
Molybdenum	EPA 200.7	0.013	mg/L	0.0050	12/6/2012
Phosphorus	EPA 200.7	0.40	mg/L	0.10	12/6/2012
Potassium	EPA 200.7	5.0	mg/L	0.50	12/6/2012
Scandium	EPA 200.7	0.0012	mg/L	0.0010	12/6/2012
Silicon	EPA 200.7	25	mg/L	0.10	12/6/2012
Sodium	EPA 200.7	370	mg/L	0.50	12/6/2012
Strontium	EPA 200.7	0.14	mg/L	0.100	12/6/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	12/6/2012
Titanium	EPA 200.7	0.061	mg/L	0.0050	12/6/2012
Vanadium	EPA 200.7	0.027	mg/L	0.010	12/6/2012
Zinc	EPA 200.7	0.080	mg/L	0.010	12/6/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	12/11/2012
Arsenic	EPA 200.8	4.9	mg/L	0.050	12/11/2012
Beryllium	EPA 200.8	0.00080	mg/L	0.0002	12/11/2012
Cadmium	EPA 200.8	0.00066	mg/L	0.0002	12/6/2012
Chromium	EPA 200.8	0.0034	mg/L	0.0010	12/11/2012
Copper	EPA 200.8	0.15	mg/L	0.010	12/6/2012
Lead	EPA 200.8	0.35	mg/L	0.025	12/11/2012
Nickel	EPA 200.8	0.0083	mg/L	0.0020	12/11/2012
Selenium	EPA 200.8	0.018	mg/L	0.0050	12/6/2012
Silver	EPA 200.8	0.00130	mg/L	0.0005	12/11/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	12/6/2012
Uranium	EPA 200.8	0.21	mg/L	0.050	12/11/2012

Customer Sample ID: 63313, 3 Dec

Collect Date/Time: 12/3/2012 12:00

WETLAB Sample ID: 1212011-002

Receive Date: 12/3/2012 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.0	mg/L	0.10	12/7/2012
Thiocyanate	SM 4500 CNM	1.7	mg/L	0.20	12/7/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.11	mg/L	0.050	12/6/2012
pH	SM 4500-H+ B	8.73	pH Units		12/3/2012
Trace Metals Digestion	EPA 200.2	Complete			12/5/2012
Acidity (Titrimetric)	SM 2310B	-82	mg/L as CaCO3		12/6/2012
Bicarbonate (HCO3)	SM 2320B	370 Q	mg/L	1.0	12/3/2012
Carbonate (CO3)	SM 2320B	19 Q	mg/L	1.0	12/3/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/3/2012
Total Alkalinity	SM 2320B	340 Q	mg/L as CaCO3	1.0	12/3/2012
Redox Potential	SM 2580B	170	mV		12/4/2012
Chloride	EPA 300.0	15	mg/L	1.0	12/4/2012
Fluoride	EPA 300.0	2.2	mg/L	1.0	12/4/2012
Sulfate	EPA 300.0	310	mg/L	10	12/4/2012
Nitrate Nitrogen	EPA 300.0	0.37	mg/L	0.10	12/4/2012
Nitrite Nitrogen	EPA 300.0	1.1	mg/L	0.10	12/4/2012
Total Kjeldahl Nitrogen	EPA 351.2	1.7	mg/L	0.10	12/5/2012
Total Nitrogen	Calc.	3.1	mg/L	0.070	12/5/2012
Total Cyanide	SM 4500CNC	0.31	mg/L	0.050	12/5/2012
Total Dissolved Solids (TDS)	SM 2540C	1000	mg/L	10	12/5/2012
WAD Cyanide	SM 4500CNI	0.016	mg/L	0.010	12/5/2012
Electrical Conductivity	SM 2510B	1600	µmhos/cm	1	12/6/2012
Aluminum	EPA 200.7	3.6	mg/L	0.045	12/6/2012
Antimony	EPA 200.7	0.89	mg/L	0.030	12/6/2012
Barium	EPA 200.7	0.034	mg/L	0.010	12/6/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	12/6/2012
Boron	EPA 200.7	0.081	mg/L	0.020	12/6/2012
Calcium	EPA 200.7	6.3	mg/L	0.50	12/6/2012
Cobalt	EPA 200.7	0.0078	mg/L	0.0020	12/6/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	12/6/2012
Iron	EPA 200.7	2.4	mg/L	0.010	12/6/2012
Lithium	EPA 200.7	<0.020	mg/L	0.020	12/6/2012
Magnesium	EPA 200.7	0.65	mg/L	0.50	12/6/2012
Manganese	EPA 200.7	0.054	mg/L	0.0050	12/6/2012
Molybdenum	EPA 200.7	0.0059	mg/L	0.0050	12/6/2012
Phosphorus	EPA 200.7	0.42	mg/L	0.10	12/6/2012
Potassium	EPA 200.7	4.6	mg/L	0.50	12/6/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	12/6/2012

Customer Sample ID: 63313, 3 Dec

Collect Date/Time: 12/3/2012 12:00

WETLAB Sample ID: 1212011-002

Receive Date: 12/3/2012 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Silicon	EPA 200.7	22	mg/L	0.10	12/6/2012
Sodium	EPA 200.7	340	mg/L	0.50	12/6/2012
Strontium	EPA 200.7	0.095	mg/L	0.050	12/6/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	12/6/2012
Titanium	EPA 200.7	0.052	mg/L	0.0050	12/6/2012
Vanadium	EPA 200.7	0.044	mg/L	0.010	12/6/2012
Zinc	EPA 200.7	0.047	mg/L	0.010	12/6/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	12/11/2012
Arsenic	EPA 200.8	5.8	mg/L	0.050	12/11/2012
Beryllium	EPA 200.8	0.00060	mg/L	0.0002	12/11/2012
Cadmium	EPA 200.8	0.00050	mg/L	0.0002	12/6/2012
Chromium	EPA 200.8	0.0021	mg/L	0.0010	12/11/2012
Copper	EPA 200.8	0.095	mg/L	0.010	12/6/2012
Lead	EPA 200.8	0.26	mg/L	0.025	12/11/2012
Nickel	EPA 200.8	0.0048	mg/L	0.0020	12/11/2012
Selenium	EPA 200.8	0.024	mg/L	0.0050	12/6/2012
Silver	EPA 200.8	0.00060	mg/L	0.0005	12/11/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	12/6/2012
Uranium	EPA 200.8	0.16	mg/L	0.050	12/11/2012

Customer Sample ID: 63316, 3 Dec

Collect Date/Time: 12/3/2012 12:00

WETLAB Sample ID: 1212011-003

Receive Date: 12/3/2012 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.98	mg/L	0.20	12/7/2012
Cyanate	SM 4500 CNL	3.5	mg/L	0.10	12/7/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.19	mg/L	0.050	12/6/2012
pH	SM 4500-H+ B	8.61	pH Units		12/4/2012
Trace Metals Digestion	EPA 200.2	Complete			12/5/2012
Acidity (Titrimetric)	SM 2310B	-52	mg/L as CaCO3		12/6/2012
Bicarbonate (HCO3)	SM 2320B	390	mg/L	1.0	12/4/2012
Carbonate (CO3)	SM 2320B	13	mg/L	1.0	12/4/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/4/2012
Total Alkalinity	SM 2320B	340	mg/L as CaCO3	1.0	12/4/2012
Redox Potential	SM 2580B	210	mV		12/4/2012
Chloride	EPA 300.0	72	mg/L	1.0	12/4/2012
Fluoride	EPA 300.0	1.9	mg/L	1.0	12/4/2012
Sulfate	EPA 300.0	1200	mg/L	10	12/4/2012
Nitrate Nitrogen	EPA 300.0	0.62	mg/L	0.10	12/4/2012
Nitrite Nitrogen	EPA 300.0	28	mg/L	0.10	12/4/2012
Total Kjeldahl Nitrogen	EPA 351.2	1.8	mg/L	0.10	12/5/2012
Total Nitrogen	Calc.	30	mg/L	0.070	12/5/2012
Total Cyanide	SM 4500CNC	0.13	mg/L	0.010	12/5/2012
Total Dissolved Solids (TDS)	SM 2540C	2300	mg/L	10	12/5/2012
WAD Cyanide	SM 4500CNI	0.027	mg/L	0.010	12/5/2012
Electrical Conductivity	SM 2510B	3600	µmhos/cm	1	12/6/2012
Aluminum	EPA 200.7	1.1	mg/L	0.045	12/6/2012
Antimony	EPA 200.7	0.77	mg/L	0.030	12/6/2012
Barium	EPA 200.7	0.022	mg/L	0.010	12/6/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	12/6/2012
Boron	EPA 200.7	0.076	mg/L	0.020	12/6/2012
Calcium	EPA 200.7	8.2	mg/L	0.50	12/6/2012
Cobalt	EPA 200.7	0.0068	mg/L	0.0020	12/6/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	12/6/2012
Iron	EPA 200.7	0.55	mg/L	0.010	12/6/2012
Lithium	EPA 200.7	0.023	mg/L	0.020	12/6/2012
Magnesium	EPA 200.7	1.1	mg/L	0.50	12/6/2012
Manganese	EPA 200.7	0.016	mg/L	0.0050	12/6/2012
Molybdenum	EPA 200.7	0.0069	mg/L	0.0050	12/6/2012
Phosphorus	EPA 200.7	0.22	mg/L	0.10	12/6/2012
Potassium	EPA 200.7	10	mg/L	0.50	12/6/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	12/6/2012

Customer Sample ID: 63316, 3 Dec

Collect Date/Time: 12/3/2012 12:00

WETLAB Sample ID: 1212011-003

Receive Date: 12/3/2012 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Silicon	EPA 200.7	14	mg/L	0.10	12/6/2012
Sodium	EPA 200.7	820	mg/L	5.0	12/6/2012
Strontium	EPA 200.7	0.22	mg/L	0.100	12/6/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	12/6/2012
Titanium	EPA 200.7	0.017	mg/L	0.0050	12/6/2012
Vanadium	EPA 200.7	0.021	mg/L	0.010	12/6/2012
Zinc	EPA 200.7	0.018	mg/L	0.010	12/6/2012
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	12/11/2012
Arsenic	EPA 200.8	3.1	mg/L	0.050	12/11/2012
Beryllium	EPA 200.8	0.00040	mg/L	0.0002	12/11/2012
Cadmium	EPA 200.8	0.00024	mg/L	0.0002	12/6/2012
Chromium	EPA 200.8	<0.0010	mg/L	0.0010	12/11/2012
Copper	EPA 200.8	0.060	mg/L	0.010	12/6/2012
Lead	EPA 200.8	0.088	mg/L	0.0025	12/6/2012
Nickel	EPA 200.8	<0.0020	mg/L	0.0020	12/11/2012
Selenium	EPA 200.8	0.0096	mg/L	0.0020	12/6/2012
Silver	EPA 200.8	0.00080	mg/L	0.0005	12/11/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	12/6/2012
Uranium	EPA 200.8	0.16	mg/L	0.0050	12/6/2012

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12120119	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12120119	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12120119	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12120122	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12120122	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12120122	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12120124	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120124	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120124	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120125	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120125	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120125	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120126	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12120126	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12120126	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12120148	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12120148	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12120149	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120149	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120152	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120152	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120152	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120152	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120197	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Antimony	EPA 200.7	<0.030	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12120211	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Arsenic	EPA 200.8	<0.0050	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC12120228	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12120228	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12120228	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12120229	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12120250	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120250	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120300	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12120300	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12120310	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12120310	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12120046	LCS 1	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC12120046	LCS 2	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12120046	LCS 3	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12120112	LCS 1	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC12120112	LCS 2	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC12120112	LCS 3	Total Alkalinity	SM 2320B	95.1	100	95	mg/L
QC12120119	LCS 1	Fluoride	EPA 300.0	1.97	2.00	99	mg/L
QC12120122	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC12120124	LCS 1	Nitrite Nitrogen	EPA 300.0	0.535	0.500	107	mg/L
QC12120125	LCS 1	Nitrate Nitrogen	EPA 300.0	1.90	2.00	95	mg/L
QC12120126	LCS 1	Sulfate	EPA 300.0	24.1	25.0	96	mg/L
QC12120127	LCS 1	Redox Potential	SM 2580B	220	221	99	mV
QC12120148	LCS 1	Total Cyanide	SM 4500CNC	0.094	0.100	94	mg/L
QC12120149	LCS 1	WAD Cyanide	SM 4500CNI	0.105	0.100	105	mg/L
QC12120152	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.705	0.690	102	mg/L
QC12120152	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.746	0.690	108	mg/L
QC12120197	LCS 1	Aluminum	EPA 200.7	0.974	1.00	97	mg/L
		Antimony	EPA 200.7	1.08	1.00	108	mg/L
		Barium	EPA 200.7	0.999	1.00	100	mg/L
		Bismuth	EPA 200.7	1.00	1.00	100	mg/L
		Boron	EPA 200.7	0.953	1.00	95	mg/L
		Calcium	EPA 200.7	9.88	10.0	99	mg/L
		Cobalt	EPA 200.7	1.01	1.00	101	mg/L
		Gallium	EPA 200.7	0.964	1.00	96	mg/L
		Iron	EPA 200.7	0.959	1.00	96	mg/L
		Lithium	EPA 200.7	0.930	1.00	93	mg/L
		Magnesium	EPA 200.7	9.51	10.0	95	mg/L
		Manganese	EPA 200.7	0.975	1.00	98	mg/L
		Molybdenum	EPA 200.7	1.01	1.00	101	mg/L
		Phosphorus	EPA 200.7	5.25	5.00	105	mg/L
		Potassium	EPA 200.7	9.55	10.0	96	mg/L
		Scandium	EPA 200.7	0.958	1.00	96	mg/L
		Silicon	EPA 200.7	8.88	10.0	89	mg/L
		Sodium	EPA 200.7	9.76	10.0	98	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC12120211	LCS 1	Strontium	EPA 200.7	0.900	1.00	90	mg/L	
		Tin	EPA 200.7	0.985	1.00	98	mg/L	
		Titanium	EPA 200.7	0.951	1.00	95	mg/L	
		Vanadium	EPA 200.7	0.987	1.00	99	mg/L	
		Zinc	EPA 200.7	1.03	1.00	103	mg/L	
		Mercury	EPA 200.8	0.000953	0.001	95	mg/L	
		Arsenic	EPA 200.8	0.0496	0.050	99	mg/L	
		Cadmium	EPA 200.8	0.0095	0.010	95	mg/L	
		Copper	EPA 200.8	0.0091	0.010	91	mg/L	
		Lead	EPA 200.8	0.0094	0.010	94	mg/L	
		Selenium	EPA 200.8	0.0461	0.050	92	mg/L	
		Thallium	EPA 200.8	0.0093	0.010	93	mg/L	
QC12120228	LCS 1	Uranium	EPA 200.8	0.0093	0.010	93	mg/L	
QC12120228	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.995	1.00	99	mg/L	
QC12120229	LCS 1	Electrical Conductivity	SM 2510B	1414	1412	100	µmhos/cm	
QC12120250	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L	
QC12120250	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L	
QC12120300	LCS 1	Cyanate	SM 4500 CNL	1.05	1.00	105	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12120046	Duplicate	pH	SM 4500-H+ B	1212008-001	7.08	6.99	pH Units	1 %
QC12120046	Duplicate	pH	SM 4500-H+ B	1212009-004	6.99	6.86	Q pH Units	2 %
QC12120046	Duplicate	pH	SM 4500-H+ B	1212011-001	8.46	8.45	pH Units	<1%
QC12120046	Duplicate	pH	SM 4500-H+ B	1212011-002	8.73	8.76	pH Units	<1%
QC12120046	Duplicate	pH	SM 4500-H+ B	1212022-001	4.29	4.33	pH Units	1 %
QC12120046	Duplicate	pH	SM 4500-H+ B	1212022-008	7.92	7.97	pH Units	1 %
QC12120112	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212011-001	346	314	mg/L	10 %
		Carbonate (CO3)	SM 2320B	1212011-001	5.54	4.45	mg/L	22 %
		Hydroxide (OH)	SM 2320B	1212011-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212011-001	293	265	mg/L as CaCO3	10 %
QC12120112	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212011-002	375	466	Q mg/L	22 %
		Carbonate (CO3)	SM 2320B	1212011-002	19.0	25.3	Q mg/L	28 %
		Hydroxide (OH)	SM 2320B	1212011-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212011-002	339	424	Q mg/L as CaCO3	22 %
QC12120112	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212022-008	63.2	77.4	Q mg/L	20 %
		Carbonate (CO3)	SM 2320B	1212022-008	<1.000	<1.000	Q mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212022-008	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212022-008	51.8	63.4	Q mg/L as CaCO3	20 %
QC12120127	Duplicate	Redox Potential	SM 2580B	1212021-001	468	469	mV	<1%
QC12120127	Duplicate	Redox Potential	SM 2580B	1212021-011	380	378	mV	<1%
QC12120229	Duplicate	Electrical Conductivity	SM 2510B	1212011-001	1839	1835	µmhos/cm	<1%
QC12120250	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212011-001	1216	1230	mg/L	1 %
QC12120250	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212026-004	295	284	mg/L	4 %
QC12120250	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211496-001		2588	mg/L	<1%
QC12120300	Duplicate	Cyanate	SM 4500 CNL	1212039-003	2.65	3.08	mg/L	15 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12120119	MS 1	Fluoride	EPA 300.0	1212022-005	<1.000	26.2	27.1	2.00	mg/L	128	133	3 %
QC12120119	MS 2	Fluoride	EPA 300.0	1212022-008	2.25	M 22.3	20.3	2.00	mg/L	NC	NC	NC
QC12120122	MS 1	Chloride	EPA 300.0	1212022-005	<10.000	53.5	54.0	5.00	mg/L	107	108	1 %
QC12120122	MS 2	Chloride	EPA 300.0	1212022-008	<10.00	58.1	59.0	5.00	mg/L	103	105	2 %
QC12120124	MS 1	Nitrite Nitrogen	EPA 300.0	1212022-005	<0.250	5.71	5.89	0.500	mg/L	115	118	3 %
QC12120124	MS 2	Nitrite Nitrogen	EPA 300.0	1212022-008	<0.250	5.24	5.48	0.500	mg/L	105	110	4 %
QC12120125	MS 1	Nitrate Nitrogen	EPA 300.0	1212022-005	<1.000	19.4	19.6	2.00	mg/L	97	98	1 %
QC12120125	MS 2	Nitrate Nitrogen	EPA 300.0	1212022-008	<1.000	19.1	19.3	2.00	mg/L	96	97	1 %
QC12120126	MS 1	Sulfate	EPA 300.0	1212022-005	1165	M 1337	1301	10.0	mg/L	NC	NC	NC
QC12120126	MS 2	Sulfate	EPA 300.0	1212022-008	1462	M 1520	1511	10.0	mg/L	NC	NC	NC
QC12120148	MS 1	Total Cyanide	SM 4500CNC	1212011-003	0.129	0.243	0.246	0.100	mg/L	114	117	1 %
QC12120149	MS 1	WAD Cyanide	SM 4500CNI	1211299-001	<0.010	0.107	0.109	0.100	mg/L	107	109	2 %
QC12120152	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1211339-002	0.184	0.816	0.830	0.690	mg/L	92	94	2 %
QC12120152	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1211317-001	0.772	M 1.35	1.33	0.690	mg/L	NC	NC	NC
QC12120152	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1211385-001	1.44	2.14	2.12	0.690	mg/L	101	98	1 %
QC12120197	MS 1	Aluminum	EPA 200.7	1211544-002	<0.045	0.977	0.979	1.00	mg/L	96	97	<1%
		Antimony	EPA 200.7	1211544-002	<0.030	1.07	1.07	1.00	mg/L	107	107	<1%
		Barium	EPA 200.7	1211544-002	<0.010	0.993	0.999	1.00	mg/L	99	99	1 %
		Bismuth	EPA 200.7	1211544-002	<0.100	0.984	0.994	1.00	mg/L	98	99	1 %
		Boron	EPA 200.7	1211544-002	<0.100	0.967	0.973	1.00	mg/L	96	97	1 %
		Calcium	EPA 200.7	1211544-002	7.89	17.7	17.6	10.0	mg/L	98	97	1 %
		Cobalt	EPA 200.7	1211544-002	<0.010	0.999	1.00	1.00	mg/L	100	100	<1%
		Gallium	EPA 200.7	1211544-002	<0.100	0.952	0.953	1.00	mg/L	95	95	<1%
		Iron	EPA 200.7	1211544-002	0.176	1.15	1.13	1.00	mg/L	97	95	2 %
		Lithium	EPA 200.7	1211544-002	<0.100	0.921	0.920	1.00	mg/L	92	92	<1%
		Magnesium	EPA 200.7	1211544-002	1.73	11.2	11.2	10.0	mg/L	95	95	<1%
		Manganese	EPA 200.7	1211544-002	0.005	0.964	0.967	1.00	mg/L	96	96	<1%
		Molybdenum	EPA 200.7	1211544-002	<0.010	0.999	1.00	1.00	mg/L	100	100	<1%
		Phosphorus	EPA 200.7	1211544-002	<0.500	5.24	5.25	5.00	mg/L	103	103	<1%
		Potassium	EPA 200.7	1211544-002	1.93	11.5	11.5	10.0	mg/L	96	96	<1%
		Scandium	EPA 200.7	1211544-002	<0.100	0.949	0.951	1.00	mg/L	95	95	<1%
		Silicon	EPA 200.7	1211544-002	7.90	16.8	16.7	10.0	mg/L	89	88	1 %
		Sodium	EPA 200.7	1211544-002	5.47	14.8	14.8	10.0	mg/L	93	93	<1%
		Strontium	EPA 200.7	1211544-002	<0.100	0.949	0.951	1.00	mg/L	90	90	<1%
		Tin	EPA 200.7	1211544-002	<0.100	0.980	0.982	1.00	mg/L	99	99	<1%
		Titanium	EPA 200.7	1211544-002	<0.100	0.958	0.957	1.00	mg/L	96	96	<1%
		Vanadium	EPA 200.7	1211544-002	<0.010	0.979	0.985	1.00	mg/L	98	98	1 %
		Zinc	EPA 200.7	1211544-002	<0.010	1.03	1.03	1.00	mg/L	103	103	<1%
QC12120211	MS 1	Mercury	EPA 200.8	1211544-002	<0.00010	0.000951	0.000871	0.001	mg/L	92	84	9 %
		Arsenic	EPA 200.8	1211544-002	<0.0050	0.0500	0.0502	0.050	mg/L	100	100	<1%
		Cadmium	EPA 200.8	1211544-002	<0.0010	0.0098	0.0097	0.010	mg/L	98	97	1 %
		Copper	EPA 200.8	1211544-002	<0.0100	<0.0100	<0.0100	0.010	mg/L	96	96	#Erro
		Lead	EPA 200.8	1211544-002	<0.0025	0.0096	0.0097	0.010	mg/L	95	96	1 %
		Selenium	EPA 200.8	1211544-002	<0.0050	0.0449	0.0449	0.050	mg/L	90	90	<1%
		Thallium	EPA 200.8	1211544-002	<0.0010	0.0095	0.0097	0.010	mg/L	94	96	2 %
		Uranium	EPA 200.8	1211544-002	<0.0050	0.0120	0.0119	0.010	mg/L	94	94	1 %
QC12120228	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1212042-002	0.067	0.968	1.01	1.00	mg/L	90	94	4 %
QC12120228	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1211546-004	<0.050	0.960	0.990	1.00	mg/L	96	99	3 %
QC12120310	MS 1	Thiocyanate	SM 4500 CN	1212039-003	12.0	1.68	1.67	0.500	mg/L	97	94	1 %

Specializing in Soil, Hazardous Waste and Water Analysis.

12/14/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1212012

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 12/3/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,



Andy Smith
QA Manager

SPARKS

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Sparks, Nevada 89431
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1084 Lamoille Hwy.
Elko, Nevada 89801
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LAS VEGAS

3230 Polaris Ave., Suite 4
Las Vegas, Nevada 89102
tel (702) 475-8899
fax (702) 776-6152

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassidy and Associates - 1212012

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1212012-001 Nitrite Nitrogen, Mercury

The reporting limits have been adjusted accordingly.

Subcontracting Comments

The analysis for Total Organic Carbon was performed by Associated Laboratories of Orange, CA. Their report is attached.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 12/14/2012

OrderID: 1212012

Customer Sample ID: 63301, 3 Dec

Collect Date/Time: 12/3/2012 12:00

WETLAB Sample ID: 1212012-001

Receive Date: 12/3/2012 12:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	2.2	mg/L	0.20	12/7/2012
Cyanate	SM 4500 CNL	5.3	mg/L	0.10	12/7/2012
pH	SM 4500-H+ B	8.80	pH Units		12/4/2012
Trace Metals Digestion, Dissolved	EPA 200.2	Complete			12/5/2012
Acidity (Titrimetric)	SM 2310B	-163	mg/L as CaCO ₃		12/6/2012
Bicarbonate (HCO ₃)	SM 2320B	1200	mg/L	1.0	12/10/2012
Carbonate (CO ₃)	SM 2320B	65	mg/L	1.0	12/10/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/10/2012
Total Alkalinity	SM 2320B	1100	mg/L as CaCO ₃	1.0	12/10/2012
Redox Potential	SM 2580B	230	mV		12/4/2012
Chloride	EPA 300.0	27	mg/L	1.0	12/4/2012
Fluoride	EPA 300.0	1.6	mg/L	1.0	12/4/2012
Sulfate	EPA 300.0	950	mg/L	10	12/4/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	12/4/2012
Nitrite Nitrogen	EPA 300.0	<0.25	mg/L	0.25	12/4/2012
Total Kjeldahl Nitrogen	EPA 351.2	0.15	mg/L	0.10	12/5/2012
Total Nitrogen	Calc.	0.15	mg/L	0.070	12/5/2012
Total Cyanide	SM 4500CNC	11	mg/L	2.5	12/5/2012
Total Dissolved Solids (TDS)	SM 2540C	2600	mg/L	10	12/5/2012
WAD Cyanide	SM 4500CNI	0.24	mg/L	0.050	12/5/2012
Electrical Conductivity	SM 2510B	4100	µmhos/cm	1	12/7/2012
Aluminum, Dissolved	EPA 200.7	0.70	mg/L	0.045	12/6/2012
Barium, Dissolved	EPA 200.7	0.031	mg/L	0.010	12/6/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	12/6/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/6/2012
Boron, Dissolved	EPA 200.7	0.12	mg/L	0.10	12/6/2012
Cadmium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	12/6/2012

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475 East Greg Street Suite #119
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Elko, NV 89801 (775) 777-9933
EPA Lab ID: NV00926

3230 Polaris Ave #4
Las Vegas, NV 89102 (702) 475-8899
EPA Lab ID: NV00932

Customer Sample ID: 63301, 3 Dec

Collect Date/Time: 12/3/2012 12:00

WETLAB Sample ID: 1212012-001

Receive Date: 12/3/2012 12:00

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium, Dissolved	EPA 200.7	17	mg/L	0.50	12/6/2012
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	12/6/2012
Cobalt, Dissolved	EPA 200.7	0.17	mg/L	0.010	12/6/2012
Copper, Dissolved	EPA 200.7	<0.050	mg/L	0.050	12/6/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/6/2012
Iron, Dissolved	EPA 200.7	3.6	mg/L	0.010	12/6/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/6/2012
Magnesium, Dissolved	EPA 200.7	3.3	mg/L	0.50	12/6/2012
Manganese, Dissolved	EPA 200.7	0.036	mg/L	0.0050	12/6/2012
Molybdenum, Dissolved	EPA 200.7	0.11	mg/L	0.010	12/6/2012
Nickel, Dissolved	EPA 200.7	<0.010	mg/L	0.010	12/6/2012
Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L	0.50	12/6/2012
Potassium, Dissolved	EPA 200.7	13	mg/L	0.50	12/6/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/6/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	12/6/2012
Sodium, Dissolved	EPA 200.7	960	mg/L	5.0	12/6/2012
Strontium, Dissolved	EPA 200.7	0.44	mg/L	0.10	12/6/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/6/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/6/2012
Vanadium, Dissolved	EPA 200.7	0.019	mg/L	0.010	12/6/2012
Zinc, Dissolved	EPA 200.7	<0.010	mg/L	0.010	12/6/2012
Mercury, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	12/10/2012
Antimony, Dissolved	EPA 200.8	1.3	mg/L	0.12	12/10/2012
Arsenic, Dissolved	EPA 200.8	2.2	mg/L	0.050	12/10/2012
Lead, Dissolved	EPA 200.8	0.057	mg/L	0.0025	12/6/2012
Selenium, Dissolved	EPA 200.8	0.016	mg/L	0.0050	12/6/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	12/6/2012
Anions	Calculation	42.5	meq/L	0.10	
Cations	Calculation	41.8	meq/L	0.10	
Error	Calculation	<1.0	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12120119	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12120119	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12120119	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12120122	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12120122	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12120122	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12120124	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120124	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120124	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120125	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120125	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120125	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120126	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12120126	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12120126	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12120148	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12120148	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12120149	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120149	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120152	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120152	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120152	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120152	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120197	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L

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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC12120211	Blank 1	Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
		Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
QC12120250	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120250	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120269	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12120300	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12120300	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12120310	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12120310	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12120046	LCS 1	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC12120046	LCS 2	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12120046	LCS 3	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12120119	LCS 1	Fluoride	EPA 300.0	1.97	2.00	99	mg/L
QC12120122	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC12120124	LCS 1	Nitrite Nitrogen	EPA 300.0	0.535	0.500	107	mg/L
QC12120125	LCS 1	Nitrate Nitrogen	EPA 300.0	1.90	2.00	95	mg/L
QC12120126	LCS 1	Sulfate	EPA 300.0	24.1	25.0	96	mg/L
QC12120127	LCS 1	Redox Potential	SM 2580B	220	221	99	mV
QC12120148	LCS 1	Total Cyanide	SM 4500CNC	0.094	0.100	94	mg/L
QC12120149	LCS 1	WAD Cyanide	SM 4500CNI	0.105	0.100	105	mg/L
QC12120152	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.705	0.690	102	mg/L
QC12120152	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.746	0.690	108	mg/L
QC12120197	LCS 1	Aluminum	EPA 200.7	0.974	1.00	97	mg/L
		Barium	EPA 200.7	0.999	1.00	100	mg/L
		Beryllium	EPA 200.7	0.967	1.00	97	mg/L
		Bismuth	EPA 200.7	1.00	1.00	100	mg/L
		Boron	EPA 200.7	0.953	1.00	95	mg/L
		Cadmium	EPA 200.7	1.02	1.00	102	mg/L
		Calcium	EPA 200.7	9.88	10.0	99	mg/L
		Chromium	EPA 200.7	0.997	1.00	100	mg/L
		Cobalt	EPA 200.7	1.01	1.00	101	mg/L
		Copper	EPA 200.7	4.63	5.00	93	mg/L
		Gallium	EPA 200.7	0.964	1.00	96	mg/L
		Iron	EPA 200.7	0.959	1.00	96	mg/L
		Lithium	EPA 200.7	0.930	1.00	93	mg/L
		Magnesium	EPA 200.7	9.51	10.0	95	mg/L
		Manganese	EPA 200.7	0.975	1.00	98	mg/L
		Molybdenum	EPA 200.7	1.01	1.00	101	mg/L
		Nickel	EPA 200.7	5.02	5.00	100	mg/L
		Phosphorus	EPA 200.7	5.25	5.00	105	mg/L
		Potassium	EPA 200.7	9.55	10.0	96	mg/L
		Scandium	EPA 200.7	0.958	1.00	96	mg/L
		Silver	EPA 200.7	0.090	0.090	100	mg/L
		Sodium	EPA 200.7	9.76	10.0	98	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12120211	LCS 1	Strontium	EPA 200.7	0.900	1.00	90	mg/L
		Tin	EPA 200.7	0.985	1.00	98	mg/L
		Titanium	EPA 200.7	0.951	1.00	95	mg/L
		Vanadium	EPA 200.7	0.987	1.00	99	mg/L
		Zinc	EPA 200.7	1.03	1.00	103	mg/L
		Mercury	EPA 200.8	0.000953	0.001	95	mg/L
		Antimony	EPA 200.8	0.0094	0.010	94	mg/L
		Arsenic	EPA 200.8	0.0496	0.050	99	mg/L
		Lead	EPA 200.8	0.0094	0.010	94	mg/L
		Selenium	EPA 200.8	0.0461	0.050	92	mg/L
		Thallium	EPA 200.8	0.0093	0.010	93	mg/L
QC12120250	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L
QC12120250	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L
QC12120269	LCS 1	Electrical Conductivity	SM 2510B	1438	1412	102	µmhos/cm
QC12120300	LCS 1	Cyanate	SM 4500 CNL	1.05	1.00	105	mg/L
QC12120312	LCS 1	Total Alkalinity	SM 2320B	100	100	100	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12120046	Duplicate	pH	SM 4500-H+ B	1212008-001	7.08	6.99	pH Units	1 %
QC12120046	Duplicate	pH	SM 4500-H+ B	1212009-004	6.99	6.86	pH Units	2 %
QC12120046	Duplicate	pH	SM 4500-H+ B	1212011-001	8.46	8.45	pH Units	<1%
QC12120046	Duplicate	pH	SM 4500-H+ B	1212011-002	8.73	8.76	pH Units	<1%
QC12120046	Duplicate	pH	SM 4500-H+ B	1212022-001	4.29	4.33	pH Units	1 %
QC12120046	Duplicate	pH	SM 4500-H+ B	1212022-008	7.92	7.97	pH Units	1 %
QC12120127	Duplicate	Redox Potential	SM 2580B	1212021-001	468	469	mV	<1%
QC12120127	Duplicate	Redox Potential	SM 2580B	1212021-011	380	378	mV	<1%
QC12120250	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212011-001	1216	1230	mg/L	1 %
QC12120250	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212026-004	295	284	mg/L	4 %
QC12120250	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211496-001		2588	mg/L	<1%
QC12120269	Duplicate	Electrical Conductivity	SM 2510B	1212012-001	4060	3910	µmhos/cm	4 %
QC12120300	Duplicate	Cyanate	SM 4500 CNL	1212039-003	2.65	3.08	mg/L	15 %
QC12120312	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1211497-005	<1.000	<1.000	mg/L	<1%
		Carbonate (CO ₃)	SM 2320B	1211497-005	26.5	26.5	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1211497-005	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1211497-005	46.0	46.0	mg/L as CaCO ₃	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12120119	MS 1	Fluoride	EPA 300.0	1212022-005	<1.000	26.2	27.1	2.00	mg/L	128	133	3 %
QC12120119	MS 2	Fluoride	EPA 300.0	1212022-008	2.25	M 22.3	20.3	2.00	mg/L	NC	NC	NC
QC12120122	MS 1	Chloride	EPA 300.0	1212022-005	<10.000	53.5	54.0	5.00	mg/L	107	108	1 %
QC12120122	MS 2	Chloride	EPA 300.0	1212022-008	<10.00	58.1	59.0	5.00	mg/L	103	105	2 %
QC12120124	MS 1	Nitrite Nitrogen	EPA 300.0	1212022-005	<0.250	5.71	5.89	0.500	mg/L	115	118	3 %
QC12120124	MS 2	Nitrite Nitrogen	EPA 300.0	1212022-008	<0.250	5.24	5.48	0.500	mg/L	105	110	4 %
QC12120125	MS 1	Nitrate Nitrogen	EPA 300.0	1212022-005	<1.000	19.4	19.6	2.00	mg/L	97	98	1 %
QC12120125	MS 2	Nitrate Nitrogen	EPA 300.0	1212022-008	<1.000	19.1	19.3	2.00	mg/L	96	97	1 %
QC12120126	MS 1	Sulfate	EPA 300.0	1212022-005	1165	M 1337	1301	10.0	mg/L	NC	NC	NC
QC12120126	MS 2	Sulfate	EPA 300.0	1212022-008	1462	M 1520	1511	10.0	mg/L	NC	NC	NC

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12120148	MS 1	Total Cyanide	SM 4500CNC	1212011-003	0.129	0.243	0.246	0.100	mg/L	114	117	1 %
QC12120149	MS 1	WAD Cyanide	SM 4500CNI	1211299-001	<0.010	0.107	0.109	0.100	mg/L	107	109	2 %
QC12120152	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1211339-002	0.184	0.816	0.830	0.690	mg/L	92	94	2 %
QC12120152	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1211317-001	0.772	M 1.35	1.33	0.690	mg/L	NC	NC	NC
QC12120152	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1211385-001	1.44	2.14	2.12	0.690	mg/L	101	98	1 %
QC12120197	MS 1	Aluminum	EPA 200.7	1211544-002	<0.045	0.977	0.979	1.00	mg/L	96	97	<1%
		Barium	EPA 200.7	1211544-002	<0.010	0.993	0.999	1.00	mg/L	99	99	1 %
		Beryllium	EPA 200.7	1211544-002	<0.001	0.960	0.961	1.00	mg/L	96	96	<1%
		Bismuth	EPA 200.7	1211544-002	<0.100	0.984	0.994	1.00	mg/L	98	99	1 %
		Boron	EPA 200.7	1211544-002	<0.100	0.967	0.973	1.00	mg/L	96	97	1 %
		Cadmium	EPA 200.7	1211544-002	<0.001	0.997	1.00	1.00	mg/L	100	100	<1%
		Calcium	EPA 200.7	1211544-002	7.89	17.7	17.6	10.0	mg/L	98	97	1 %
		Chromium	EPA 200.7	1211544-002	<0.005	0.985	0.992	1.00	mg/L	98	99	1 %
		Cobalt	EPA 200.7	1211544-002	<0.010	0.999	1.00	1.00	mg/L	100	100	<1%
		Copper	EPA 200.7	1211544-002	<0.050	4.65	4.67	5.00	mg/L	93	93	<1%
		Gallium	EPA 200.7	1211544-002	<0.100	0.952	0.953	1.00	mg/L	95	95	<1%
		Iron	EPA 200.7	1211544-002	0.176	1.15	1.13	1.00	mg/L	97	95	2 %
		Lithium	EPA 200.7	1211544-002	<0.100	0.921	0.920	1.00	mg/L	92	92	<1%
		Magnesium	EPA 200.7	1211544-002	1.73	11.2	11.2	10.0	mg/L	95	95	<1%
		Manganese	EPA 200.7	1211544-002	0.005	0.964	0.967	1.00	mg/L	96	96	<1%
		Molybdenum	EPA 200.7	1211544-002	<0.010	0.999	1.00	1.00	mg/L	100	100	<1%
		Nickel	EPA 200.7	1211544-002	<0.010	4.97	5.00	5.00	mg/L	99	100	1 %
		Phosphorus	EPA 200.7	1211544-002	<0.500	5.24	5.25	5.00	mg/L	103	103	<1%
		Potassium	EPA 200.7	1211544-002	1.93	11.5	11.5	10.0	mg/L	96	96	<1%
		Scandium	EPA 200.7	1211544-002	<0.100	0.949	0.951	1.00	mg/L	95	95	<1%
		Silver	EPA 200.7	1211544-002	<0.005	0.089	0.089	0.090	mg/L	98	99	<1%
		Sodium	EPA 200.7	1211544-002	5.47	14.8	14.8	10.0	mg/L	93	93	<1%
		Strontium	EPA 200.7	1211544-002	<0.100	0.949	0.951	1.00	mg/L	90	90	<1%
		Tin	EPA 200.7	1211544-002	<0.100	0.980	0.982	1.00	mg/L	99	99	<1%
		Titanium	EPA 200.7	1211544-002	<0.100	0.958	0.957	1.00	mg/L	96	96	<1%
		Vanadium	EPA 200.7	1211544-002	<0.010	0.979	0.985	1.00	mg/L	98	98	1 %
		Zinc	EPA 200.7	1211544-002	<0.010	1.03	1.03	1.00	mg/L	103	103	<1%
QC12120211	MS 1	Mercury	EPA 200.8	1211544-002	<0.00010	0.000951	0.000871	0.001	mg/L	92	84	9 %
		Antimony	EPA 200.8	1211544-002	<0.0025	0.0090	0.0090	0.010	mg/L	90	90	<1%
		Arsenic	EPA 200.8	1211544-002	<0.0050	0.0500	0.0502	0.050	mg/L	100	100	<1%
		Lead	EPA 200.8	1211544-002	<0.0025	0.0096	0.0097	0.010	mg/L	95	96	1 %
		Selenium	EPA 200.8	1211544-002	<0.0050	0.0449	0.0449	0.050	mg/L	90	90	<1%
		Thallium	EPA 200.8	1211544-002	<0.0010	0.0095	0.0097	0.010	mg/L	94	96	2 %
QC12120310	MS 1	Thiocyanate	SM 4500 CN	1212039-003	12.0	1.68	1.67	0.500	mg/L	97	94	1 %



Associated Laboratories

806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
Info@associatedlabs.com



Client: Western Environmental Testing Lab.
Address: 475 E. Greg St
Suite 119
Sparks, NV 89431
Attn: Scott Thompson

Lab Request: 314800
Report Date: 12/11/2012
Date Received: 12/05/2012
Client ID: 10124

Comments: #1212012

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

<u>Sample #</u>	<u>Client Sample ID</u>
314800-001	63301, 3 Dec

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Lab Director

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 12/03/2012 12:00	Site:	Notes:
Sample #: 314800-001	Client Sample #: 63301, 3 Dec	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method		QCBatchID: QC1132172				
Total Organic Carbon (TOC)	26.0	2	1	mg/L	12/06/12	quang	

ND = Not Detected or < RDL

RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 314800 Page 2 of 2



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #314800

QCBatchID: QC1132172	Analyst: quang	Method: SM 5310B
Matrix: Water	Analyzed: 12/06/2012	Instrument: TOC-BIO (group)

Blank Summary						
Analyte	Blank Result	Units		RDL	Notes	
QC1132172MB1						
Total Organic Carbon (TOC)	ND	mg/L		0.5		

Lab Control Spike/ Lab Control Spike Duplicate Summary										
Analyte	Spike Amount		Spike Result		Units	Recoveries		Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD	RPD	%Rec	
QC1132172LCS1										
Total Organic Carbon (TOC)	10		9.5		mg/L	95			80-120	

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1132172MS1, QC1132172MSD1											Source: 314722-005	
Total Organic Carbon (TOC)	2.2	10	10	11.9	12.1	mg/L	97	99	1.7	80-120	20	

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 314800 Page 1 of 2



Notes and Definitions

B	Analyte was present in an associated method blank. Associated sample data was reported with qualifier.
C	Laboratory Contamination.
D	The sample duplicate RPD was not within control limits, the sample data was reported without further clarification.
DF	Dilution Factor
DW	Sample result is calculated on a dry weigh basis
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
MDL	Method Detection Limit
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
ND	Analyte was not detected or was less than the detection limit.
P	Sample was received without proper preservation according to EPA guidelines.
RDL	Reporting Detection Limit
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
T	Sample was extracted/analyzed past the holding time.

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor



**ASSOCIATED LABORATORIES**

806 North Batavia – Orange, California 92868 – 714-771-6900

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST**Section 1**Client: wellab

Project: _____

Date Received: 12-5-12Sampler's Name: Yes NoSample(s) received in cooler: Yes

No (Skip Section 2)

Shipping Information: _____

Section 2Was the cooler packed with: X Ice _____ Ice Packs _____ Bubble Wrap _____ Styrofoam
_____ Paper _____ None _____ Other _____Cooler or box temperature: 3°C

(Acceptance range is 0 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	<u>X</u>		
Is it properly completed? (IDs, sampling date and time, signature, test)	<u>X</u>		
Were custody seals present?			<u>X</u>
If Yes – were they intact?			<u>X</u>
Were all samples sealed in plastic bags?	<u>X</u>		
Did all samples arrive intact? If no, indicate below.	<u>X</u>		
Did all bottle labels agree with COC? (ID, dates and times)	<u>X</u>		
Were correct containers used for the tests required?	<u>X</u>		
Was a sufficient amount of sample sent for tests indicated?	<u>X</u>		
Was there headspace in VOA vials?		<u>✓</u>	
Were the containers labeled with correct preservatives?	<u>✓</u>		
Was total residual chlorine measured (Fish Bioassay samples only)? *			<u>X</u>

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4

Explanations/Comments

Section 5

Was Project Manager notified of discrepancies: Y / N N/A

Completed By: phm Date: 12-5-12

**WETLAB**WESTERN ENVIRONMENTAL
TESTING LABORATORY

Specializing in Soil, Hazardous Waste and Water Analysis.

475 E. Greg Street #119 | Sparks, Nevada 89431

tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

ASSOC

Lab Number

314800

Report

Due Date

12/10/12

Page

of

Client

WETLAB

Address

SEE ABOVE

City, State & Zip

Contact

Scott Thompson

Phone

Collector's Name

Fax

PWS/Project Name

P.O. Number

PWS/Project Number

1212012

Email

Billing Address (if different than Client Address)

Company

Address

City, State & Zip

Contact

Phone

Fax

Email

Turnaround Time Requirements

Standard

5-Day*

3-Day*

48 Hour*

24 Hour*

*Surcharges Will Apply

Samples Collected From
Which State?

NV

CA

Other

Compliance Monitoring?

Yes

No

Report to State EPA?

Yes

No

Report Results Via

Fax

Mail Only

PDF

EDD

Other

Standard QC Required?

Yes

No

Analyses Requested

NO. OF
SAMPLE
CONTAINERS
TYPE

TOC

Spl.
No.

SAMPLE ID/LOCATION

DATE

TIME

63301, 3 DEC

12/3/12

12:00

WW

Instructions/Comments/Special Requirements:

Sample Matrix/
Type Key**

DW = Drinking Water WW = Wastewater SW = Surface Water MW = Monitoring Well SD = Solid/Sludge SO = Soil HW = Hazardous Waste OTHER:

SAMPLE RECEIPT

DATE

TIME

Samples Relinquished By

Samples Received By

Temperature

°C

12/4/12

7:30

Custody Seals Intact? Y N None

12/5/12

11:20

Number of Containers

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compensation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.



WETLAB

WESTERN ENVIRONMENTAL
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475 E. Greg Street #119 | Sparks, Nevada 89431

tel (775) 355-0202 | fax (775) 355-0817

1084 Lamoille Hwy | Elko, Nevada 89801

tel (775) 777-9933 | fax (775) 777-9933 | www.WETLaboratory.com

Lab Number

1212012

Report

Due Date

12/10/12

Page

of

Turnaround Time Requirements

Standard

5-Day

3-Day*

48 Hour*

24 Hour*

*Surcharges Will Apply

Samples Collected From
Which State?

CA

Other

Report Results Via

Fax

Mail Only

PDF

EDD

Other:

Compliance Monitoring?

Yes

No

Report to Regulatory Agency?

Yes

No

Standard QC Required?

Yes

No

Client

KCA

Address

City, State & Zip

Contact

Phone

Collector's Name

Jim DeSlopp

Fax

PWS/Project Name

Eagle Gold

P.O. Number

PWS/Project Number

Email

Billing Address (if different than Client Address)

Company

Address

City, State & Zip

Contact

Phone

Fax

Email

NO. OF
SAMPLE
CONTAINERS
TYPE

Analyses Requested

Profile II
WAD + TOTAL C
Total Organic Carbon
CNO, SCN
Nitrate Nitrogen
Nitrite Nitrogen
Total Nitrogen (Calc)
Total Kjeldahl Nitrogen

Spl.
No.

SAMPLE ID/LOCATION

DATE

TIME

63301, 3 Dec

3 Dec

1200

"

1

X

X

X

X

X

X

1

1

X

X

1

1212

3

Instructions/Comments/Special Requirements:

012

1

Sample Matrix/
Type Key**

DW = Drinking Water WW = Wastewater SW = Surface Water MW = Monitoring Well SD = Solid/Sludge SO = Soil HW = Hazardous Waste OTHER:

SAMPLE RECEIPT

DATE

TIME

Samples Relinquished By

Samples Received By

Temperature

20.0 °C

3 Dec

1200

Custody Seals Intact? Y N None

Number of Containers

2

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

Client/Collector attests to the validity and authenticity of this (these) sample(s) and, is (are) aware that tampering with or intentionally mislabeling the sample(s) location, date or time of collection may be considered fraud and subject to legal action (NAC445.0636).

To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compensation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

Specializing in Soil, Hazardous Waste and Water Analysis.

12/17/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1212039

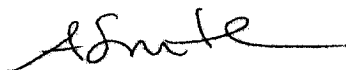
Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 12/4/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,



Andy Smith
QA Manager

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
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fax (775) 355-0817

ELKO

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Elko, Nevada 89801
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LAS VEGAS

3230 Polaris Ave., Suite 4
Las Vegas, Nevada 89102
tel (702) 475-8899
fax (702) 776-6152

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1212039

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1212039-001 Mercury

1212039-002 Mercury

1212039-003 Molybdenum, Mercury, Selenium

The reporting limits have been adjusted accordingly.

Subcontracting Comments

The analysis for Total Organic Carbon was performed by Associated Laboratories of Orange, CA. Their report is attached.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 12/17/2012

OrderID: 1212039

Customer Sample ID: 63304, 3 Dec

Collect Date/Time: 12/4/2012 10:00

WETLAB Sample ID: 1212039-001

Receive Date: 12/4/2012 10:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	2.7	mg/L	0.20	12/7/2012
Cyanate	SM 4500 CNL	5.5	mg/L	0.10	12/7/2012
pH	SM 4500-H+ B	8.66	pH Units		12/5/2012
Trace Metals Digestion, Dissolved	EPA 200.2	Complete			12/7/2012
Bicarbonate (HCO ₃)	SM 2320B	1100	mg/L	1.0	12/5/2012
Carbonate (CO ₃)	SM 2320B	47	mg/L	1.0	12/5/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/5/2012
Total Alkalinity	SM 2320B	1000	mg/L as CaCO ₃	1.0	12/5/2012
Redox Potential	SM 2580B	240	mV		12/5/2012
Chloride	EPA 300.0	22	mg/L	1.0	12/5/2012
Fluoride	EPA 300.0	2.1	mg/L	1.0	12/5/2012
Sulfate	EPA 300.0	1100	mg/L	10	12/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	12/5/2012
Nitrite Nitrogen	EPA 300.0	9.0	mg/L	0.25	12/5/2012
Total Kjeldahl Nitrogen	EPA 351.2	7.6	mg/L	5.0	12/11/2012
Total Nitrogen	Calc.	9.0	mg/L	0.070	12/11/2012
Total Cyanide	SM 4500CNC	7.6	mg/L	2.5	12/6/2012
Total Dissolved Solids (TDS)	SM 2540C	2500	mg/L	10	12/5/2012
WAD Cyanide	SM 4500CNI	0.25	mg/L	0.050	12/6/2012
Electrical Conductivity	SM 2510B	4100	µmhos/cm	1	12/11/2012
Aluminum, Dissolved	EPA 200.7	1.1	mg/L	0.045	12/10/2012
Barium, Dissolved	EPA 200.7	0.036	mg/L	0.010	12/10/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	12/10/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Boron, Dissolved	EPA 200.7	0.15	mg/L	0.10	12/10/2012
Cadmium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	12/10/2012
Calcium, Dissolved	EPA 200.7	17	mg/L	0.50	12/10/2012

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Customer Sample ID: 63304, 3 Dec

Collect Date/Time: 12/4/2012 10:00

WETLAB Sample ID: 1212039-001

Receive Date: 12/4/2012 10:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	12/10/2012
Cobalt, Dissolved	EPA 200.7	0.23	mg/L	0.010	12/10/2012
Copper, Dissolved	EPA 200.7	<0.050	mg/L	0.050	12/10/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Iron, Dissolved	EPA 200.7	3.2	mg/L	0.010	12/10/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Magnesium, Dissolved	EPA 200.7	3.2	mg/L	0.50	12/10/2012
Manganese, Dissolved	EPA 200.7	0.068	mg/L	0.0050	12/10/2012
Molybdenum, Dissolved	EPA 200.7	0.12	mg/L	0.010	12/10/2012
Nickel, Dissolved	EPA 200.7	<0.010	mg/L	0.010	12/10/2012
Phosphorus, Dissolved	EPA 200.7	0.53	mg/L	0.50	12/10/2012
Potassium, Dissolved	EPA 200.7	12	mg/L	0.50	12/10/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	12/10/2012
Sodium, Dissolved	EPA 200.7	1000	mg/L	5.0	12/10/2012
Strontium, Dissolved	EPA 200.7	0.48	mg/L	0.10	12/10/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Vanadium, Dissolved	EPA 200.7	0.021	mg/L	0.010	12/10/2012
Zinc, Dissolved	EPA 200.7	<0.010	mg/L	0.010	12/10/2012
Mercury, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	12/11/2012
Antimony, Dissolved	EPA 200.8	1.3	mg/L	0.12	12/11/2012
Arsenic, Dissolved	EPA 200.8	3.0	mg/L	0.050	12/11/2012
Lead, Dissolved	EPA 200.8	0.090	mg/L	0.0025	12/10/2012
Selenium, Dissolved	EPA 200.8	0.020	mg/L	0.0050	12/10/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	12/10/2012
Anions	Calculation	43.2	meq/L	0.10	
Cations	Calculation	45.2	meq/L	0.10	
Error	Calculation	2.2	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			

Customer Sample ID: 63307, 3 Dec

Collect Date/Time: 12/4/2012 10:00

WETLAB Sample ID: 1212039-002

Receive Date: 12/4/2012 10:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	4.4	mg/L	0.20	12/7/2012
Cyanate	SM 4500 CNL	3.8	mg/L	0.10	12/7/2012
pH	SM 4500-H+ B	8.71	pH Units		12/5/2012

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 2523

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63307, 3 Dec

Collect Date/Time: 12/4/2012 10:00

WETLAB Sample ID: 1212039-002

Receive Date: 12/4/2012 10:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Trace Metals Digestion, Dissolved	EPA 200.2	Complete			12/7/2012
Bicarbonate (HCO ₃)	SM 2320B	1500	mg/L	1.0	12/5/2012
Carbonate (CO ₃)	SM 2320B	69	mg/L	1.0	12/5/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/5/2012
Total Alkalinity	SM 2320B	1300	mg/L as CaCO ₃	1.0	12/5/2012
Redox Potential	SM 2580B	210	mV		12/5/2012
Chloride	EPA 300.0	26	mg/L	1.0	12/5/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	12/5/2012
Sulfate	EPA 300.0	1000	mg/L	10	12/5/2012
Nitrate Nitrogen	EPA 300.0	2.1	mg/L	1.0	12/5/2012
Nitrite Nitrogen	EPA 300.0	0.29	mg/L	0.25	12/5/2012
Total Kjeldahl Nitrogen	EPA 351.2	15	mg/L	10	12/11/2012
Total Nitrogen	Calc.	17	mg/L	0.070	12/11/2012
Total Cyanide	SM 4500CNC	17	mg/L	2.5	12/6/2012
Total Dissolved Solids (TDS)	SM 2540C	2800	mg/L	10	12/5/2012
WAD Cyanide	SM 4500CNI	0.32	mg/L	0.050	12/6/2012
Electrical Conductivity	SM 2510B	4400	µmhos/cm	1	12/11/2012
Aluminum, Dissolved	EPA 200.7	0.73	mg/L	0.045	12/10/2012
Barium, Dissolved	EPA 200.7	0.031	mg/L	0.010	12/10/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	12/10/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Boron, Dissolved	EPA 200.7	0.13	mg/L	0.10	12/10/2012
Cadmium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	12/10/2012
Calcium, Dissolved	EPA 200.7	15	mg/L	0.50	12/10/2012
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	12/10/2012
Cobalt, Dissolved	EPA 200.7	0.22	mg/L	0.010	12/10/2012
Copper, Dissolved	EPA 200.7	<0.050	mg/L	0.050	12/10/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Iron, Dissolved	EPA 200.7	5.3	mg/L	0.010	12/10/2012
Lithium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Magnesium, Dissolved	EPA 200.7	3.4	mg/L	0.50	12/10/2012
Manganese, Dissolved	EPA 200.7	0.044	mg/L	0.0050	12/10/2012
Molybdenum, Dissolved	EPA 200.7	0.13	mg/L	0.010	12/10/2012
Nickel, Dissolved	EPA 200.7	<0.010	mg/L	0.010	12/10/2012
Phosphorus, Dissolved	EPA 200.7	0.65	mg/L	0.50	12/10/2012
Potassium, Dissolved	EPA 200.7	12	mg/L	0.50	12/10/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	12/10/2012

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475 East Greg Street Suite #119
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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63307, 3 Dec

Collect Date/Time: 12/4/2012 10:00

WETLAB Sample ID: 1212039-002

Receive Date: 12/4/2012 10:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium, Dissolved	EPA 200.7	1200	mg/L	5.0	12/10/2012
Strontium, Dissolved	EPA 200.7	0.44	mg/L	0.10	12/10/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Titanium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Vanadium, Dissolved	EPA 200.7	0.027	mg/L	0.010	12/10/2012
Zinc, Dissolved	EPA 200.7	<0.010	mg/L	0.010	12/10/2012
Mercury, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	12/11/2012
Antimony, Dissolved	EPA 200.8	1.3	mg/L	0.12	12/11/2012
Arsenic, Dissolved	EPA 200.8	3.9	mg/L	0.050	12/11/2012
Lead, Dissolved	EPA 200.8	0.059	mg/L	0.0025	12/10/2012
Selenium, Dissolved	EPA 200.8	0.019	mg/L	0.0050	12/10/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	12/10/2012
Anions	Calculation	48.7	meq/L	0.10	
Cations	Calculation	53.9	meq/L	0.10	
Error	Calculation	5.0	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			

Customer Sample ID: 63319, 3 Dec

Collect Date/Time: 12/4/2012 10:00

WETLAB Sample ID: 1212039-003

Receive Date: 12/4/2012 10:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	2.7	mg/L	0.10	12/7/2012
Thiocyanate	SM 4500 CNM	12	mg/L	1.0	12/7/2012
pH	SM 4500-H+ B	8.77	pH Units		12/5/2012
Trace Metals Digestion, Dissolved	EPA 200.2	Complete			12/7/2012
Bicarbonate (HCO ₃)	SM 2320B	910	mg/L	1.0	12/5/2012
Carbonate (CO ₃)	SM 2320B	47	mg/L	1.0	12/5/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/5/2012
Total Alkalinity	SM 2320B	820	mg/L as CaCO ₃	1.0	12/5/2012
Redox Potential	SM 2580B	140	mV		12/5/2012
Chloride	EPA 300.0	650	mg/L	1.0	12/5/2012
Fluoride	EPA 300.0	1.8	mg/L	1.0	12/5/2012
Sulfate	EPA 300.0	190	mg/L	10	12/5/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	12/5/2012
Nitrite Nitrogen	EPA 300.0	0.76	mg/L	0.25	12/5/2012
Total Kjeldahl Nitrogen	EPA 351.2	7.1	mg/L	5.0	12/11/2012
Total Nitrogen	Calc.	0.76	mg/L	0.070	12/11/2012
Total Cyanide	SM 4500CNC	2.9	mg/L	2.5	12/6/2012

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 EPA Lab ID: NV00932

Customer Sample ID: 63319, 3 Dec

Collect Date/Time: 12/4/2012 10:00

WETLAB Sample ID: 1212039-003

Receive Date: 12/4/2012 10:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Dissolved Solids (TDS)	SM 2540C	2000	mg/L	10	12/5/2012
WAD Cyanide	SM 4500CNI	0.10	mg/L	0.010	12/6/2012
Electrical Conductivity	SM 2510B	3700	µmhos/cm	1	12/11/2012
Aluminum, Dissolved	EPA 200.7	0.23	mg/L	0.045	12/10/2012
Barium, Dissolved	EPA 200.7	0.016	mg/L	0.010	12/10/2012
Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	12/10/2012
Bismuth, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Boron, Dissolved	EPA 200.7	0.53	mg/L	0.10	12/10/2012
Cadmium, Dissolved	EPA 200.7	<0.0010	mg/L	0.0010	12/10/2012
Calcium, Dissolved	EPA 200.7	8.2	mg/L	0.50	12/10/2012
Chromium, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	12/10/2012
Cobalt, Dissolved	EPA 200.7	0.092	mg/L	0.010	12/10/2012
Copper, Dissolved	EPA 200.7	<0.050	mg/L	0.050	12/10/2012
Gallium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Iron, Dissolved	EPA 200.7	0.77	mg/L	0.010	12/10/2012
Lithium, Dissolved	EPA 200.7	0.32	mg/L	0.10	12/10/2012
Magnesium, Dissolved	EPA 200.7	2.3	mg/L	0.50	12/10/2012
Manganese, Dissolved	EPA 200.7	0.011	mg/L	0.0050	12/10/2012
Molybdenum, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Nickel, Dissolved	EPA 200.7	<0.010	mg/L	0.010	12/10/2012
Phosphorus, Dissolved	EPA 200.7	0.71	mg/L	0.50	12/10/2012
Potassium, Dissolved	EPA 200.7	11	mg/L	0.50	12/10/2012
Scandium, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Silver, Dissolved	EPA 200.7	<0.0050	mg/L	0.0050	12/10/2012
Sodium, Dissolved	EPA 200.7	830	mg/L	5.0	12/10/2012
Strontium, Dissolved	EPA 200.7	0.25	mg/L	0.10	12/10/2012
Tin, Dissolved	EPA 200.7	<0.10	mg/L	0.10	12/10/2012
Titanium, Dissolved	EPA 200.7	<1.0	mg/L	1.0	12/10/2012
Vanadium, Dissolved	EPA 200.7	0.027	mg/L	0.010	12/10/2012
Zinc, Dissolved	EPA 200.7	<0.010	mg/L	0.010	12/10/2012
Mercury, Dissolved	EPA 200.8	<0.010	mg/L	0.010	12/11/2012
Antimony, Dissolved	EPA 200.8	0.68	mg/L	0.025	12/11/2012
Arsenic, Dissolved	EPA 200.8	5.5	mg/L	0.050	12/11/2012
Lead, Dissolved	EPA 200.8	0.028	mg/L	0.0025	12/10/2012
Selenium, Dissolved	EPA 200.8	<0.050	mg/L	0.050	12/11/2012
Thallium, Dissolved	EPA 200.8	<0.0010	mg/L	0.0010	12/10/2012
Anions	Calculation	38.9	meq/L	0.10	
Cations	Calculation	37.1	meq/L	0.10	

Customer Sample ID: 63319, 3 Dec

Collect Date/Time: 12/4/2012 10:00

WETLAB Sample ID: 1212039-003

Receive Date: 12/4/2012 10:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Error	Calculation	2.4	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12120160	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12120160	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12120160	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12120165	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12120165	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12120165	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12120169	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120169	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120169	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120170	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120170	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120170	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120171	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12120171	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12120171	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12120201	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12120201	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12120202	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120202	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120250	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120250	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120300	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12120300	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12120310	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12120310	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12120318	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Beryllium, Dissolved	EPA 200.7	<0.0010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Cadmium, Dissolved	EPA 200.7	<0.0010	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Copper, Dissolved	EPA 200.7	<0.050	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12120334	Blank 1	Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
		Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
QC12120361	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12120386	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120386	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120386	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120386	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12120156	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC12120160	LCS 1	Fluoride	EPA 300.0	1.85	2.00	92	mg/L
QC12120165	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC12120169	LCS 1	Nitrite Nitrogen	EPA 300.0	0.535	0.500	107	mg/L
QC12120170	LCS 1	Nitrate Nitrogen	EPA 300.0	1.90	2.00	95	mg/L
QC12120171	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC12120184	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12120184	LCS 2	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC12120184	LCS 3	pH	SM 4500-H+ B	7.02	7.00	100	pH Units
QC12120186	LCS 1	Total Alkalinity	SM 2320B	99.7	100	100	mg/L
QC12120186	LCS 2	Total Alkalinity	SM 2320B	98.8	100	99	mg/L
QC12120186	LCS 3	Total Alkalinity	SM 2320B	103	100	103	mg/L
QC12120186	LCS 4	Total Alkalinity	SM 2320B	103	100	103	mg/L
QC12120201	LCS 1	Total Cyanide	SM 4500CNC	0.100	0.100	100	mg/L
QC12120202	LCS 1	WAD Cyanide	SM 4500CNI	0.093	0.100	93	mg/L
QC12120250	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L
QC12120250	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L
QC12120300	LCS 1	Cyanate	SM 4500 CNL	1.05	1.00	105	mg/L
QC12120318	LCS 1	Aluminum, Dissolved	EPA 200.7	0.970	1.00	97	mg/L
		Barium, Dissolved	EPA 200.7	0.971	1.00	97	mg/L
		Beryllium, Dissolved	EPA 200.7	0.992	1.00	99	mg/L
		Bismuth, Dissolved	EPA 200.7	1.02	1.00	102	mg/L
		Boron, Dissolved	EPA 200.7	0.923	1.00	92	mg/L
		Cadmium, Dissolved	EPA 200.7	0.988	1.00	99	mg/L
		Calcium, Dissolved	EPA 200.7	9.72	10.0	97	mg/L
		Chromium, Dissolved	EPA 200.7	0.972	1.00	97	mg/L
		Cobalt, Dissolved	EPA 200.7	0.968	1.00	97	mg/L
		Copper, Dissolved	EPA 200.7	4.59	5.00	92	mg/L
		Gallium, Dissolved	EPA 200.7	0.972	1.00	97	mg/L
		Iron, Dissolved	EPA 200.7	0.962	1.00	96	mg/L
		Lithium, Dissolved	EPA 200.7	0.961	1.00	96	mg/L
		Magnesium, Dissolved	EPA 200.7	9.83	10.0	98	mg/L
		Manganese, Dissolved	EPA 200.7	0.980	1.00	98	mg/L
		Molybdenum, Dissolved	EPA 200.7	0.904	1.00	90	mg/L
		Nickel, Dissolved	EPA 200.7	4.82	5.00	96	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12120334	LCS 1	Phosphorus, Dissolved	EPA 200.7	5.12	5.00	102	mg/L
		Potassium, Dissolved	EPA 200.7	9.81	10.0	98	mg/L
		Scandium, Dissolved	EPA 200.7	0.955	1.00	96	mg/L
		Silver, Dissolved	EPA 200.7	0.086	0.090	95	mg/L
		Sodium, Dissolved	EPA 200.7	9.71	10.0	97	mg/L
		Strontium, Dissolved	EPA 200.7	0.982	1.00	98	mg/L
		Tin, Dissolved	EPA 200.7	0.941	1.00	94	mg/L
		Titanium, Dissolved	EPA 200.7	0.912	1.00	91	mg/L
		Vanadium, Dissolved	EPA 200.7	0.978	1.00	98	mg/L
		Zinc, Dissolved	EPA 200.7	0.991	1.00	99	mg/L
		Mercury, Dissolved	EPA 200.8	0.000927	0.001	93	mg/L
		Antimony, Dissolved	EPA 200.8	0.0094	0.010	94	mg/L
		Arsenic, Dissolved	EPA 200.8	0.0475	0.050	95	mg/L
		Lead, Dissolved	EPA 200.8	0.0094	0.010	94	mg/L
		Selenium, Dissolved	EPA 200.8	0.0465	0.050	93	mg/L
		Thallium, Dissolved	EPA 200.8	0.0089	0.010	89	mg/L
QC12120361	LCS 1	Electrical Conductivity	SM 2510B	1432	1412	101	µmhos/cm
QC12120386	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.623	0.690	90	mg/L
QC12120386	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.732	0.690	106	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12120156	Duplicate	Redox Potential	SM 2580B	1212039-001	237	236	mV	<1%
QC12120184	Duplicate	pH	SM 4500-H+ B	1212033-001	7.11	7.13	pH Units	<1%
QC12120184	Duplicate	pH	SM 4500-H+ B	1212033-002	7.11	7.11	pH Units	<1%
QC12120184	Duplicate	pH	SM 4500-H+ B	1212033-004	7.85	7.84	pH Units	<1%
QC12120184	Duplicate	pH	SM 4500-H+ B	1212062-005	7.70	7.70	pH Units	<1%
QC12120184	Duplicate	pH	SM 4500-H+ B	1212067-002	9.71	9.74	pH Units	<1%
QC12120186	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1212033-001	236	236	mg/L	<1%
		Carbonate (CO ₃)	SM 2320B	1212033-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212033-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212033-001	193	193	mg/L as CaCO ₃	<1%
QC12120186	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1212033-002	132	131	mg/L	<1%
		Carbonate (CO ₃)	SM 2320B	1212033-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212033-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212033-002	108	108	mg/L as CaCO ₃	<1%
QC12120186	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1212033-004	371	372	mg/L	<1%
		Carbonate (CO ₃)	SM 2320B	1212033-004	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212033-004	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212033-004	305	305	mg/L as CaCO ₃	<1%
QC12120186	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1212062-005	49.0	47.2	mg/L	4 %
		Carbonate (CO ₃)	SM 2320B	1212062-005	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212062-005	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212062-005	40.2	38.7	mg/L as CaCO ₃	4 %
QC12120186	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1212067-002	<1.000	<1.000	mg/L	<1%
		Carbonate (CO ₃)	SM 2320B	1212067-002	260	260	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212067-002	26.6	29.4	mg/L	10 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
		Total Alkalinity	SM 2320B	1212067-002	510	517	mg/L as CaCO3	1 %
QC12120250	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212011-001	1216	1230	mg/L	1 %
QC12120250	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212026-004	295	284	mg/L	4 %
QC12120250	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1211496-001		2588	mg/L	<1%
QC12120300	Duplicate	Cyanate	SM 4500 CNL	1212039-003	2.65	3.08	mg/L	15 %
QC12120361	Duplicate	Electrical Conductivity	SM 2510B	1212039-001	4080	4080	µmhos/cm	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12120160	MS 1	Fluoride	EPA 300.0	1212062-002	<0.100	1.71	1.73	2.00	mg/L	84	85	1 %
QC12120160	MS 2	Fluoride	EPA 300.0	1212062-006	<0.100	1.73	1.79	2.00	mg/L	84	86	3 %
QC12120165	MS 1	Chloride	EPA 300.0	1212062-002	<1.000	4.95	5.11	5.00	mg/L	99	102	3 %
QC12120165	MS 2	Chloride	EPA 300.0	1212062-006	<1.000	4.95	5.14	5.00	mg/L	98	102	4 %
QC12120169	MS 1	Nitrite Nitrogen	EPA 300.0	1212062-002	<0.025	0.521	0.541	0.500	mg/L	100	104	4 %
QC12120169	MS 2	Nitrite Nitrogen	EPA 300.0	1212062-006	<0.025	0.525	0.549	0.500	mg/L	100	105	4 %
QC12120170	MS 1	Nitrate Nitrogen	EPA 300.0	1212062-002	<1.000	1.89	1.95	2.00	mg/L	92	95	3 %
QC12120170	MS 2	Nitrate Nitrogen	EPA 300.0	1212062-006	<1.000	2.03	2.10	2.00	mg/L	92	96	3 %
QC12120171	MS 1	Sulfate	EPA 300.0	1212062-002	7.91	17.4	17.7	10.0	mg/L	95	98	2 %
QC12120171	MS 2	Sulfate	EPA 300.0	1212062-006	6.70	16.2	16.6	10.0	mg/L	95	99	2 %
QC12120201	MS 1	Total Cyanide	SM 4500CNC	1212074-001	<0.010	0.097	0.096	0.100	mg/L	97	96	1 %
QC12120202	MS 1	WAD Cyanide	SM 4500CNI	1211476-004	0.013	0.110	0.112	0.100	mg/L	97	99	2 %
QC12120310	MS 1	Thiocyanate	SM 4500 CN	1212039-003	12.0	1.68	1.67	0.500	mg/L	97	94	1 %
QC12120318	MS 1	Aluminum, Dissolved	EPA 200.7	1212104-001	<0.045	0.974	0.970	1.00	mg/L	97	96	<1%
		Barium, Dissolved	EPA 200.7	1212104-001	0.079	1.04	1.04	1.00	mg/L	96	96	<1%
		Beryllium, Dissolved	EPA 200.7	1212104-001	<0.001	1.01	0.999	1.00	mg/L	101	100	1 %
		Bismuth, Dissolved	EPA 200.7	1212104-001	<0.100	0.974	0.971	1.00	mg/L	98	98	<1%
		Boron, Dissolved	EPA 200.7	1212104-001	<0.100	1.03	1.02	1.00	mg/L	99	98	1 %
		Cadmium, Dissolved	EPA 200.7	1212104-001	<0.001	0.990	0.981	1.00	mg/L	99	98	1 %
		Calcium, Dissolved	EPA 200.7	1212104-001	45.0	54.6	53.9	10.0	mg/L	96	89	1 %
		Chromium, Dissolved	EPA 200.7	1212104-001	<0.005	0.976	0.969	1.00	mg/L	98	97	1 %
		Cobalt, Dissolved	EPA 200.7	1212104-001	<0.010	0.934	0.928	1.00	mg/L	93	93	1 %
		Copper, Dissolved	EPA 200.7	1212104-001	<0.050	4.65	4.60	5.00	mg/L	93	92	1 %
		Gallium, Dissolved	EPA 200.7	1212104-001	<0.100	0.982	0.978	1.00	mg/L	98	97	<1%
		Iron, Dissolved	EPA 200.7	1212104-001	0.051	1.03	1.02	1.00	mg/L	98	97	1 %
		Lithium, Dissolved	EPA 200.7	1212104-001	<0.100	0.941	0.934	1.00	mg/L	93	92	1 %
		Magnesium, Dissolved	EPA 200.7	1212104-001	21.7	31.1	30.8	10.0	mg/L	94	91	1 %
		Manganese, Dissolved	EPA 200.7	1212104-001	0.054	1.04	1.03	1.00	mg/L	99	98	1 %
		Molybdenum, Dissolved	EPA 200.7	1212104-001	<0.010	0.943	0.927	1.00	mg/L	94	92	2 %
		Nickel, Dissolved	EPA 200.7	1212104-001	<0.010	4.65	4.61	5.00	mg/L	93	92	1 %
		Phosphorus, Dissolved	EPA 200.7	1212104-001	<0.500	5.27	5.22	5.00	mg/L	104	103	1 %
		Potassium, Dissolved	EPA 200.7	1212104-001	3.22	12.7	12.7	10.0	mg/L	95	95	<1%
		Scandium, Dissolved	EPA 200.7	1212104-001	<0.100	0.957	0.945	1.00	mg/L	96	94	1 %
		Silver, Dissolved	EPA 200.7	1212104-001	<0.005	0.087	0.086	0.090	mg/L	97	96	1 %
		Sodium, Dissolved	EPA 200.7	1212104-001	9.71	19.1	19.4	10.0	mg/L	94	97	2 %
		Strontium, Dissolved	EPA 200.7	1212104-001	0.179	1.13	1.09	1.00	mg/L	95	91	4 %
		Tin, Dissolved	EPA 200.7	1212104-001	<0.100	0.921	0.906	1.00	mg/L	95	94	2 %
		Titanium, Dissolved	EPA 200.7	1212104-001	<0.100	0.962	0.949	1.00	mg/L	96	95	1 %
		Vanadium, Dissolved	EPA 200.7	1212104-001	0.026	1.01	1.00	1.00	mg/L	98	97	1 %
		Zinc, Dissolved	EPA 200.7	1212104-001	<0.010	0.998	0.988	1.00	mg/L	100	99	1 %
QC12120334	MS 1	Mercury, Dissolved	EPA 200.8	1212104-001	<0.00010	0.000894	0.000908	0.001	mg/L	89	91	2 %
		Antimony, Dissolved	EPA 200.8	1212104-001	0.0072	0.0164	0.0162	0.010	mg/L	92	90	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Arsenic, Dissolved	EPA 200.8	1212104-001	0.0052	0.0594	0.0579	0.050	mg/L	108	105	3 %
		Lead, Dissolved	EPA 200.8	1212104-001	<0.0025	0.0091	0.0091	0.010	mg/L	91	91	<1%
		Selenium, Dissolved	EPA 200.8	1212104-001	<0.0050	0.0475	0.0462	0.050	mg/L	95	92	3 %
		Thallium, Dissolved	EPA 200.8	1212104-001	<0.0010	0.0089	0.0089	0.010	mg/L	88	88	<1%
QC12120386	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1212138-001	0.125	M 0.668	0.484	0.690	mg/L	NC	NC	NC
QC12120386	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1211462-002	0.495	M 0.952	0.854	0.690	mg/L	NC	NC	NC
QC12120386	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1211503-001	1.25	1.92	1.62	0.690	mg/L	98	54	17 %



Associated Laboratories

806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
Info@associatedlabs.com



Client: Western Environmental Testing Lab.
Address: 475 E. Greg St
Suite 119
Sparks, NV 89431
Attn: Scott Thompson

Lab Request: 314797
Report Date: 12/12/2012
Date Received: 12/05/2012

Client ID: 10124

Comments: #1212039

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAP are indicated on the report. This cover letter is an integral part of the final report.

<u>Sample #</u>	<u>Client Sample ID</u>
314797-001	63304, 3 Dec
314797-002	63307, 3 Dec
314797-003	63319, 3 Dec

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Lab Director

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date reported.

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Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 12/04/2012 10:00	Site:	Notes:
Sample #: 314797-001	Client Sample #: 63304, 3 Dec	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1132227
Total Organic Carbon (TOC)	27.0	2	1	mg/L	12/07/12	quang	

Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 12/04/2012 10:00	Site:	Notes:
Sample #: 314797-002	Client Sample #: 63307, 3 Dec	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1132227
Total Organic Carbon (TOC)	41.0	2	1	mg/L	12/07/12	quang	

Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 12/04/2012 10:00	Site:	Notes:
Sample #: 314797-003	Client Sample #: 63319, 3 Dec	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1132227
Total Organic Carbon (TOC)	28.0	2	1	mg/L	12/07/12	quang	

ND = Not Detected or < RDL

RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 314797 Page 2 of 2



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #314797

QCBatchID: QC1132227	Analyst: quang	Method: SM 5310B
Matrix: Water	Analyzed: 12/07/2012	Instrument: TOC-BIO (group)

Blank Summary						
Analyte	Blank Result	Units		RDL	Notes	
QC1132227MB1						
Total Organic Carbon (TOC)	ND	mg/L		0.5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1132227LCS1											
Total Organic Carbon (TOC)	10		9.8		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1132227MS1, QC1132227MSD1											Source: 314871-001	
Total Organic Carbon (TOC)	13.0	10	10	22.6	23.0	mg/L	96	100	1.8	80-120	20	

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report
Lab Request 314797 Page 1 of 2



Notes and Definitions

B	Analyte was present in an associated method blank. Associated sample data was reported with qualifier.
C	Laboratory Contamination.
D	The sample duplicate RPD was not within control limits, the sample data was reported without further clarification.
DF	Dilution Factor
DW	Sample result is calculated on a dry weigh basis
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
MDL	Method Detection Limit
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
ND	Analyte was not detected or was less than the detection limit.
P	Sample was received without proper preservation according to EPA guidelines.
RDL	Reporting Detection Limit
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
T	Sample was extracted/analyzed past the holding time.
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor



**ASSOCIATED LABORATORIES**

806 North Batavia – Orange, California 92868 – 714-771-6900

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST**Section 1**Client: wetlabDate Received: 12-5-12Sample(s) received in cooler: Yes

Shipping Information: _____

Project: _____

Sampler's Name: Yes No
No (Skip Section 2) Yes**Section 2**Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____Cooler or box temperature: 4.2

(Acceptance range is 0 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	☒	☐	☐
Is it properly completed? (IDs, sampling date and time, signature, test)	☒	☐	☐
Were custody seals present?	☐	☐	☒
If Yes – were they intact?	☐	☐	☒
Were all samples sealed in plastic bags?	☒	☐	☐
Did all samples arrive intact? If no, indicate below.	☒	☐	☐
Did all bottle labels agree with COC? (ID, dates and times)	☒	☐	☐
Were correct containers used for the tests required?	☒	☐	☐
Was a sufficient amount of sample sent for tests indicated?	☒	☐	☐
Was there headspace in VOA vials?	☐	☐	☒
Were the containers labeled with correct preservatives?	☒	☐	☐
Was total residual chlorine measured (Fish Bioassay samples only)? *	☐	☐	☒

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

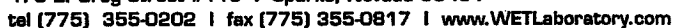
Section 4

Explanations/Comments

Section 5

Was Project Manager notified of discrepancies: Y / N N/A

Completed By: phong Date: 12-7-12



Page _____ of _____

301.2E

Specializing in Soil, Hazardous Waste and Water Analysis.

12/26/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1212169

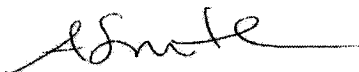
Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 12/10/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,



Andy Smith
QA Manager

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
tel [775] 355-0202
fax [775] 355-0817

ELKO

1084 Lamoille Hwy.
Elko, Nevada 89801
tel [775] 777-9933
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LAS VEGAS

3230 Polaris Ave., Suite 4
Las Vegas, Nevada 89102
tel [702] 475-8899
fax [702] 776-6152

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassidy and Associates - 1212169

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1212169-002 Molybdenum

The reporting limits have been adjusted accordingly.

Subcontracting Comments

The analysis for Total Organic Carbon was performed by Associated Laboratories of Orange, CA. Their report is attached.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 12/26/2012

OrderID: 1212169

Customer Sample ID: 63301, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-001

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	3.5	mg/L	0.20	12/17/2012
Cyanate	SM 4500 CNL	3.9	mg/L	0.10	12/14/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.32	mg/L	0.050	12/17/2012
pH	SM 4500-H+ B	8.71	pH Units		12/10/2012
Trace Metals Digestion	EPA 200.2	Complete			12/12/2012
Acidity (Titrimetric)	SM 2310B	-411	mg/L as CaCO3		12/13/2012
Bicarbonate (HCO3)	SM 2320B	380	mg/L	1.0	12/10/2012
Carbonate (CO3)	SM 2320B	19	mg/L	1.0	12/10/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/10/2012
Total Alkalinity	SM 2320B	340	mg/L as CaCO3	1.0	12/10/2012
Redox Potential	SM 2580B	220	mV		12/11/2012
Chloride	EPA 300.0	16	mg/L	1.0	12/11/2012
Fluoride	EPA 300.0	3.9	mg/L	1.0	12/11/2012
Sulfate	EPA 300.0	670	mg/L	10	12/11/2012
Nitrate Nitrogen	EPA 300.0	0.60	mg/L	0.10	12/11/2012
Nitrite Nitrogen	EPA 300.0	3.0	mg/L	0.25	12/11/2012
Total Kjeldahl Nitrogen	EPA 351.2	7.5	mg/L	1.0	12/13/2012
Total Nitrogen	Calc.	11	mg/L	0.070	12/13/2012
Total Cyanide	SM 4500CNC	18	mg/L	1.0	12/12/2012
Total Dissolved Solids (TDS)	SM 2540C	1600	mg/L	10	12/12/2012
WAD Cyanide	SM 4500CNI	0.17	mg/L	0.010	12/13/2012
Electrical Conductivity	SM 2510B	2400	µmhos/cm	1	12/17/2012
Aluminum	EPA 200.7	5.4	mg/L	0.045	12/12/2012
Barium	EPA 200.7	0.046	mg/L	0.010	12/12/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	12/12/2012
Boron	EPA 200.7	0.12	mg/L	0.020	12/12/2012
Calcium	EPA 200.7	9.9	mg/L	0.50	12/12/2012

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Customer Sample ID: 63301, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-001

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.12	mg/L	0.0100	12/12/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	12/12/2012
Iron	EPA 200.7	5.7	mg/L	0.010	12/12/2012
Lithium	EPA 200.7	0.024	mg/L	0.020	12/12/2012
Magnesium	EPA 200.7	2.0	mg/L	0.50	12/12/2012
Manganese	EPA 200.7	0.070	mg/L	0.0050	12/12/2012
Molybdenum	EPA 200.7	0.093	mg/L	0.010	12/12/2012
Phosphorus	EPA 200.7	1.2	mg/L	0.10	12/12/2012
Potassium	EPA 200.7	8.6	mg/L	0.50	12/12/2012
Scandium	EPA 200.7	0.0011	mg/L	0.0010	12/12/2012
Silicon	EPA 200.7	28	mg/L	0.10	12/12/2012
Sodium	EPA 200.7	510	mg/L	0.50	12/12/2012
Strontium	EPA 200.7	0.23	mg/L	0.10	12/12/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	12/12/2012
Titanium	EPA 200.7	0.097	mg/L	0.0050	12/12/2012
Vanadium	EPA 200.7	0.042	mg/L	0.010	12/12/2012
Zinc	EPA 200.7	0.054	mg/L	0.010	12/12/2012
Mercury	EPA 200.8	0.0009	mg/L	0.00007	12/13/2012
Antimony	EPA 200.8	1.3	mg/L	0.050	12/17/2012
Arsenic	EPA 200.8	6.6	mg/L	0.050	12/13/2012
Beryllium	EPA 200.8	0.0005	mg/L	0.0002	12/17/2012
Cadmium	EPA 200.8	0.0011	mg/L	0.0002	12/14/2012
Chromium	EPA 200.8	0.0045	mg/L	0.0010	12/17/2012
Copper	EPA 200.8	0.20	mg/L	0.10	12/14/2012
Lead	EPA 200.8	0.18	mg/L	0.025	12/13/2012
Nickel	EPA 200.8	0.14	mg/L	0.050	12/14/2012
Selenium	EPA 200.8	0.027	mg/L	0.0050	12/13/2012
Silver	EPA 200.8	<0.0005	mg/L	0.0005	12/14/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	12/13/2012
Uranium	EPA 200.8	0.48	mg/L	0.050	12/13/2012
Total Organic Carbon (TOC)	N/A	See Attached			

Customer Sample ID: 63316, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-002

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	2.3	mg/L	0.10	12/14/2012
Thiocyanate	SM 4500 CNM	1.1	mg/L	0.20	12/17/2012

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Customer Sample ID: 63316, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-002

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	0.18	mg/L	0.050	12/17/2012
pH	SM 4500-H+ B	8.79	pH Units		12/10/2012
Trace Metals Digestion	EPA 200.2	Complete			12/12/2012
Acidity (Titrimetric)	SM 2310B	-92	mg/L as CaCO3		12/13/2012
Bicarbonate (HCO3)	SM 2320B	460	mg/L	1.0	12/10/2012
Carbonate (CO3)	SM 2320B	29	mg/L	1.0	12/10/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/10/2012
Total Alkalinity	SM 2320B	430	mg/L as CaCO3	1.0	12/10/2012
Redox Potential	SM 2580B	250	mV		12/11/2012
Chloride	EPA 300.0	18	mg/L	1.0	12/11/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	12/11/2012
Sulfate	EPA 300.0	540	mg/L	10	12/11/2012
Nitrate Nitrogen	EPA 300.0	0.41	mg/L	0.10	12/11/2012
Nitrite Nitrogen	EPA 300.0	8.0	mg/L	0.25	12/11/2012
Total Kjeldahl Nitrogen	EPA 351.2	1.6	mg/L	0.10	12/13/2012
Total Nitrogen	Calc.	9.5	mg/L	0.070	12/13/2012
Total Cyanide	SM 4500CNC	0.087	mg/L	0.010	12/12/2012
Total Dissolved Solids (TDS)	SM 2540C	1400	mg/L	10	12/12/2012
WAD Cyanide	SM 4500CNI	0.015	mg/L	0.010	12/13/2012
Electrical Conductivity	SM 2510B	2100	µmhos/cm	1	12/17/2012
Aluminum	EPA 200.7	2.4	mg/L	0.045	12/12/2012
Barium	EPA 200.7	0.028	mg/L	0.010	12/12/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	12/12/2012
Boron	EPA 200.7	0.079	mg/L	0.020	12/12/2012
Calcium	EPA 200.7	6.0	mg/L	0.50	12/12/2012
Cobalt	EPA 200.7	0.0054	mg/L	0.0020	12/12/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	12/12/2012
Iron	EPA 200.7	1.2	mg/L	0.010	12/12/2012
Lithium	EPA 200.7	<0.020	mg/L	0.020	12/12/2012
Magnesium	EPA 200.7	0.51	mg/L	0.50	12/12/2012
Manganese	EPA 200.7	0.032	mg/L	0.0050	12/12/2012
Molybdenum	EPA 200.7	<0.025	mg/L	0.025	12/13/2012
Phosphorus	EPA 200.7	0.30	mg/L	0.10	12/12/2012
Potassium	EPA 200.7	6.1	mg/L	0.50	12/12/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	12/12/2012
Silicon	EPA 200.7	19	mg/L	0.10	12/12/2012
Sodium	EPA 200.7	450	mg/L	0.50	12/12/2012
Strontium	EPA 200.7	0.12	mg/L	0.0020	12/12/2012

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Customer Sample ID: 63316, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-002

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Tin	EPA 200.7	<0.010	mg/L	0.010	12/12/2012
Titanium	EPA 200.7	0.042	mg/L	0.0050	12/12/2012
Vanadium	EPA 200.7	0.029	mg/L	0.010	12/12/2012
Zinc	EPA 200.7	0.039	mg/L	0.010	12/12/2012
Mercury	EPA 200.8	0.00058	mg/L	0.00007	12/13/2012
Antimony	EPA 200.8	0.99	mg/L	0.050	12/17/2012
Arsenic	EPA 200.8	5.1	mg/L	0.050	12/13/2012
Beryllium	EPA 200.8	<0.001000	mg/L	0.001000	12/17/2012
Cadmium	EPA 200.8	0.0014	mg/L	0.00100	12/14/2012
Chromium	EPA 200.8	0.0020	mg/L	0.0010	12/17/2012
Copper	EPA 200.8	0.26	mg/L	0.10	12/14/2012
Lead	EPA 200.8	0.22	mg/L	0.025	12/13/2012
Nickel	EPA 200.8	0.077	mg/L	0.050	12/14/2012
Selenium	EPA 200.8	0.016	mg/L	0.0050	12/13/2012
Silver	EPA 200.8	0.0013	mg/L	0.0005	12/14/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	12/13/2012
Uranium	EPA 200.8	0.12	mg/L	0.0050	12/13/2012
Total Organic Carbon (TOC)	N/A	See Attached			

Customer Sample ID: 63322, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-003

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	5.3	mg/L	0.10	12/14/2012
Thiocyanate	SM 4500 CNM	1.2	mg/L	0.20	12/17/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.33	mg/L	0.050	12/17/2012
pH	SM 4500-H+ B	8.88	pH Units		12/10/2012
Trace Metals Digestion	EPA 200.2	Complete			12/12/2012
Acidity (Titrimetric)	SM 2310B	-183	mg/L as CaCO3		12/13/2012
Bicarbonate (HCO3)	SM 2320B	580	mg/L	1.0	12/10/2012
Carbonate (CO3)	SM 2320B	49	mg/L	1.0	12/10/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/10/2012
Total Alkalinity	SM 2320B	560	mg/L as CaCO3	1.0	12/10/2012
Redox Potential	SM 2580B	240	mV		12/11/2012
Chloride	EPA 300.0	85	mg/L	1.0	12/11/2012
Fluoride	EPA 300.0	1.2	mg/L	1.0	12/11/2012
Sulfate	EPA 300.0	1100	mg/L	10	12/11/2012
Nitrate Nitrogen	EPA 300.0	0.74	mg/L	0.10	12/11/2012

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Customer Sample ID: 63322, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-003

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrite Nitrogen	EPA 300.0	0.26	mg/L	0.25	12/11/2012
Total Kjeldahl Nitrogen	EPA 351.2	0.89	mg/L	0.10	12/13/2012
Total Nitrogen	Calc.	1.2	mg/L	0.070	12/13/2012
Total Cyanide	SM 4500CNC	0.33	mg/L	0.050	12/12/2012
Total Dissolved Solids (TDS)	SM 2540C	2400	mg/L	10	12/12/2012
WAD Cyanide	SM 4500CNI	0.16	mg/L	0.010	12/13/2012
Electrical Conductivity	SM 2510B	3600	µmhos/cm	1	12/17/2012
Aluminum	EPA 200.7	0.95	mg/L	0.045	12/12/2012
Barium	EPA 200.7	0.021	mg/L	0.010	12/12/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	12/12/2012
Boron	EPA 200.7	0.16	mg/L	0.020	12/12/2012
Calcium	EPA 200.7	11	mg/L	0.50	12/12/2012
Cobalt	EPA 200.7	0.0096	mg/L	0.0020	12/12/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	12/12/2012
Iron	EPA 200.7	0.50	mg/L	0.010	12/12/2012
Lithium	EPA 200.7	0.15	mg/L	0.020	12/12/2012
Magnesium	EPA 200.7	2.6	mg/L	0.50	12/12/2012
Manganese	EPA 200.7	0.013	mg/L	0.0050	12/12/2012
Molybdenum	EPA 200.7	0.007	mg/L	0.0050	12/12/2012
Phosphorus	EPA 200.7	0.25	mg/L	0.10	12/12/2012
Potassium	EPA 200.7	9.5	mg/L	0.50	12/12/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	12/12/2012
Silicon	EPA 200.7	16	mg/L	0.10	12/12/2012
Sodium	EPA 200.7	810	mg/L	2.5	12/13/2012
Strontium	EPA 200.7	0.29	mg/L	0.020	12/12/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	12/12/2012
Titanium	EPA 200.7	0.022	mg/L	0.0050	12/12/2012
Vanadium	EPA 200.7	0.017	mg/L	0.010	12/12/2012
Zinc	EPA 200.7	0.031	mg/L	0.010	12/12/2012
Mercury	EPA 200.8	0.00034	mg/L	0.00007	12/14/2012
Antimony	EPA 200.8	0.41	mg/L	0.025	12/13/2012
Arsenic	EPA 200.8	2.7	mg/L	0.050	12/13/2012
Beryllium	EPA 200.8	<0.001000	mg/L	0.001000	12/17/2012
Cadmium	EPA 200.8	0.0011	mg/L	0.00100	12/14/2012
Chromium	EPA 200.8	0.0015	mg/L	0.0010	12/17/2012
Copper	EPA 200.8	0.27	mg/L	0.0050	12/14/2012
Lead	EPA 200.8	0.11	mg/L	0.025	12/13/2012
Nickel	EPA 200.8	0.0035	mg/L	0.0020	12/14/2012

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Customer Sample ID: 63322, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-003

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Selenium	EPA 200.8	0.014	mg/L	0.0050	12/13/2012
Silver	EPA 200.8	0.0015	mg/L	0.0005	12/14/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	12/13/2012
Uranium	EPA 200.8	0.12	mg/L	0.0050	12/13/2012
Total Organic Carbon (TOC)	N/A	See Attached			

Western Environmental Testing Laboratory

QC Report

QC Batch ID	QC Type	Parameter	Method	Result	Units
QC12120391	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12120391	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12120391	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12120394	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12120394	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12120394	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12120397	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120397	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120397	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120400	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120400	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120400	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120402	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12120402	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12120402	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12120431	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silicon, Dissolved	EPA 200.7	<0.10	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC12120438	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120438	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120464	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12120464	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12120476	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120476	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120477	Blank 1	Uranium, Dissolved	EPA 200.8	<0.0050	mg/L
		Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Copper, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
QC12120524	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12120524	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12120544	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120544	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120544	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120561	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12120567	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12120567	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12120611	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12120611	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12120350	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12120350	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12120350	LCS 3	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12120353	LCS 1	Total Alkalinity	SM 2320B	99.8	100	100	mg/L
QC12120353	LCS 2	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC12120353	LCS 3	Total Alkalinity	SM 2320B	100	100	100	mg/L
QC12120353	LCS 4	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC12120390	LCS 1	Redox Potential	SM 2580B	219	221	99	mV
QC12120390	LCS 2	Redox Potential	SM 2580B	219	221	99	mV
QC12120391	LCS 1	Fluoride	EPA 300.0	1.83	2.00	91	mg/L
QC12120394	LCS 1	Chloride	EPA 300.0	10.4	10.0	104	mg/L
QC12120397	LCS 1	Nitrite Nitrogen	EPA 300.0	0.507	0.500	101	mg/L
QC12120400	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	2.00	100	mg/L
QC12120402	LCS 1	Sulfate	EPA 300.0	24.3	25.0	97	mg/L
QC12120431	LCS 1	Aluminum, Dissolved	EPA 200.7	0.928	1.00	93	mg/L
		Barium, Dissolved	EPA 200.7	0.955	1.00	96	mg/L
		Bismuth, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Boron, Dissolved	EPA 200.7	0.932	1.00	93	mg/L
		Calcium, Dissolved	EPA 200.7	9.85	10.0	98	mg/L
		Cobalt, Dissolved	EPA 200.7	0.973	1.00	97	mg/L
		Gallium, Dissolved	EPA 200.7	0.955	1.00	96	mg/L
		Iron, Dissolved	EPA 200.7	0.966	1.00	97	mg/L
		Lithium, Dissolved	EPA 200.7	0.961	1.00	96	mg/L
		Magnesium, Dissolved	EPA 200.7	9.54	10.0	95	mg/L
		Manganese, Dissolved	EPA 200.7	0.965	1.00	96	mg/L
		Molybdenum, Dissolved	EPA 200.7	0.959	1.00	96	mg/L
		Phosphorus, Dissolved	EPA 200.7	4.91	5.00	98	mg/L
		Potassium, Dissolved	EPA 200.7	9.77	10.0	98	mg/L
		Scandium, Dissolved	EPA 200.7	0.964	1.00	96	mg/L
		Silicon, Dissolved	EPA 200.7	9.34	10.0	93	mg/L
		Sodium, Dissolved	EPA 200.7	9.48	10.0	95	mg/L
		Strontium, Dissolved	EPA 200.7	0.981	1.00	98	mg/L
		Tin, Dissolved	EPA 200.7	0.961	1.00	96	mg/L
		Titanium, Dissolved	EPA 200.7	0.989	1.00	99	mg/L
		Vanadium, Dissolved	EPA 200.7	0.953	1.00	95	mg/L
		Zinc, Dissolved	EPA 200.7	0.995	1.00	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12120438	LCS 1	WAD Cyanide	SM 4500CNI	0.093	0.100	93	mg/L
QC12120464	LCS 1	Total Cyanide	SM 4500CNC	0.104	0.100	104	mg/L
QC12120476	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.730	0.690	106	mg/L
QC12120477	LCS 1	Uranium, Dissolved	EPA 200.8	0.0093	0.010	93	mg/L
		Mercury, Dissolved	EPA 200.8	0.000921	0.001	92	mg/L
		Antimony, Dissolved	EPA 200.8	0.0093	0.010	93	mg/L
		Arsenic, Dissolved	EPA 200.8	0.0490	0.050	98	mg/L
		Cadmium, Dissolved	EPA 200.8	0.0100	0.010	100	mg/L
		Copper, Dissolved	EPA 200.8	0.0089	0.010	89	mg/L
		Lead, Dissolved	EPA 200.8	0.0094	0.010	94	mg/L
		Selenium, Dissolved	EPA 200.8	0.0448	0.050	90	mg/L
		Thallium, Dissolved	EPA 200.8	0.0094	0.010	94	mg/L
QC12120524	LCS 1	Cyanate	SM 4500 CNL	1.05	1.00	105	mg/L
QC12120544	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	149	150	100	mg/L
QC12120544	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	149	150	100	mg/L
QC12120544	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	136	150	91	mg/L
QC12120561	LCS 1	Electrical Conductivity	SM 2510B	1414	1412	100	µmhos/cm
QC12120567	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	1.01	1.00	101	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12120350	Duplicate	pH	SM 4500-H+ B	1212164-001	7.71	7.75	pH Units	1 %
QC12120350	Duplicate	pH	SM 4500-H+ B	1212175-004	6.98	6.44	Q pH Units	8 %
QC12120350	Duplicate	pH	SM 4500-H+ B	1212182-001	7.72	7.74	pH Units	<1%
QC12120350	Duplicate	pH	SM 4500-H+ B	1212182-002	10.1	10.1	pH Units	<1%
QC12120350	Duplicate	pH	SM 4500-H+ B	1212175-016	6.88	6.89	pH Units	<1%
QC12120350	Duplicate	pH	SM 4500-H+ B	1212177-002	7.03	6.69	Q pH Units	5 %
QC12120350	Duplicate	pH	SM 4500-H+ B	1212180-003	7.21	7.29	pH Units	1 %
QC12120353	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212164-001	292	289	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1212164-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212164-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212164-001	239	237	mg/L as CaCO3	1 %
QC12120353	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212175-004	5.84	4.57	Q mg/L	24 %
		Carbonate (CO3)	SM 2320B	1212175-004	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212175-004	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212175-004	4.79	3.75	Q mg/L as CaCO3	24 %
QC12120353	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212182-001	146	146	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1212182-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212182-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212182-001	120	120	mg/L as CaCO3	<1%
QC12120353	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212182-002	64.2	57.8	mg/L	10 %
		Carbonate (CO3)	SM 2320B	1212182-002	192	196	mg/L	2 %
		Hydroxide (OH)	SM 2320B	1212182-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212182-002	371	372	mg/L as CaCO3	<1%
QC12120353	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212175-016	20.9	21.7	mg/L	4 %
		Carbonate (CO3)	SM 2320B	1212175-016	<1.000	<1.000	mg/L	<1%

QC Batch ID	QC Type	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12120353	Duplicate	Hydroxide (OH)	SM 2320B	1212175-016	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212175-016	17.2	17.8	mg/L as CaCO ₃	4 %
		Bicarbonate (HCO ₃)	SM 2320B	1212177-002	34.0	28.7	mg/L	17 %
		Carbonate (CO ₃)	SM 2320B	1212177-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212177-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212177-002	27.9	23.5	mg/L as CaCO ₃	17 %
QC12120390	Duplicate	Redox Potential	SM 2580B	1212176-001	463	463	mV	<1%
QC12120390	Duplicate	Redox Potential	SM 2580B	1212176-011	383	380	mV	1 %
QC12120390	Duplicate	Redox Potential	SM 2580B	1212170-002	144	142	mV	1 %
QC12120524	Duplicate	Cyanate	SM 4500 CNL	1212234-006	<1.000	1.65	Q mg/L	<1%
QC12120544	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212156-001	67.0	72.0	mg/L	7 %
QC12120544	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212156-011	90.0	74.0	HT mg/L	6 %
QC12120544	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212157-004	59.0	59.0	mg/L	<1%
QC12120544	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212158-008	972	1032	mg/L	6 %
QC12120544	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212159-003	1680	1638	mg/L	3 %
QC12120544	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212182-004	2728	2788	mg/L	2 %
QC12120561	Duplicate	Electrical Conductivity	SM 2510B	1212052-001	39.2	39.0	µmhos/cm	1 %

QC Batch ID	QC Type	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12120391	MS 1	Fluoride	EPA 300.0	1212177-001	<1.000	17.1	17.0	2.00	mg/L	84	83	1 %
QC12120391	MS 2	Fluoride	EPA 300.0	1212180-004	0.268	1.99	2.03	2.00	mg/L	86	88	2 %
QC12120394	MS 1	Chloride	EPA 300.0	1212177-001	<10.000	51.6	51.4	5.00	mg/L	103	103	<1%
QC12120394	MS 2	Chloride	EPA 300.0	1212180-004	<1.000	5.32	5.45	5.00	mg/L	105	107	2 %
QC12120397	MS 1	Nitrite Nitrogen	EPA 300.0	1212177-001	<0.250	5.39	5.54	0.500	mg/L	108	111	3 %
QC12120397	MS 2	Nitrite Nitrogen	EPA 300.0	1212180-004	<0.025	0.527	0.548	0.500	mg/L	102	107	4 %
QC12120400	MS 1	Nitrate Nitrogen	EPA 300.0	1212177-001	<1.000	20.9	19.4	2.00	mg/L	103	96	7 %
QC12120400	MS 2	Nitrate Nitrogen	EPA 300.0	1212180-004	<1.000	2.06	2.11	2.00	mg/L	101	104	2 %
QC12120402	MS 1	Sulfate	EPA 300.0	1212177-001	992	1073	1055	10.0	mg/L	81	64	2 %
QC12120402	MS 2	Sulfate	EPA 300.0	1212180-004	4.58	14.6	14.8	10.0	mg/L	100	102	1 %
QC12120431	MS 1	Aluminum, Dissolved	EPA 200.7	1212145-001	117	SC 116	117	1.00	mg/L	NC	NC	NC
		Barium, Dissolved	EPA 200.7	1212145-001	<0.050	0.914	0.896	1.00	mg/L	91	89	2 %
		Bismuth, Dissolved	EPA 200.7	1212145-001	<0.500	0.759	0.746	1.00	mg/L	95	94	2 %
		Boron, Dissolved	EPA 200.7	1212145-001	<0.500	1.15	1.14	1.00	mg/L	93	92	1 %
		Calcium, Dissolved	EPA 200.7	1212145-001	475	484	485	10.0	mg/L	90	100	<1%
		Cobalt, Dissolved	EPA 200.7	1212145-001	2.48	3.31	3.29	1.00	mg/L	83	81	1 %
		Gallium, Dissolved	EPA 200.7	1212145-001	<0.500	0.933	0.921	1.00	mg/L	91	90	1 %
		Iron, Dissolved	EPA 200.7	1212145-001	1.83	2.72	2.74	1.00	mg/L	89	91	1 %
		Lithium, Dissolved	EPA 200.7	1212145-001	<0.500	1.27	1.28	1.00	mg/L	91	92	1 %
		Magnesium, Dissolved	EPA 200.7	1212145-001	241	SC 242	242	10.0	mg/L	NC	NC	NC
		Manganese, Dissolved	EPA 200.7	1212145-001	24.3	SC 24.5	24.5	1.00	mg/L	NC	NC	NC
		Molybdenum, Dissolved	EPA 200.7	1212145-001	<0.050	0.914	0.896	1.00	mg/L	95	93	2 %
		Phosphorus, Dissolved	EPA 200.7	1212145-001	<2.500	5.08	4.91	5.00	mg/L	98	95	3 %
		Potassium, Dissolved	EPA 200.7	1212145-001	11.5	21.3	21.7	10.0	mg/L	98	102	2 %
		Scandium, Dissolved	EPA 200.7	1212145-001	<0.500	0.953	0.947	1.00	mg/L	93	93	1 %
		Silicon, Dissolved	EPA 200.7	1212145-001	47.0	57.0	57.9	10.0	mg/L	100	109	2 %
		Sodium, Dissolved	EPA 200.7	1212145-001	896	SC 923	929	10.0	mg/L	NC	NC	NC
		Strontium, Dissolved	EPA 200.7	1212145-001	1.28	2.23	2.27	1.00	mg/L	95	99	2 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Tin, Dissolved	EPA 200.7	1212145-001	<0.500	0.747	0.708	1.00	mg/L	96	92	5 %
		Titanium, Dissolved	EPA 200.7	1212145-001	<0.500	0.947	0.945	1.00	mg/L	96	95	<1%
		Vanadium, Dissolved	EPA 200.7	1212145-001	0.148	1.08	1.07	1.00	mg/L	93	92	1 %
		Zinc, Dissolved	EPA 200.7	1212145-001	17.4	SC 17.6	17.4	1.00	mg/L	NC	NC	NC
QC12120438	MS 1	WAD Cyanide	SM 4500CNI	1212169-002	0.015	0.107	0.107	0.100	mg/L	92	93	<1%
QC12120464	MS 1	Total Cyanide	SM 4500CNC	1212170-001	3.38	SC 3.09	3.57	0.100	mg/L	NC	NC	NC
QC12120476	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1211539-001	0.366	M 1.04	1.01	0.690	mg/L	NC	NC	NC
QC12120477	MS 1	Uranium, Dissolved	EPA 200.8	1212145-001	0.5388	0.5395	0.5498	0.010	mg/L	7	110	2 %
		Mercury, Dissolved	EPA 200.8	1212145-001	0.007355	SC 0.007909	0.007841	0.001	mg/L	NC	NC	NC
		Antimony, Dissolved	EPA 200.8	1212145-001	<0.0025	0.0100	0.0101	0.010	mg/L	92	93	1 %
		Arsenic, Dissolved	EPA 200.8	1212145-001	0.1303	0.1856	0.1873	0.050	mg/L	111	114	1 %
		Cadmium, Dissolved	EPA 200.8	1212145-001	0.3724	SC 0.3777	0.3742	0.010	mg/L	NC	NC	NC
		Copper, Dissolved	EPA 200.8	1212145-001	2.8835	SC 2.8826	2.8663	0.010	mg/L	NC	NC	NC
		Lead, Dissolved	EPA 200.8	1212145-001	<0.0025	M 0.0056	0.0055	0.010	mg/L	NC	NC	NC
		Selenium, Dissolved	EPA 200.8	1212145-001	1.2734	SC 1.2957	1.3529	0.050	mg/L	NC	NC	NC
		Thallium, Dissolved	EPA 200.8	1212145-001	0.0032	M 0.0084	0.0083	0.010	mg/L	NC	NC	NC
QC12120567	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1212211-004	0.266	M 1.04	1.01	1.00	mg/L	NC	NC	NC
QC12120611	MS 1	Thiocyanate	SM 4500 CN	1212234-006	3.21	3.99	4.12	0.500	mg/L	78	91	3 %



Associated Laboratories

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Client: Western Environmental Testing Lab.
Address: 475 E. Greg St
Suite 119
Sparks, NV 89431
Attn: Scott Thompson

Lab Request: 315256
Report Date: 12/18/2012
Date Received: 12/12/2012

Client ID: 10124

Comments: Job #1212169

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAP are indicated on the report. This cover letter is an integral part of the final report.

<u>Sample #</u>	<u>Client Sample ID</u>
315256-001	63301, 10 Dec
315256-002	63316, 10 Dec
315256-003	63322, 10 Dec

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Lab Director

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date reported.

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Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 12/10/2012 10:00	Site:	Notes:
Sample #: 315256-001	Client Sample #: 63301, 10 Dec	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method		QCBatchID: QC1132405				
Total Organic Carbon (TOC)	18.0	2	1	mg/L	12/14/12	quang	

Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 12/10/2012 10:00	Site:	Notes:
Sample #: 315256-002	Client Sample #: 63316, 10 Dec	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method		QCBatchID: QC1132405				
Total Organic Carbon (TOC)	5.4	2	1	mg/L	12/14/12	quang	

Matrix: Water	Client: Western Environmental Testing Lab.	Collector: Client
Sampled: 12/10/2012 10:00	Site:	Notes:
Sample #: 315256-003	Client Sample #: 63322, 10 Dec	

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method		QCBatchID: QC1132405				
Total Organic Carbon (TOC)	7.6	2	1	mg/L	12/14/12	quang	

ND = Not Detected or < RDL

RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report
Lab Request 315256 Page 2 of 2



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #315256

QCBatchID: QC1132405	Analyst: quang	Method: SM-5310B
Matrix: Water	Analyzed: 12/14/2012	Instrument: TOC-BIO (group)

Blank Summary						
Analyte	Blank Result	Units		RDL	Notes	
QC1132405MB1						
Total Organic Carbon (TOC)	ND	mg/L		0.5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1132405LCS1											
Total Organic Carbon (TOC)	10		9.90		mg/L	99			80-120		

Matrix Spike/Matrix Spike Duplicate Summary											
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		Limits		Notes
		MS	MSD	MS	MSD		MS	MSD	RPD	%Rec	
QC1132405MS1, QC1132405MSD1											Source: 315255-002
Total Organic Carbon (TOC)	1.54	10	10	10.8	11.2	mg/L	93	97	3.6	80-120	20

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report
Lab Request 315256 Page 1 of 2



Notes and Definitions

B	Analyte was present in an associated method blank. Associated sample data was reported with qualifier.
C	Laboratory Contamination.
D	The sample duplicate RPD was not within control limits, the sample data was reported without further clarification.
DF	Dilution Factor
DW	Sample result is calculated on a dry weigh basis
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
MDL	Method Detection Limit
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
ND	Analyte was not detected or was less than the detection limit.
P	Sample was received without proper preservation according to EPA guidelines.
RDL	Reporting Detection Limit
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
T	Sample was extracted/analyzed past the holding time.
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 315256 Page 2 of 2



**ASSOCIATED LABORATORIES**

806 North Batavia – Orange, California 92868 – 714-771-6900

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST**Section 1**Client: WET LAB

Project: _____

Date Received: 12/12/12Sampler's Name: Yes ☒ No ☐Sample(s) received in cooler: ☒ Yes ☐ No (Skip Section 2)Shipping Information: ON TRAC.**Section 2**Was the cooler packed with: ☒ Ice ☐ Ice Packs ☒ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____Cooler or box temperature: 5.0

(Acceptance range is 0 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	☒		
Is it properly completed? (IDs, sampling date and time, signature, test)	☒		
Were custody seals present?		☒	
If Yes – were they intact?			☒
Were all samples sealed in plastic bags?	☒		
Did all samples arrive intact? If no, indicate below.	☒		
Did all bottle labels agree with COC? (ID, dates and times)	☒		
Were correct containers used for the tests required?	☒		
Was a sufficient amount of sample sent for tests indicated?	☒		
Was there headspace in VOA vials?			☒
Were the containers labeled with correct preservatives?			☒
Was total residual chlorine measured (Fish Bioassay samples only)? *			☒

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4

Explanations/Comments

Section 5

Was Project Manager notified of discrepancies: Y / N N/A

Completed By: [Signature]Date: 12/12/12



CHAIN OF CUSTODY RECORD

315256

12/11/12

Western Environmental Testing Laboratory 475 E. Greg Street #119 Sparks, NV 89431 Scott Thompson Pn: (775) 355-0202 scott@wetlab.com Fax: (775) 355-0817				Total # of sample containers 3 System		Samplers Initials _____		All Samples Refrigerated? Y ☒ N ☐ Compliance: Y ☒ N ☐ CA Write ON: Y ☒ N ☐ QC: Y ☒ N ☐ Water System #:	
Sample Receipt Condition:				Job ID 1212169		Notes: due 12/11/12			
Temperature:				SIGNATURE OF COMPANY REPRESENTATIVE:					
Date:				Time:					

Set Date Set Time	Sample ID - Site ID	Matrix	Parameter	Container Type	Preservatives
12/10/2012 10:00 AM	63301, 10 Dec -	Waste Water	Total Organic Carbon (TOC)		
12/10/2012 10:00 AM	63316, 10 Dec -	Waste Water	Total Organic Carbon (TOC)		
12/10/2012 10:00 AM	63322, 10 Dec -	Waste Water	Total Organic Carbon (TOC)		

Sample Type					
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
			<i>[Signature]</i>	12/11/12	1130
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Trip Blank	Grab	Composite	Equipment Blank

due 12/11/12
P845
21



WETLAB

WESTERN ENVIRONMENTAL
TESTING LABORATORY

Specializing in Soil, Hazardous Waste and Water Analysis.

475 E. Greg Street #119 | Sparks, Nevada 89431

tel (775) 355-0202 | fax (775) 355-0817

1084 Lamoille Hwy | Elko, Nevada 89801

tel (775) 777-9933 | fax (775) 777-9933 | www.WETLaboratory.com

Lab Number 1212169

Report

Due Date

12/17/12

Page 1 of 1

Client KCA

Address

City, State & Zip

Contact

Phone

Collector's Name

Jim DeFilippo

Fax

PWS/Project Name

Eagle Gold

P.O. Number

PWS/Project Number

Email

Billing Address (if different than Client Address)

Company

Address

City, State & Zip

Contact

Phone

Fax

Email

Turnaround Time Requirements

Standard

5-Day*

3-Day*

48 Hour*

24 Hour*

*Surcharges Will Apply

Samples Collected From Which State?

CA

Other

Report Results Via

Fax

Mail Only

PDF

EDD

Other:

Compliance Monitoring?

Yes

No

Report to Regulatory Agency?

Yes

No

Standard QC Required?

Yes

No

Analyses Requested

NO. OF CONTAINERS

SAMPLE TYPE

See attached
Conductivity
Redox
WAD & TOC/CN

Spl. No.

SAMPLE ID/LOCATION

DATE

TIME

63301, 10 Dec

10 DEC

1000

1

X

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63316, 10 Dec

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63322, 10 Dec

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1212 1

169 1

Instructions/Comments/Special Requirements:

Filter when needed.

S/P, TKN, ND₅+ND₂, CNO, SCN, TOTAL METALS, NH₃

Sample Matrix/
Type Key

DW = Drinking Water WW = Wastewater SW = Surface Water MW = Monitoring Well SD = Solid/Sludge SO = Soil HW = Hazardous Waste OTHER:

SAMPLE RECEIPT

DATE

TIME

Samples Relinquished By

Samples Received By

Temperature

23.9 °C

10 DEC

1000

Custody Seals Intact? Y N None

12/10/12

1330

Number of Containers

6

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

Client/Collector attests to the validity and authenticity of this (these) sample(s) and, is (are) aware that tampering with or intentionally mislabeling the sample(s) location, date or time of collection may be considered fraud and subject to legal action (NAC445.0636). To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compensation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

2/13/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1212169

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 12/10/2012. Additional comments are located on page 2 of this report.

This is an amended report that includes the reanalysis results for Nickel for samples 1212169-001 and 002 as requested by the client. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1212169

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1212169-002 Molybdenum

The reporting limits have been adjusted accordingly.

Subcontracting Comments

The analysis for Total Organic Carbon was performed by Associated Laboratories of Orange, CA. Their report is attached.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 2/13/2013

OrderID: 1212169

Customer Sample ID: 63301, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-001

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	3.5	mg/L	0.20	12/17/2012
Cyanate	SM 4500 CNL	3.9	mg/L	0.10	12/14/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.32	mg/L	0.050	12/17/2012
pH	SM 4500-H+ B	8.71	pH Units		12/10/2012
Trace Metals Digestion	EPA 200.2	Complete			12/12/2012
Acidity (Titrimetric)	SM 2310B	-411	mg/L as CaCO3		12/13/2012
Bicarbonate (HCO3)	SM 2320B	380	mg/L	1.0	12/10/2012
Carbonate (CO3)	SM 2320B	19	mg/L	1.0	12/10/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/10/2012
Total Alkalinity	SM 2320B	340	mg/L as CaCO3	1.0	12/10/2012
Redox Potential	SM 2580B	220	mV		12/11/2012
Chloride	EPA 300.0	16	mg/L	1.0	12/11/2012
Fluoride	EPA 300.0	3.9	mg/L	1.0	12/11/2012
Sulfate	EPA 300.0	670	mg/L	10	12/11/2012
Nitrate Nitrogen	EPA 300.0	0.60	mg/L	0.10	12/11/2012
Nitrite Nitrogen	EPA 300.0	3.0	mg/L	0.25	12/11/2012
Total Kjeldahl Nitrogen	EPA 351.2	7.5	mg/L	1.0	12/13/2012
Total Nitrogen	Calc.	11	mg/L	0.070	12/13/2012
Total Cyanide	SM 4500CNC	18	mg/L	1.0	12/12/2012
Total Dissolved Solids (TDS)	SM 2540C	1600	mg/L	10	12/12/2012
WAD Cyanide	SM 4500CNI	0.17	mg/L	0.010	12/13/2012
Electrical Conductivity	SM 2510B	2400	µmhos/cm	1	12/17/2012
Aluminum	EPA 200.7	5.4	mg/L	0.045	12/12/2012
Barium	EPA 200.7	0.046	mg/L	0.010	12/12/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	12/12/2012
Boron	EPA 200.7	0.12	mg/L	0.020	12/12/2012
Calcium	EPA 200.7	9.9	mg/L	0.50	12/12/2012

Customer Sample ID: 63301, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-001

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.12	mg/L	0.0100	12/12/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	12/12/2012
Iron	EPA 200.7	5.7	mg/L	0.010	12/12/2012
Lithium	EPA 200.7	0.024	mg/L	0.020	12/12/2012
Magnesium	EPA 200.7	2.0	mg/L	0.50	12/12/2012
Manganese	EPA 200.7	0.070	mg/L	0.0050	12/12/2012
Molybdenum	EPA 200.7	0.093	mg/L	0.0100	12/12/2012
Phosphorus	EPA 200.7	1.2	mg/L	0.10	12/12/2012
Potassium	EPA 200.7	8.6	mg/L	0.50	12/12/2012
Scandium	EPA 200.7	0.0011	mg/L	0.0010	12/12/2012
Silicon	EPA 200.7	28	mg/L	0.10	12/12/2012
Sodium	EPA 200.7	510	mg/L	0.50	12/12/2012
Strontium	EPA 200.7	0.23	mg/L	0.1000	12/12/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	12/12/2012
Titanium	EPA 200.7	0.097	mg/L	0.0050	12/12/2012
Vanadium	EPA 200.7	0.042	mg/L	0.010	12/12/2012
Zinc	EPA 200.7	0.054	mg/L	0.010	12/12/2012
Mercury	EPA 200.8	0.0009	mg/L	0.00007	12/13/2012
Antimony	EPA 200.8	1.3	mg/L	0.050	12/17/2012
Arsenic	EPA 200.8	6.6	mg/L	0.050	12/13/2012
Beryllium	EPA 200.8	0.0005	mg/L	0.0002	12/17/2012
Cadmium	EPA 200.8	0.0011	mg/L	0.0002	12/14/2012
Chromium	EPA 200.8	0.0045	mg/L	0.0010	12/17/2012
Copper	EPA 200.8	0.20	mg/L	0.10	12/14/2012
Lead	EPA 200.8	0.18	mg/L	0.025	12/13/2012
Nickel	EPA 200.8	0.0088	mg/L	0.0020	2/5/2013
Selenium	EPA 200.8	0.027	mg/L	0.0050	12/13/2012
Silver	EPA 200.8	<0.0005	mg/L	0.0005	12/14/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	12/13/2012
Uranium	EPA 200.8	0.48	mg/L	0.050	12/13/2012
Total Organic Carbon (TOC)	N/A	See Attached			

Customer Sample ID: 63316, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-002

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	2.3	mg/L	0.10	12/14/2012
Thiocyanate	SM 4500 CNM	1.1	mg/L	0.20	12/17/2012

Page 4 of 13

Customer Sample ID: 63316, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-002

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	0.18	mg/L	0.050	12/17/2012
pH	SM 4500-H+ B	8.79	pH Units		12/10/2012
Trace Metals Digestion	EPA 200.2	Complete			12/12/2012
Acidity (Titrimetric)	SM 2310B	-92	mg/L as CaCO3		12/13/2012
Bicarbonate (HCO3)	SM 2320B	460	mg/L	1.0	12/10/2012
Carbonate (CO3)	SM 2320B	29	mg/L	1.0	12/10/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/10/2012
Total Alkalinity	SM 2320B	430	mg/L as CaCO3	1.0	12/10/2012
Redox Potential	SM 2580B	250	mV		12/11/2012
Chloride	EPA 300.0	18	mg/L	1.0	12/11/2012
Fluoride	EPA 300.0	2.3	mg/L	1.0	12/11/2012
Sulfate	EPA 300.0	540	mg/L	10	12/11/2012
Nitrate Nitrogen	EPA 300.0	0.41	mg/L	0.10	12/11/2012
Nitrite Nitrogen	EPA 300.0	8.0	mg/L	0.25	12/11/2012
Total Kjeldahl Nitrogen	EPA 351.2	1.6	mg/L	0.10	12/13/2012
Total Nitrogen	Calc.	9.5	mg/L	0.070	12/13/2012
Total Cyanide	SM 4500CNC	0.087	mg/L	0.010	12/12/2012
Total Dissolved Solids (TDS)	SM 2540C	1400	mg/L	10	12/12/2012
WAD Cyanide	SM 4500CNI	0.015	mg/L	0.010	12/13/2012
Electrical Conductivity	SM 2510B	2100	µmhos/cm	1	12/17/2012
Aluminum	EPA 200.7	2.4	mg/L	0.045	12/12/2012
Barium	EPA 200.7	0.028	mg/L	0.010	12/12/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	12/12/2012
Boron	EPA 200.7	0.079	mg/L	0.020	12/12/2012
Calcium	EPA 200.7	6.0	mg/L	0.50	12/12/2012
Cobalt	EPA 200.7	0.0054	mg/L	0.0020	12/12/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	12/12/2012
Iron	EPA 200.7	1.2	mg/L	0.010	12/12/2012
Lithium	EPA 200.7	<0.020	mg/L	0.020	12/12/2012
Magnesium	EPA 200.7	0.51	mg/L	0.50	12/12/2012
Manganese	EPA 200.7	0.032	mg/L	0.0050	12/12/2012
Molybdenum	EPA 200.7	<0.025	mg/L	0.025	12/13/2012
Phosphorus	EPA 200.7	0.30	mg/L	0.10	12/12/2012
Potassium	EPA 200.7	6.1	mg/L	0.50	12/12/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	12/12/2012
Silicon	EPA 200.7	19	mg/L	0.10	12/12/2012
Sodium	EPA 200.7	450	mg/L	0.50	12/12/2012
Strontium	EPA 200.7	0.12	mg/L	0.0020	12/12/2012

Customer Sample ID: 63316, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-002

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Tin	EPA 200.7	<0.010	mg/L	0.010	12/12/2012
Titanium	EPA 200.7	0.042	mg/L	0.0050	12/12/2012
Vanadium	EPA 200.7	0.029	mg/L	0.010	12/12/2012
Zinc	EPA 200.7	0.039	mg/L	0.010	12/12/2012
Mercury	EPA 200.8	0.00058	mg/L	0.00007	12/13/2012
Antimony	EPA 200.8	0.99	mg/L	0.050	12/17/2012
Arsenic	EPA 200.8	5.1	mg/L	0.050	12/13/2012
Beryllium	EPA 200.8	<0.00100	mg/L	0.00100	12/17/2012
Cadmium	EPA 200.8	0.0014	mg/L	0.00100	12/14/2012
Chromium	EPA 200.8	0.0020	mg/L	0.0010	12/17/2012
Copper	EPA 200.8	0.26	mg/L	0.10	12/14/2012
Lead	EPA 200.8	0.22	mg/L	0.025	12/13/2012
Nickel	EPA 200.8	0.0027	mg/L	0.0020	2/5/2013
Selenium	EPA 200.8	0.016	mg/L	0.0050	12/13/2012
Silver	EPA 200.8	0.0013	mg/L	0.0005	12/14/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	12/13/2012
Uranium	EPA 200.8	0.12	mg/L	0.0050	12/13/2012
Total Organic Carbon (TOC)	N/A	See Attached			

Customer Sample ID: 63322, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-003

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	5.3	mg/L	0.10	12/14/2012
Thiocyanate	SM 4500 CNM	1.2	mg/L	0.20	12/17/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.33	mg/L	0.050	12/17/2012
pH	SM 4500-H+ B	8.88	pH Units		12/10/2012
Trace Metals Digestion	EPA 200.2	Complete			12/12/2012
Acidity (Titrimetric)	SM 2310B	-183	mg/L as CaCO3		12/13/2012
Bicarbonate (HCO3)	SM 2320B	580	mg/L	1.0	12/10/2012
Carbonate (CO3)	SM 2320B	49	mg/L	1.0	12/10/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/10/2012
Total Alkalinity	SM 2320B	560	mg/L as CaCO3	1.0	12/10/2012
Redox Potential	SM 2580B	240	mV		12/11/2012
Chloride	EPA 300.0	85	mg/L	1.0	12/11/2012
Fluoride	EPA 300.0	1.2	mg/L	1.0	12/11/2012
Sulfate	EPA 300.0	1100	mg/L	10	12/11/2012
Nitrate Nitrogen	EPA 300.0	0.74	mg/L	0.10	12/11/2012

Page 6 of 13

Customer Sample ID: 63322, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-003

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrite Nitrogen	EPA 300.0	0.26	mg/L	0.25	12/11/2012
Total Kjeldahl Nitrogen	EPA 351.2	0.89	mg/L	0.10	12/13/2012
Total Nitrogen	Calc.	1.2	mg/L	0.070	12/13/2012
Total Cyanide	SM 4500CNC	0.33	mg/L	0.050	12/12/2012
Total Dissolved Solids (TDS)	SM 2540C	2400	mg/L	10	12/12/2012
WAD Cyanide	SM 4500CNI	0.16	mg/L	0.010	12/13/2012
Electrical Conductivity	SM 2510B	3600	µmhos/cm	1	12/17/2012
Aluminum	EPA 200.7	0.95	mg/L	0.045	12/12/2012
Barium	EPA 200.7	0.021	mg/L	0.010	12/12/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	12/12/2012
Boron	EPA 200.7	0.16	mg/L	0.020	12/12/2012
Calcium	EPA 200.7	11	mg/L	0.50	12/12/2012
Cobalt	EPA 200.7	0.0096	mg/L	0.0020	12/12/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	12/12/2012
Iron	EPA 200.7	0.50	mg/L	0.010	12/12/2012
Lithium	EPA 200.7	0.15	mg/L	0.020	12/12/2012
Magnesium	EPA 200.7	2.6	mg/L	0.50	12/12/2012
Manganese	EPA 200.7	0.013	mg/L	0.0050	12/12/2012
Molybdenum	EPA 200.7	0.0066	mg/L	0.0050	12/12/2012
Phosphorus	EPA 200.7	0.25	mg/L	0.10	12/12/2012
Potassium	EPA 200.7	9.5	mg/L	0.50	12/12/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	12/12/2012
Silicon	EPA 200.7	16	mg/L	0.10	12/12/2012
Sodium	EPA 200.7	810	mg/L	2.5	12/13/2012
Strontium	EPA 200.7	0.29	mg/L	0.020	12/12/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	12/12/2012
Titanium	EPA 200.7	0.022	mg/L	0.0050	12/12/2012
Vanadium	EPA 200.7	0.017	mg/L	0.010	12/12/2012
Zinc	EPA 200.7	0.031	mg/L	0.010	12/12/2012
Mercury	EPA 200.8	0.00034	mg/L	0.00007	12/14/2012
Antimony	EPA 200.8	0.41	mg/L	0.025	12/13/2012
Arsenic	EPA 200.8	2.7	mg/L	0.050	12/13/2012
Beryllium	EPA 200.8	<0.00100	mg/L	0.00100	12/17/2012
Cadmium	EPA 200.8	0.0011	mg/L	0.00100	12/14/2012
Chromium	EPA 200.8	0.0015	mg/L	0.0010	12/17/2012
Copper	EPA 200.8	0.27	mg/L	0.0050	12/14/2012
Lead	EPA 200.8	0.11	mg/L	0.025	12/13/2012
Nickel	EPA 200.8	0.0035	mg/L	0.0020	12/14/2012

Customer Sample ID: 63322, 10 Dec

Collect Date/Time: 12/10/2012 10:00

WETLAB Sample ID: 1212169-003

Receive Date: 12/10/2012 13:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Selenium	EPA 200.8	0.014	mg/L	0.0050	12/13/2012
Silver	EPA 200.8	0.0015	mg/L	0.0005	12/14/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	12/13/2012
Uranium	EPA 200.8	0.12	mg/L	0.0050	12/13/2012
Total Organic Carbon (TOC)	N/A	See Attached			

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12120391	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12120391	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12120391	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12120394	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12120394	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12120394	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12120397	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120397	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120397	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120400	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120400	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120400	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120402	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12120402	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12120402	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12120431	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silicon, Dissolved	EPA 200.7	<0.10	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC12120438	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120438	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120464	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12120464	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12120476	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC12120476	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC12120477	Blank 1	Uranium, Dissolved	EPA 200.8	<0.0050	mg/L
		Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Copper, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
QC12120524	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12120524	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12120544	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120544	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120544	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120561	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12120567	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12120567	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12120611	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12120611	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12120350	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12120350	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12120350	LCS 3	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12120353	LCS 1	Total Alkalinity	SM 2320B	99.8	100	100	mg/L
QC12120353	LCS 2	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC12120353	LCS 3	Total Alkalinity	SM 2320B	100	100	100	mg/L
QC12120353	LCS 4	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC12120390	LCS 1	Redox Potential	SM 2580B	219	221	99	mV
QC12120390	LCS 2	Redox Potential	SM 2580B	219	221	99	mV
QC12120391	LCS 1	Fluoride	EPA 300.0	1.83	2.00	91	mg/L
QC12120394	LCS 1	Chloride	EPA 300.0	10.4	10.0	104	mg/L
QC12120397	LCS 1	Nitrite Nitrogen	EPA 300.0	0.507	0.500	101	mg/L
QC12120400	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	2.00	100	mg/L
QC12120402	LCS 1	Sulfate	EPA 300.0	24.3	25.0	97	mg/L
QC12120431	LCS 1	Aluminum, Dissolved	EPA 200.7	0.928	1.00	93	mg/L
		Barium, Dissolved	EPA 200.7	0.955	1.00	96	mg/L
		Bismuth, Dissolved	EPA 200.7	1.01	1.00	101	mg/L
		Boron, Dissolved	EPA 200.7	0.932	1.00	93	mg/L
		Calcium, Dissolved	EPA 200.7	9.85	10.0	98	mg/L
		Cobalt, Dissolved	EPA 200.7	0.973	1.00	97	mg/L
		Gallium, Dissolved	EPA 200.7	0.955	1.00	96	mg/L
		Iron, Dissolved	EPA 200.7	0.966	1.00	97	mg/L
		Lithium, Dissolved	EPA 200.7	0.961	1.00	96	mg/L
		Magnesium, Dissolved	EPA 200.7	9.54	10.0	95	mg/L
		Manganese, Dissolved	EPA 200.7	0.965	1.00	96	mg/L
		Molybdenum, Dissolved	EPA 200.7	0.959	1.00	96	mg/L
		Phosphorus, Dissolved	EPA 200.7	4.91	5.00	98	mg/L
		Potassium, Dissolved	EPA 200.7	9.77	10.0	98	mg/L
		Scandium, Dissolved	EPA 200.7	0.964	1.00	96	mg/L
		Silicon, Dissolved	EPA 200.7	9.34	10.0	93	mg/L
		Sodium, Dissolved	EPA 200.7	9.48	10.0	95	mg/L
		Strontium, Dissolved	EPA 200.7	0.981	1.00	98	mg/L
		Tin, Dissolved	EPA 200.7	0.961	1.00	96	mg/L
		Titanium, Dissolved	EPA 200.7	0.989	1.00	99	mg/L
		Vanadium, Dissolved	EPA 200.7	0.953	1.00	95	mg/L
		Zinc, Dissolved	EPA 200.7	0.995	1.00	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC12120438	LCS 1	WAD Cyanide	SM 4500CNI	0.093	0.100	93	mg/L	
QC12120464	LCS 1	Total Cyanide	SM 4500CNC	0.104	0.100	104	mg/L	
QC12120476	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.730	0.690	106	mg/L	
QC12120477	LCS 1	Uranium, Dissolved	EPA 200.8	0.0093	0.010	93	mg/L	
		Mercury, Dissolved	EPA 200.8	0.000921	0.001	92	mg/L	
		Antimony, Dissolved	EPA 200.8	0.0093	0.010	93	mg/L	
		Arsenic, Dissolved	EPA 200.8	0.0490	0.050	98	mg/L	
		Cadmium, Dissolved	EPA 200.8	0.0100	0.010	100	mg/L	
		Copper, Dissolved	EPA 200.8	0.0089	0.010	89	mg/L	
		Lead, Dissolved	EPA 200.8	0.0094	0.010	94	mg/L	
		Selenium, Dissolved	EPA 200.8	0.0448	0.050	90	mg/L	
		Thallium, Dissolved	EPA 200.8	0.0094	0.010	94	mg/L	
QC12120524	LCS 1	Cyanate	SM 4500 CNL	1.05	1.00	105	mg/L	
QC12120544	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	149	150	100	mg/L	
QC12120544	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	149	150	100	mg/L	
QC12120544	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	136	150	91	mg/L	
QC12120561	LCS 1	Electrical Conductivity	SM 2510B	1414	1412	100	µmhos/cm	
QC12120567	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	1.01	1.00	101	mg/L	

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12120350	Duplicate	pH	SM 4500-H+ B	1212164-001	7.71	7.75	pH Units	1 %
QC12120350	Duplicate	pH	SM 4500-H+ B	1212175-004	6.98	6.44	Q pH Units	8 %
QC12120350	Duplicate	pH	SM 4500-H+ B	1212182-001	7.72	7.74	pH Units	<1%
QC12120350	Duplicate	pH	SM 4500-H+ B	1212182-002	10.1	10.1	pH Units	<1%
QC12120350	Duplicate	pH	SM 4500-H+ B	1212175-016	6.88	6.89	pH Units	<1%
QC12120350	Duplicate	pH	SM 4500-H+ B	1212177-002	7.03	6.69	Q pH Units	5 %
QC12120350	Duplicate	pH	SM 4500-H+ B	1212180-003	7.21	7.29	pH Units	1 %
QC12120353	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212164-001	292	289	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1212164-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212164-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212164-001	239	237	mg/L as CaCO3	1 %
QC12120353	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212175-004	5.84	4.57	Q mg/L	24 %
		Carbonate (CO3)	SM 2320B	1212175-004	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212175-004	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212175-004	4.79	3.75	Q mg/L as CaCO3	24 %
QC12120353	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212182-001	146	146	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1212182-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212182-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212182-001	120	120	mg/L as CaCO3	<1%
QC12120353	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212182-002	64.2	57.8	mg/L	10 %
		Carbonate (CO3)	SM 2320B	1212182-002	192	196	mg/L	2 %
		Hydroxide (OH)	SM 2320B	1212182-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212182-002	371	372	mg/L as CaCO3	<1%
QC12120353	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212175-016	20.9	21.7	mg/L	4 %
		Carbonate (CO3)	SM 2320B	1212175-016	<1.000	<1.000	mg/L	<1%

QC	BatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD	
QC12120353	Duplicate		Hydroxide (OH)	SM 2320B	1212175-016	<1.000	<1.000	mg/L	<1%	
			Total Alkalinity	SM 2320B	1212175-016	17.2	17.8	mg/L as CaCO3	4 %	
			Bicarbonate (HCO3)	SM 2320B	1212177-002	34.0	28.7	mg/L	17 %	
			Carbonate (CO3)	SM 2320B	1212177-002	<1.000	<1.000	mg/L	<1%	
			Hydroxide (OH)	SM 2320B	1212177-002	<1.000	<1.000	mg/L	<1%	
			Total Alkalinity	SM 2320B	1212177-002	27.9	23.5	mg/L as CaCO3	17 %	
QC12120390	Duplicate		Redox Potential	SM 2580B	1212176-001	463	463	mV	<1%	
QC12120390	Duplicate		Redox Potential	SM 2580B	1212176-011	383	380	mV	1 %	
QC12120390	Duplicate		Redox Potential	SM 2580B	1212170-002	144	142	mV	1 %	
QC12120524	Duplicate		Cyanate	SM 4500 CNL	1212234-006	<1.000	1.65	Q	mg/L	<1%
QC12120544	Duplicate		Total Dissolved Solids (TDS)	SM 2540C	1212156-001	67.0	72.0		mg/L	7 %
QC12120544	Duplicate		Total Dissolved Solids (TDS)	SM 2540C	1212156-011	90.0	74.0	HT	mg/L	6 %
QC12120544	Duplicate		Total Dissolved Solids (TDS)	SM 2540C	1212157-004	59.0	59.0		mg/L	<1%
QC12120544	Duplicate		Total Dissolved Solids (TDS)	SM 2540C	1212158-008	972	1032		mg/L	6 %
QC12120544	Duplicate		Total Dissolved Solids (TDS)	SM 2540C	1212159-003	1680	1638		mg/L	3 %
QC12120544	Duplicate		Total Dissolved Solids (TDS)	SM 2540C	1212182-004	2728	2788		mg/L	2 %
QC12120561	Duplicate		Electrical Conductivity	SM 2510B	1212052-001	39.2	39.0		µmhos/cm	1 %

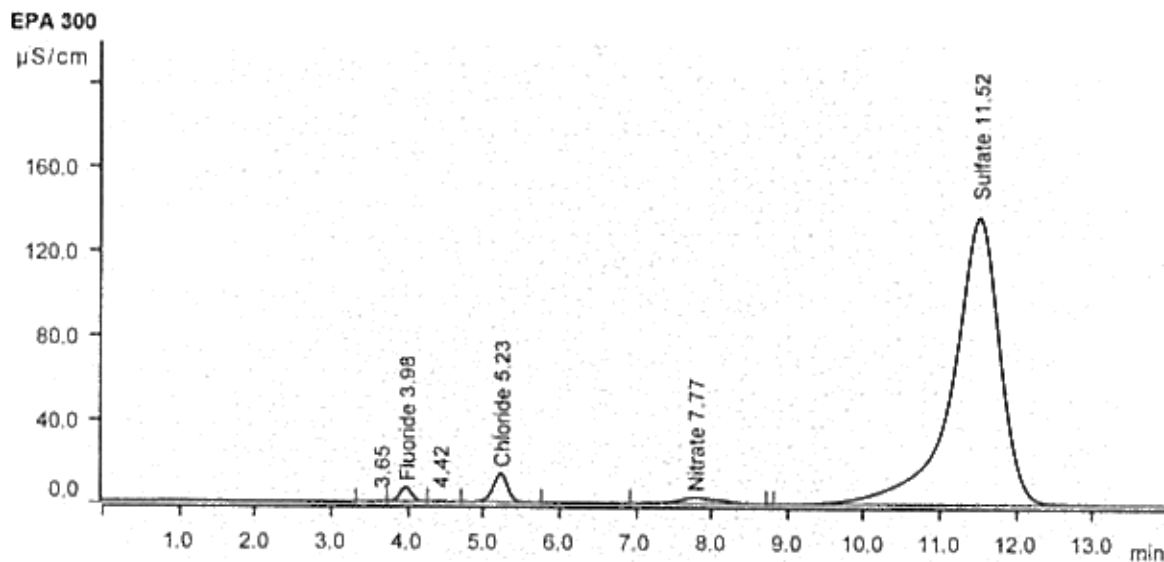
QC	BatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12120391	MS 1		Fluoride	EPA 300.0	1212177-001	<1.000	17.1	17.0	2.00	mg/L	84	83	1 %
QC12120391	MS 2		Fluoride	EPA 300.0	1212180-004	0.268	1.99	2.03	2.00	mg/L	86	88	2 %
QC12120394	MS 1		Chloride	EPA 300.0	1212177-001	<10.000	51.6	51.4	5.00	mg/L	103	103	<1%
QC12120394	MS 2		Chloride	EPA 300.0	1212180-004	<1.000	5.32	5.45	5.00	mg/L	105	107	2 %
QC12120397	MS 1		Nitrite Nitrogen	EPA 300.0	1212177-001	<0.250	5.39	5.54	0.500	mg/L	108	111	3 %
QC12120397	MS 2		Nitrite Nitrogen	EPA 300.0	1212180-004	<0.025	0.527	0.548	0.500	mg/L	102	107	4 %
QC12120400	MS 1		Nitrate Nitrogen	EPA 300.0	1212177-001	<1.000	20.9	19.4	2.00	mg/L	103	96	7 %
QC12120400	MS 2		Nitrate Nitrogen	EPA 300.0	1212180-004	<1.000	2.06	2.11	2.00	mg/L	101	104	2 %
QC12120402	MS 1		Sulfate	EPA 300.0	1212177-001	992	1073	1055	10.0	mg/L	81	64	2 %
QC12120402	MS 2		Sulfate	EPA 300.0	1212180-004	4.58	14.6	14.8	10.0	mg/L	100	102	1 %
QC12120431	MS 1		Aluminum, Dissolved	EPA 200.7	1212145-001	117	SC 116	117	1.00	mg/L	NC	NC	NC
			Barium, Dissolved	EPA 200.7	1212145-001	<0.050	0.914	0.896	1.00	mg/L	91	89	2 %
			Bismuth, Dissolved	EPA 200.7	1212145-001	<0.500	0.759	0.746	1.00	mg/L	95	94	2 %
			Boron, Dissolved	EPA 200.7	1212145-001	<0.500	1.15	1.14	1.00	mg/L	93	92	1 %
			Calcium, Dissolved	EPA 200.7	1212145-001	475	484	485	10.0	mg/L	90	100	<1%
			Cobalt, Dissolved	EPA 200.7	1212145-001	2.48	3.31	3.29	1.00	mg/L	83	81	1 %
			Gallium, Dissolved	EPA 200.7	1212145-001	<0.500	0.933	0.921	1.00	mg/L	91	90	1 %
			Iron, Dissolved	EPA 200.7	1212145-001	1.83	2.72	2.74	1.00	mg/L	89	91	1 %
			Lithium, Dissolved	EPA 200.7	1212145-001	<0.500	1.27	1.28	1.00	mg/L	91	92	1 %
			Magnesium, Dissolved	EPA 200.7	1212145-001	241	SC 242	242	10.0	mg/L	NC	NC	NC
			Manganese, Dissolved	EPA 200.7	1212145-001	24.3	SC 24.5	24.5	1.00	mg/L	NC	NC	NC
			Molybdenum, Dissolved	EPA 200.7	1212145-001	<0.050	0.914	0.896	1.00	mg/L	95	93	2 %
			Phosphorus, Dissolved	EPA 200.7	1212145-001	<2.500	5.08	4.91	5.00	mg/L	98	95	3 %
			Potassium, Dissolved	EPA 200.7	1212145-001	11.5	21.3	21.7	10.0	mg/L	98	102	2 %
			Scandium, Dissolved	EPA 200.7	1212145-001	<0.500	0.953	0.947	1.00	mg/L	93	93	1 %
			Silicon, Dissolved	EPA 200.7	1212145-001	47.0	57.0	57.9	10.0	mg/L	100	109	2 %
			Sodium, Dissolved	EPA 200.7	1212145-001	896	SC 923	929	10.0	mg/L	NC	NC	NC
			Strontium, Dissolved	EPA 200.7	1212145-001	1.28	2.23	2.27	1.00	mg/L	95	99	2 %

QC Batch ID	QC Type	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12120438	MS 1	Tin, Dissolved	EPA 200.7	1212145-001	<0.500	0.747	0.708	1.00	mg/L	96	92	5 %
		Titanium, Dissolved	EPA 200.7	1212145-001	<0.500	0.947	0.945	1.00	mg/L	96	95	<1%
		Vanadium, Dissolved	EPA 200.7	1212145-001	0.148	1.08	1.07	1.00	mg/L	93	92	1 %
		Zinc, Dissolved	EPA 200.7	1212145-001	17.4	SC 17.6	17.4	1.00	mg/L	NC	NC	NC
		WAD Cyanide	SM 4500CNI	1212169-002	0.015	0.107	0.107	0.100	mg/L	92	93	<1%
		Total Cyanide	SM 4500CNC	1212170-001	3.38	SC 3.09	3.57	0.100	mg/L	NC	NC	NC
		Total Kjeldahl Nitrogen	EPA 351.2	1211539-001	0.366	M 1.04	1.01	0.690	mg/L	NC	NC	NC
		Uranium, Dissolved	EPA 200.8	1212145-001	0.5388	0.5395	0.5498	0.010	mg/L	7	110	2 %
		Mercury, Dissolved	EPA 200.8	1212145-001	0.007355	SC 0.007909	0.007841	0.001	mg/L	NC	NC	NC
		Antimony, Dissolved	EPA 200.8	1212145-001	<0.0025	0.0100	0.0101	0.010	mg/L	92	93	1 %
		Arsenic, Dissolved	EPA 200.8	1212145-001	0.1303	0.1856	0.1873	0.050	mg/L	111	114	1 %
		Cadmium, Dissolved	EPA 200.8	1212145-001	0.3724	SC 0.3777	0.3742	0.010	mg/L	NC	NC	NC
		Copper, Dissolved	EPA 200.8	1212145-001	2.8835	SC 2.8826	2.8663	0.010	mg/L	NC	NC	NC
		Lead, Dissolved	EPA 200.8	1212145-001	<0.0025	M 0.0056	0.0055	0.010	mg/L	NC	NC	NC
		Selenium, Dissolved	EPA 200.8	1212145-001	1.2734	SC 1.2957	1.3529	0.050	mg/L	NC	NC	NC
		Thallium, Dissolved	EPA 200.8	1212145-001	0.0032	M 0.0084	0.0083	0.010	mg/L	NC	NC	NC
QC12120567	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1212211-004	0.266	M 1.04	1.01	1.00	mg/L	NC	NC	NC
QC12120611	MS 1	Thiocyanate	SM 4500 CN	1212234-006	3.21	3.99	4.12	0.500	mg/L	78	91	3 %

"63301, 10 Dec." Re-Run

Sample data

Ident 1212169-001 10x
Sample type Sample
Determination start 2013-01-31 09:55:21 UTC-8
Method 01-21-13_CALIB_A
Operator admin2003

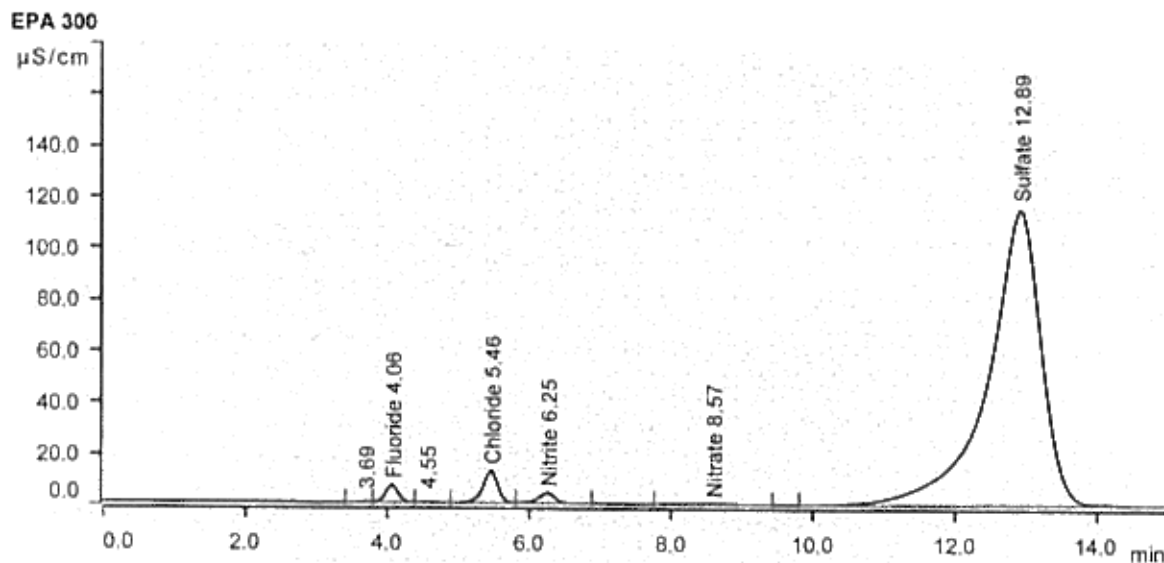


Peak number	Retention time min	Area ($\mu\text{S}/\text{cm}$) x min	Concentration ppm	Component name
2	3.980	1.3054	0.372	Fluoride
4	5.225	3.0976	1.520	Chloride
5	7.773	1.7168	0.383	Nitrate
6	11.515	98.8896	64.642	Sulfate

Sample data

Ident 1212169-001 10X
Sample type Sample
Determination start 2012-12-11 07:29:53 UTC-8
Method 11-15-12_CALIB
Operator admin2003

63301, 10 Dec.
ORIGINAL RUN.



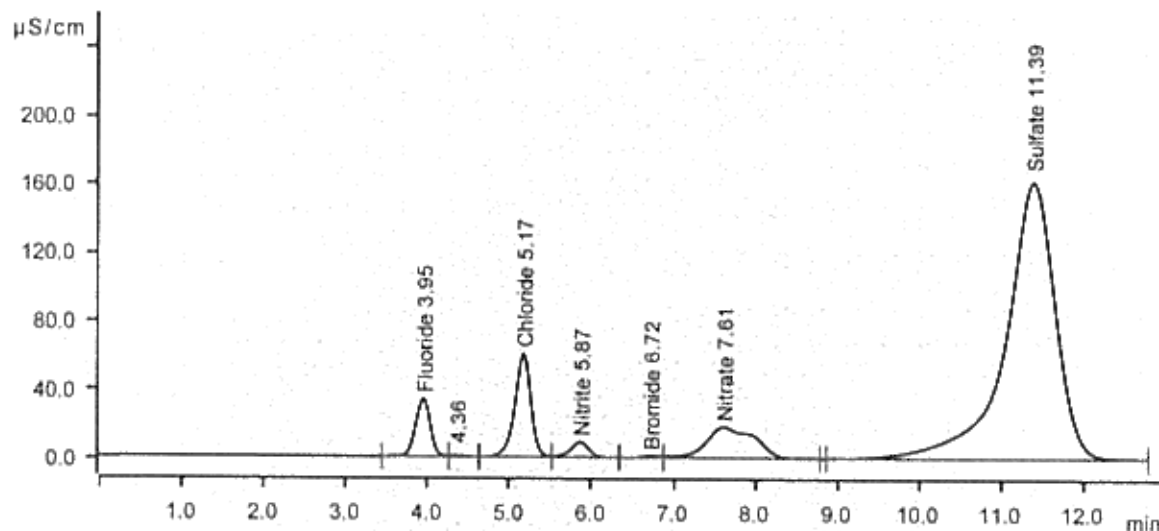
Peak number	Retention time min	Area (µS/cm) x min	Concentration ppm	Component name
2	4.060	1.4195	0.395	Fluoride
4	5.455	3.0787	1.585	Chloride
5	6.248	1.1403	0.304	Nitrite $\times 10 = 3.04$
6	8.573	0.1439	0.060	Nitrate $\times 10 = 0.6$
7	12.892	99.1864	67.070	Sulfate

"63301, 10 Dec." Spike.

Sample data

Ident 1212169-001 10x spk
Sample type Sample
Determination start 2013-02-06 08:19:48 UTC-8
Method 01-21-13_CALIB_A
Operator admin2003

EPA 300



Peak number	Retention time min	Area (µS/cm) x min	Concentration ppm	Component name
1	3.950	7.0658	2.274	Fluoride
3	5.172	13.7638	6.775	Chloride
4	5.865	2.3196	0.552	Nitrite
5	6.720	0.2519	0.334	Bromide
6	7.613	12.4322	2.632	Nitrate
7	11.387	113.6612	74.279	Sulfate

12/28/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Jim Defilippi

OrderID: 1212310

Dear: Jim Defilippi

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 12/17/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1212310

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Total Cyanide on sample 1212310-003 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1212310-001 Silver

1212310-002 Molybdenum, Silver, Selenium

1212310-003 Silver

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Jim Defilippi

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 12/28/2012

OrderID: 1212310

Customer Sample ID: 63301, 17 Dec

Collect Date/Time: 12/17/2012 09:00

WETLAB Sample ID: 1212310-001

Receive Date: 12/17/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	6.2	mg/L	0.20	12/19/2012
Cyanate	SM 4500 CNL	2.1	mg/L	0.10	12/21/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.18	mg/L	0.050	12/18/2012
pH	SM 4500-H+ B	8.77	pH Units		12/17/2012
Trace Metals Digestion	EPA 200.2	Complete			12/18/2012
Acidity (Titrimetric)	SM 2310B	-106	mg/L as CaCO3		12/19/2012
Bicarbonate (HCO3)	SM 2320B	470	mg/L	1.0	12/17/2012
Carbonate (CO3)	SM 2320B	34	mg/L	1.0	12/17/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/17/2012
Total Alkalinity	SM 2320B	450	mg/L as CaCO3	1.0	12/17/2012
Redox Potential	SM 2580B	190	mV		12/18/2012
Chloride	EPA 300.0	0.12	mg/L	0.10	12/18/2012
Fluoride	EPA 300.0	2.9	mg/L	1.0	12/18/2012
Sulfate	EPA 300.0	130	mg/L	10	12/18/2012
Nitrate Nitrogen	EPA 300.0	1.1	mg/L	1.0	12/18/2012
Nitrite Nitrogen	EPA 300.0	0.30	mg/L	0.25	12/18/2012
Total Kjeldahl Nitrogen	EPA 351.2	5.1	mg/L	0.50	12/27/2012
Total Nitrogen	Calc.	6.5	mg/L	0.070	12/27/2012
Total Cyanide	SM 4500CNC	1.4	mg/L	0.10	12/26/2012
Total Dissolved Solids (TDS)	SM 2540C	820	mg/L	10	12/18/2012
WAD Cyanide	SM 4500CNI	0.070	mg/L	0.010	12/26/2012
Electrical Conductivity	SM 2510B	1200	µmhos/cm	1	12/21/2012
Aluminum	EPA 200.7	6.3	mg/L	0.045	12/19/2012
Barium	EPA 200.7	0.057	mg/L	0.010	12/19/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	12/19/2012
Boron	EPA 200.7	0.092	mg/L	0.020	12/19/2012
Calcium	EPA 200.7	7.2	mg/L	0.50	12/19/2012

Customer Sample ID: 63301, 17 Dec

Collect Date/Time: 12/17/2012 09:00

WETLAB Sample ID: 1212310-001

Receive Date: 12/17/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.019	mg/L	0.0100	12/19/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	12/19/2012
Iron	EPA 200.7	5.4	mg/L	0.010	12/19/2012
Lithium	EPA 200.7	<0.020	mg/L	0.020	12/19/2012
Magnesium	EPA 200.7	1.5	mg/L	0.50	12/19/2012
Manganese	EPA 200.7	0.12	mg/L	0.0050	12/19/2012
Molybdenum	EPA 200.7	0.029	mg/L	0.0100	12/19/2012
Phosphorus	EPA 200.7	1.4	mg/L	0.50	12/19/2012
Potassium	EPA 200.7	4.7	mg/L	0.50	12/19/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	12/19/2012
Silicon	EPA 200.7	28	mg/L	0.10	12/19/2012
Sodium	EPA 200.7	260	mg/L	0.50	12/19/2012
Strontium	EPA 200.7	0.12	mg/L	0.1000	12/19/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	12/19/2012
Titanium	EPA 200.7	0.068	mg/L	0.0050	12/19/2012
Vanadium	EPA 200.7	0.040	mg/L	0.010	12/19/2012
Zinc	EPA 200.7	0.077	mg/L	0.010	12/19/2012
Mercury	EPA 200.8	0.00049	mg/L	0.00035	12/19/2012
Antimony	EPA 200.8	1.0	mg/L	0.12	12/20/2012
Arsenic	EPA 200.8	7.2	mg/L	0.25	12/20/2012
Beryllium	EPA 200.8	0.0011	mg/L	0.00100	12/26/2012
Cadmium	EPA 200.8	0.00071	mg/L	0.0002	12/26/2012
Chromium	EPA 200.8	0.0066	mg/L	0.0050	12/26/2012
Copper	EPA 200.8	0.038	mg/L	0.010	12/19/2012
Lead	EPA 200.8	0.32	mg/L	0.0050	12/19/2012
Nickel	EPA 200.8	0.013	mg/L	0.0100	12/26/2012
Selenium	EPA 200.8	0.017	mg/L	0.0050	12/26/2012
Silver	EPA 200.8	<0.0025	mg/L	0.0025	12/21/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	12/26/2012
Uranium	EPA 200.8	0.22	mg/L	0.0050	12/19/2012

Customer Sample ID: 63310, 17 Dec

Collect Date/Time: 12/17/2012 09:00

WETLAB Sample ID: 1212310-002

Receive Date: 12/17/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	5.2	mg/L	0.10	12/21/2012
Thiocyanate	SM 4500 CNM	1.4	mg/L	0.20	12/19/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.11	mg/L	0.050	12/18/2012

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Customer Sample ID: 63310, 17 Dec

Collect Date/Time: 12/17/2012 09:00

WETLAB Sample ID: 1212310-002

Receive Date: 12/17/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	8.75	pH Units		12/17/2012
Trace Metals Digestion	EPA 200.2	Complete			12/18/2012
Acidity (Titrimetric)	SM 2310B	-115	mg/L as CaCO ₃		12/19/2012
Bicarbonate (HCO ₃)	SM 2320B	460 Q	mg/L	1.0	12/17/2012
Carbonate (CO ₃)	SM 2320B	34	mg/L	1.0	12/17/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/17/2012
Total Alkalinity	SM 2320B	430 Q	mg/L as CaCO ₃	1.0	12/17/2012
Redox Potential	SM 2580B	230	mV		12/18/2012
Chloride	EPA 300.0	0.36	mg/L	0.10	12/18/2012
Fluoride	EPA 300.0	2.0	mg/L	1.0	12/18/2012
Sulfate	EPA 300.0	340	mg/L	10	12/18/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	12/18/2012
Nitrite Nitrogen	EPA 300.0	2.0	mg/L	0.25	12/18/2012
Total Kjeldahl Nitrogen	EPA 351.2	1.8	mg/L	0.10	12/27/2012
Total Nitrogen	Calc.	3.8	mg/L	0.070	12/27/2012
Total Cyanide	SM 4500CNC	0.26	mg/L	0.050	12/19/2012
Total Dissolved Solids (TDS)	SM 2540C	1100	mg/L	10	12/18/2012
WAD Cyanide	SM 4500CNI	0.010	mg/L	0.010	12/19/2012
Electrical Conductivity	SM 2510B	1700	µmhos/cm	1	12/21/2012
Aluminum	EPA 200.7	2.4	mg/L	0.045	12/19/2012
Barium	EPA 200.7	0.029	mg/L	0.010	12/19/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	12/19/2012
Boron	EPA 200.7	0.061	mg/L	0.020	12/19/2012
Calcium	EPA 200.7	6.4	mg/L	0.50	12/19/2012
Cobalt	EPA 200.7	0.0046	mg/L	0.0020	12/19/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	12/19/2012
Iron	EPA 200.7	1.4	mg/L	0.010	12/19/2012
Lithium	EPA 200.7	<0.020	mg/L	0.020	12/19/2012
Magnesium	EPA 200.7	0.45	mg/L	0.25	12/19/2012
Manganese	EPA 200.7	0.032	mg/L	0.0050	12/19/2012
Molybdenum	EPA 200.7	<0.025	mg/L	0.025	12/20/2012
Phosphorus	EPA 200.7	0.43	mg/L	0.25	12/19/2012
Potassium	EPA 200.7	5.1	mg/L	0.50	12/19/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	12/19/2012
Silicon	EPA 200.7	19	mg/L	0.10	12/19/2012
Sodium	EPA 200.7	370	mg/L	0.50	12/19/2012
Strontium	EPA 200.7	0.099	mg/L	0.050	12/19/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	12/19/2012

Customer Sample ID: 63310, 17 Dec

Collect Date/Time: 12/17/2012 09:00

WETLAB Sample ID: 1212310-002

Receive Date: 12/17/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Titanium	EPA 200.7	0.047	mg/L	0.0050	12/19/2012
Vanadium	EPA 200.7	0.026	mg/L	0.010	12/19/2012
Zinc	EPA 200.7	0.041	mg/L	0.010	12/19/2012
Mercury	EPA 200.8	0.00044	mg/L	0.00035	12/19/2012
Antimony	EPA 200.8	0.99	mg/L	0.12	12/20/2012
Arsenic	EPA 200.8	5.1	mg/L	0.25	12/20/2012
Beryllium	EPA 200.8	0.00053	mg/L	0.0002	12/26/2012
Cadmium	EPA 200.8	0.0004	mg/L	0.0002	12/26/2012
Chromium	EPA 200.8	0.0020	mg/L	0.0010	12/26/2012
Copper	EPA 200.8	0.077	mg/L	0.010	12/19/2012
Lead	EPA 200.8	0.23	mg/L	0.0050	12/19/2012
Nickel	EPA 200.8	0.0031	mg/L	0.0020	12/26/2012
Selenium	EPA 200.8	<0.020	mg/L	0.020	12/26/2012
Silver	EPA 200.8	<0.0025	mg/L	0.0025	12/21/2012
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	12/26/2012
Uranium	EPA 200.8	0.16	mg/L	0.0050	12/19/2012

Customer Sample ID: 63322, 17 Dec

Collect Date/Time: 12/17/2012 09:00

WETLAB Sample ID: 1212310-003

Receive Date: 12/17/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	1.7	mg/L	0.20	12/19/2012
Cyanate	SM 4500 CNL	4.2 Q	mg/L	0.10	12/21/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.16	mg/L	0.050	12/18/2012
pH	SM 4500-H+ B	8.87	pH Units		12/17/2012
Trace Metals Digestion	EPA 200.2	Complete			12/18/2012
Acidity (Titrimetric)	SM 2310B	-165	mg/L as CaCO3		12/19/2012
Bicarbonate (HCO3)	SM 2320B	430 Q	mg/L	1.0	12/17/2012
Carbonate (CO3)	SM 2320B	38 Q	mg/L	1.0	12/17/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/17/2012
Total Alkalinity	SM 2320B	420 Q	mg/L as CaCO3	1.0	12/17/2012
Redox Potential	SM 2580B	220	mV		12/18/2012
Chloride	EPA 300.0	2.8	mg/L	0.10	12/18/2012
Fluoride	EPA 300.0	1.4	mg/L	1.0	12/18/2012
Sulfate	EPA 300.0	390	mg/L	10	12/18/2012
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	12/18/2012
Nitrite Nitrogen	EPA 300.0	0.28	mg/L	0.25	12/18/2012
Total Kjeldahl Nitrogen	EPA 351.2	1.3	mg/L	0.10	12/27/2012

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Customer Sample ID: 63322, 17 Dec

Collect Date/Time: 12/17/2012 09:00

WETLAB Sample ID: 1212310-003

Receive Date: 12/17/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Nitrogen	Calc.	1.6	mg/L	0.070	12/27/2012
Total Cyanide	SM 4500CNC	0.48	M mg/L	0.050	12/19/2012
Total Dissolved Solids (TDS)	SM 2540C	1300	mg/L	10	12/18/2012
WAD Cyanide	SM 4500CNI	0.48	mg/L	0.10	12/19/2012
Electrical Conductivity	SM 2510B	2100	µmhos/cm	1	12/21/2012
Aluminum	EPA 200.7	1.4	mg/L	0.045	12/19/2012
Barium	EPA 200.7	0.020	mg/L	0.010	12/19/2012
Bismuth	EPA 200.7	<0.075	mg/L	0.075	12/19/2012
Boron	EPA 200.7	0.16	mg/L	0.100	12/19/2012
Calcium	EPA 200.7	6.9	mg/L	0.50	12/19/2012
Cobalt	EPA 200.7	0.0084	mg/L	0.0020	12/19/2012
Gallium	EPA 200.7	<0.020	mg/L	0.020	12/19/2012
Iron	EPA 200.7	0.76	mg/L	0.010	12/19/2012
Lithium	EPA 200.7	0.087	mg/L	0.020	12/19/2012
Magnesium	EPA 200.7	1.1	mg/L	0.50	12/19/2012
Manganese	EPA 200.7	0.021	mg/L	0.0050	12/19/2012
Molybdenum	EPA 200.7	0.0054	mg/L	0.0050	12/19/2012
Phosphorus	EPA 200.7	0.38	mg/L	0.25	12/19/2012
Potassium	EPA 200.7	5.6	mg/L	0.50	12/19/2012
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	12/19/2012
Silicon	EPA 200.7	16	mg/L	0.10	12/19/2012
Sodium	EPA 200.7	470	mg/L	0.50	12/19/2012
Strontium	EPA 200.7	0.12	mg/L	0.1000	12/19/2012
Tin	EPA 200.7	<0.010	mg/L	0.010	12/19/2012
Titanium	EPA 200.7	0.034	mg/L	0.020	12/19/2012
Vanadium	EPA 200.7	0.020	mg/L	0.010	12/19/2012
Zinc	EPA 200.7	0.030	mg/L	0.010	12/19/2012
Mercury	EPA 200.8	0.0004	mg/L	0.00035	12/19/2012
Antimony	EPA 200.8	0.42	mg/L	0.0050	12/19/2012
Arsenic	EPA 200.8	3.5	mg/L	0.025	12/20/2012
Beryllium	EPA 200.8	0.00046	mg/L	0.0002	12/26/2012
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	12/26/2012
Chromium	EPA 200.8	0.0018	mg/L	0.0010	12/26/2012
Copper	EPA 200.8	0.51	mg/L	0.010	12/19/2012
Lead	EPA 200.8	0.15	mg/L	0.0050	12/19/2012
Nickel	EPA 200.8	0.014	mg/L	0.0100	12/26/2012
Selenium	EPA 200.8	0.013	mg/L	0.0050	12/26/2012
Silver	EPA 200.8	<0.0025	mg/L	0.0025	12/19/2012

Customer Sample ID: 63322, 17 Dec

Collect Date/Time: 12/17/2012 09:00

WETLAB Sample ID: 1212310-003

Receive Date: 12/17/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	12/26/2012
Uranium	EPA 200.8	0.052	mg/L	0.0010	12/26/2012

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12120624	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12120624	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12120624	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12120640	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12120640	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12120640	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12120643	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12120643	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12120643	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12120646	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120646	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120646	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120647	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120647	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120647	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120648	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.100	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.0100	mg/L
		Gallium	EPA 200.7	<0.100	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.100	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.0100	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.1000	mg/L
		Tin	EPA 200.7	<0.100	mg/L
		Titanium	EPA 200.7	<0.1000	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12120651	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12120651	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12120651	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12120666	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12120666	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC12120667	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120667	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120667	Blank 3	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120669	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Arsenic	EPA 200.8	<0.0050	mg/L
		Beryllium	EPA 200.8	<0.00100	mg/L
		Cadmium	EPA 200.8	<0.00100	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.0100	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.00100	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC12120673	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12120673	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC12120697	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120697	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120741	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12120750	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12120849	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120849	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120849	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120849	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12120589	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC12120589	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC12120589	LCS 3	pH	SM 4500-H+ B	7.02	7.00	100	pH Units
QC12120595	LCS 1	Total Alkalinity	SM 2320B	98.9	100	99	mg/L
QC12120595	LCS 2	Total Alkalinity	SM 2320B	91.9	100	92	mg/L
QC12120595	LCS 3	Total Alkalinity	SM 2320B	95.2	100	95	mg/L
QC12120595	LCS 4	Total Alkalinity	SM 2320B	99.9	100	100	mg/L
QC12120624	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.902	1.00	90	mg/L
QC12120640	LCS 1	Fluoride	EPA 300.0	1.88	2.00	94	mg/L
QC12120643	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC12120646	LCS 1	Nitrite Nitrogen	EPA 300.0	0.546	0.500	109	mg/L
QC12120647	LCS 1	Nitrate Nitrogen	EPA 300.0	1.98	2.00	99	mg/L
QC12120648	LCS 1	Aluminum	EPA 200.7	0.968	1.00	97	mg/L
		Barium	EPA 200.7	1.01	1.00	101	mg/L
		Bismuth	EPA 200.7	1.01	1.00	101	mg/L
		Boron	EPA 200.7	0.959	1.00	96	mg/L
		Calcium	EPA 200.7	10.2	10.0	102	mg/L
		Cobalt	EPA 200.7	1.01	1.00	101	mg/L
		Gallium	EPA 200.7	0.964	1.00	96	mg/L
		Iron	EPA 200.7	0.993	1.00	99	mg/L
		Lithium	EPA 200.7	0.969	1.00	97	mg/L
		Magnesium	EPA 200.7	10.0	10.0	100	mg/L
		Manganese	EPA 200.7	0.991	1.00	99	mg/L
		Molybdenum	EPA 200.7	0.986	1.00	99	mg/L
		Phosphorus	EPA 200.7	5.20	5.00	104	mg/L
		Potassium	EPA 200.7	9.70	10.0	97	mg/L
		Scandium	EPA 200.7	0.977	1.00	98	mg/L
		Silicon	EPA 200.7	9.33	10.0	93	mg/L
		Sodium	EPA 200.7	10.0	10.0	100	mg/L
		Strontium	EPA 200.7	0.954	1.00	95	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Tin	EPA 200.7	0.998	1.00	100	mg/L	
		Titanium	EPA 200.7	0.978	1.00	98	mg/L	
		Vanadium	EPA 200.7	0.984	1.00	98	mg/L	
		Zinc	EPA 200.7	1.05	1.00	105	mg/L	
QC12120651	LCS 1	Sulfate	EPA 300.0	24.2	25.0	97	mg/L	
QC12120653	LCS 1	Redox Potential	SM 2580B	219	221	99	mV	
QC12120653	LCS 2	Redox Potential	SM 2580B	220	221	99	mV	
QC12120653	LCS 3	Redox Potential	SM 2580B		221		mV	
QC12120666	LCS 1	Total Cyanide	SM 4500CNC	0.087	0.100	87	mg/L	
QC12120667	LCS 1	WAD Cyanide	SM 4500CNI	0.099	0.100	99	mg/L	
QC12120669	LCS 1	Mercury	EPA 200.8	0.000894	0.001	89	mg/L	
		Antimony	EPA 200.8	0.0095	0.010	95	mg/L	
		Arsenic	EPA 200.8	0.0493	0.050	99	mg/L	
		Beryllium	EPA 200.8	0.0115	0.010	115	mg/L	
		Cadmium	EPA 200.8	0.0092	0.010	92	mg/L	
		Chromium	EPA 200.8	0.0098	0.010	98	mg/L	
		Copper	EPA 200.8	0.0089	0.010	89	mg/L	
		Lead	EPA 200.8	0.0096	0.010	96	mg/L	
		Nickel	EPA 200.8	0.0102	0.010	102	mg/L	
		Selenium	EPA 200.8	0.0455	0.050	91	mg/L	
		Silver	EPA 200.8	0.0098	0.010	98	mg/L	
		Thallium	EPA 200.8	0.0095	0.010	95	mg/L	
		Uranium	EPA 200.8	0.0094	0.010	94	mg/L	
QC12120697	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	161	150	108	mg/L	
QC12120697	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	141	150	94	mg/L	
QC12120741	LCS 1	Electrical Conductivity	SM 2510B	1406	1412	100	µmhos/cm	
QC12120750	LCS 1	Cyanate	SM 4500 CNL	1.08	1.00	108	mg/L	
QC12120849	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.650	0.690	94	mg/L	
QC12120849	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.645	0.690	93	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12120589	Duplicate	pH	SM 4500-H+ B	1212310-002	8.75	8.82	pH Units	1 %
QC12120589	Duplicate	pH	SM 4500-H+ B	1212310-003	8.87	8.85	pH Units	<1%
QC12120589	Duplicate	pH	SM 4500-H+ B	1212319-001	4.54	4.48	pH Units	1 %
QC12120589	Duplicate	pH	SM 4500-H+ B	1212319-002	7.45	7.38	pH Units	1 %
QC12120589	Duplicate	pH	SM 4500-H+ B	1212319-003	6.58	6.60	pH Units	<1%
QC12120589	Duplicate	pH	SM 4500-H+ B	1212319-004	7.88	7.90	pH Units	<1%
QC12120595	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212310-002	455	345	Q mg/L	28 %
		Carbonate (CO3)	SM 2320B	1212310-002	33.9	28.2	mg/L	18 %
		Hydroxide (OH)	SM 2320B	1212310-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212310-002	429	330	Q mg/L as CaCO3	26 %
QC12120595	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212310-003	433	649	Q mg/L	40 %
		Carbonate (CO3)	SM 2320B	1212310-003	37.8	57.8	Q mg/L	42 %
		Hydroxide (OH)	SM 2320B	1212310-003	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1212310-003	417	628	Q mg/L as CaCO3	40 %
QC12120595	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212319-002	32.1	36.4	mg/L	12 %
		Carbonate (CO3)	SM 2320B	1212319-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212319-002	<1.000	<1.000	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC12120595	Duplicate	Total Alkalinity	SM 2320B	1212319-002	26.4	29.8	mg/L as CaCO3	12 %
		Bicarbonate (HCO3)	SM 2320B	1212319-003	8.05	7.91	mg/L	2 %
		Carbonate (CO3)	SM 2320B	1212319-003	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212319-003	<1.000	<1.000	mg/L	<1%
QC12120595	Duplicate	Total Alkalinity	SM 2320B	1212319-003	6.60	6.49	mg/L as CaCO3	2 %
		Bicarbonate (HCO3)	SM 2320B	1212319-004	104	102	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1212319-004	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212319-004	<1.000	<1.000	mg/L	<1%
QC12120595	Duplicate	Total Alkalinity	SM 2320B	1212319-004	85.2	84.0	mg/L as CaCO3	1 %
		Redox Potential	SM 2580B	1212316-001	455	455	mV	<1%
		Redox Potential	SM 2580B	1212316-011	395	393	mV	1 %
		Redox Potential	SM 2580B	1212310-001	192	190	mV	1 %
QC12120697	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212258-001	281	271	mg/L	4 %
QC12120697	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212274-002	345	339	mg/L	2 %
QC12120697	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212283-006	461	524	Q mg/L	13 %
QC12120697	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212310-002	1052	972	mg/L	8 %
QC12120741	Duplicate	Electrical Conductivity	SM 2510B	1212217-001	162	162	µmhos/cm	<1%
QC12120750	Duplicate	Cyanate	SM 4500 CNL	1212310-003	4.18	3.35	Q mg/L	22 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC12120624	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1212301-002	0.114	1.05	1.04	1.00	mg/L	94	93	1 %
QC12120624	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1212263-002	0.055	0.992	1.01	1.00	mg/L	94	95	2 %
QC12120640	MS 1	Fluoride	EPA 300.0	1212319-002	<1.000	21.7	20.0	2.00	mg/L	104	95	8 %
QC12120640	MS 2	Fluoride	EPA 300.0	1212320-003	<0.100	1.81	1.83	2.00	mg/L	88	90	1 %
QC12120643	MS 1	Chloride	EPA 300.0	1212319-002	<10.000	51.6	52.1	5.00	mg/L	103	104	1 %
QC12120643	MS 2	Chloride	EPA 300.0	1212320-003	<1.000	5.50	5.57	5.00	mg/L	105	107	1 %
QC12120646	MS 1	Nitrite Nitrogen	EPA 300.0	1212319-002	<0.250	5.63	5.57	0.500	mg/L	113	111	1 %
QC12120646	MS 2	Nitrite Nitrogen	EPA 300.0	1212321-004	<0.025	0.507	0.507	0.500	mg/L	98	98	<1%
QC12120647	MS 1	Nitrate Nitrogen	EPA 300.0	1212319-002	<1.000	20.4	20.5	2.00	mg/L	102	103	<1%
QC12120647	MS 2	Nitrate Nitrogen	EPA 300.0	1212320-003	<1.000	2.12	2.15	2.00	mg/L	104	106	1 %
QC12120648	MS 1	Aluminum	EPA 200.7	1212208-001	4.93	5.98	5.73	1.00	mg/L	105	80	4 %
		Barium	EPA 200.7	1212208-001	0.013	0.939	0.902	1.00	mg/L	93	89	4 %
		Bismuth	EPA 200.7	1212208-001	<0.100	0.958	0.926	1.00	mg/L	99	96	3 %
		Boron	EPA 200.7	1212208-001	<0.100	0.982	0.951	1.00	mg/L	94	91	3 %
		Calcium	EPA 200.7	1212208-001	392	SC 387	369	10.0	mg/L	NC	NC	NC
		Cobalt	EPA 200.7	1212208-001	0.039	0.970	0.928	1.00	mg/L	93	89	4 %
		Gallium	EPA 200.7	1212208-001	<0.100	0.936	0.905	1.00	mg/L	93	90	3 %
		Iron	EPA 200.7	1212208-001	0.356	1.30	1.23	1.00	mg/L	94	87	6 %
		Lithium	EPA 200.7	1212208-001	<0.100	1.02	0.996	1.00	mg/L	101	99	2 %
		Magnesium	EPA 200.7	1212208-001	<0.500	9.49	9.05	10.0	mg/L	93	88	5 %
		Manganese	EPA 200.7	1212208-001	<0.005	0.861	0.828	1.00	mg/L	93	89	4 %
		Molybdenum	EPA 200.7	1212208-001	<0.010	0.915	0.872	1.00	mg/L	94	90	5 %
		Phosphorus	EPA 200.7	1212208-001	<0.500	5.05	4.82	5.00	mg/L	102	97	5 %
		Potassium	EPA 200.7	1212208-001	0.840	10.9	10.6	10.0	mg/L	101	98	3 %
		Scandium	EPA 200.7	1212208-001	<0.100	0.947	0.914	1.00	mg/L	95	91	4 %
		Silicon	EPA 200.7	1212208-001	7.36	16.4	15.6	10.0	mg/L	90	82	5 %
		Sodium	EPA 200.7	1212208-001	2.91	13.2	12.8	10.0	mg/L	103	99	3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Strontium	EPA 200.7	1212208-001	0.601	1.52	1.51	1.00	mg/L	92	91	1 %
		Tin	EPA 200.7	1212208-001	<0.100	0.749	0.705	1.00	mg/L	93	89	6 %
		Titanium	EPA 200.7	1212208-001	<0.100	0.957	0.918	1.00	mg/L	96	92	4 %
		Vanadium	EPA 200.7	1212208-001	<0.010	0.959	0.922	1.00	mg/L	96	92	4 %
		Zinc	EPA 200.7	1212208-001	0.367	1.23	1.17	1.00	mg/L	86	80	5 %
QC12120651	MS 1	Sulfate	EPA 300.0	1212319-002	446	541	538	10.0	mg/L	95	92	1 %
QC12120651	MS 2	Sulfate	EPA 300.0	1212320-003	1.88	12.0	12.2	10.0	mg/L	101	103	2 %
QC12120666	MS 1	Total Cyanide	SM 4500CNC	1212310-003	0.478	M 0.621	0.610	0.100	mg/L	NC	NC	NC
QC12120667	MS 1	WAD Cyanide	SM 4500CNI	1212310-002	0.010	0.112	0.113	0.100	mg/L	102	103	1 %
QC12120669	MS 1	Mercury	EPA 200.8	1212208-001	<0.00010	0.000799	0.000815	0.001	mg/L	80	82	2 %
		Antimony	EPA 200.8	1212208-001	0.0031	0.0123	0.0126	0.010	mg/L	92	95	2 %
		Arsenic	EPA 200.8	1212208-001	0.0072	0.0626	0.0625	0.050	mg/L	111	111	<1%
		Beryllium	EPA 200.8	1212208-001	<0.0010	0.0106	0.0108	0.010	mg/L	98	101	2 %
		Cadmium	EPA 200.8	1212208-001	0.0015	0.0101	0.0101	0.010	mg/L	85	86	<1%
		Chromium	EPA 200.8	1212208-001	<0.0050	0.0133	0.0135	0.010	mg/L	120	122	1 %
		Copper	EPA 200.8	1212208-001	0.8260	SC 0.8230	0.8735	0.010	mg/L	NC	NC	NC
		Lead	EPA 200.8	1212208-001	<0.0025	0.0110	0.0111	0.010	mg/L	90	91	1 %
		Nickel	EPA 200.8	1212208-001	0.0281	0.0370	0.0378	0.010	mg/L	89	98	2 %
		Selenium	EPA 200.8	1212208-001	0.0288	0.0771	0.0765	0.050	mg/L	96	95	1 %
		Silver	EPA 200.8	1212208-001	<0.0050	0.0098	0.0096	0.010	mg/L	98	96	2 %
		Thallium	EPA 200.8	1212208-001	<0.0010	0.0091	0.0093	0.010	mg/L	90	93	2 %
		Uranium	EPA 200.8	1212208-001	<0.0050	0.0110	0.0112	0.010	mg/L	97	99	2 %
QC12120673	MS 1	Thiocyanate	SM 4500 CN	1212267-004	54.4	105	104	0.500	mg/L	101	100	1 %
QC12120849	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1212258-001	0.105	0.764	0.685	0.690	mg/L	96	84	11 %
QC12120849	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1212280-001	0.134	0.760	0.740	0.690	mg/L	91	88	3 %
QC12120849	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1212287-001	<0.100	0.718	0.737	0.690	mg/L	97	100	3 %

12/20/2012

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1212326

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 12/18/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1212326

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Selenium and Thallium on sample 1212326-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1212326-001 Nitrite Nitrogen, Fluoride

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: 41937/Eagle Gold/366C

Date Printed: 12/20/2012

OrderID: 1212326

Customer Sample ID: Tt-VG-Bench-1

Collect Date/Time: 12/17/2012 14:30

WETLAB Sample ID: 1212326-001

Receive Date: 12/18/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	1.6	mg/L	1	12/18/2012
Cyanate	SM 4500 CNL	0.71	Q mg/L	0.10	12/18/2012
Ammonia, as Nitrogen	SM 4500 NH3 D	0.87	mg/L	0.050	12/18/2012
pH	SM 4500-H+ B	5.87	pH Units		12/18/2012
Trace Metals Digestion	EPA 200.2	Complete			12/18/2012
Acidity (Titrimetric)	SM 2310B	10	mg/L as CaCO3		12/18/2012
Bicarbonate (HCO3)	SM 2320B	1.7	mg/L	1.0	12/18/2012
Carbonate (CO3)	SM 2320B	<1.0	mg/L	1.0	12/18/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/18/2012
Total Alkalinity	SM 2320B	1.4	mg/L as CaCO3	1.0	12/18/2012
Redox Potential	SM 2580B	490	mV		12/18/2012
Total Phosphorous as P	EPA 365.3	0.021	mg/L	0.010	12/18/2012
Chloride	EPA 300.0	1600	mg/L	10	12/18/2012
Fluoride	EPA 300.0	<1.0	mg/L	1.0	12/18/2012
Sulfate	EPA 300.0	280	mg/L	100	12/18/2012
Nitrate Nitrogen	EPA 300.0	18	mg/L	1.0	12/18/2012
Nitrite Nitrogen	EPA 300.0	<0.25	mg/L	0.25	12/18/2012
Total Kjeldahl Nitrogen	EPA 351.2	4.8	mg/L	0.50	12/18/2012
Total Dissolved Solids (TDS)	SM 2540C	3200	mg/L	10	12/18/2012
WAD Cyanide	SM 4500CNI	<0.010	mg/L	0.010	12/19/2012
Electrical Conductivity	SM 2510B	5900	µmhos/cm	1	12/18/2012
Aluminum	EPA 200.7	<0.045	mg/L	0.045	12/18/2012
Barium	EPA 200.7	<0.010	mg/L	0.010	12/18/2012
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	12/18/2012
Bismuth	EPA 200.7	<0.10	mg/L	0.10	12/18/2012
Boron	EPA 200.7	0.12	mg/L	0.100	12/18/2012
Cadmium	EPA 200.7	<0.0010	mg/L	0.0010	12/18/2012

Customer Sample ID: Tt-VG-Bench-1

Collect Date/Time: 12/17/2012 14:30

WETLAB Sample ID: 1212326-001

Receive Date: 12/18/2012 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Calcium	EPA 200.7	150	mg/L	0.50	12/18/2012
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	12/18/2012
Cobalt	EPA 200.7	<0.010	mg/L	0.010	12/18/2012
Copper	EPA 200.7	<0.050	mg/L	0.050	12/18/2012
Gallium	EPA 200.7	<0.10	mg/L	0.10	12/18/2012
Iron	EPA 200.7	0.021	mg/L	0.010	12/18/2012
Lithium	EPA 200.7	<0.10	mg/L	0.10	12/18/2012
Magnesium	EPA 200.7	4.9	mg/L	0.50	12/18/2012
Manganese	EPA 200.7	<0.0050	mg/L	0.0050	12/18/2012
Molybdenum	EPA 200.7	<0.010	mg/L	0.010	12/18/2012
Nickel	EPA 200.7	0.023	mg/L	0.010	12/18/2012
Potassium	EPA 200.7	8.9	mg/L	0.50	12/18/2012
Scandium	EPA 200.7	<0.10	mg/L	0.10	12/18/2012
Silver	EPA 200.7	<0.0050	mg/L	0.0050	12/18/2012
Sodium	EPA 200.7	1100 SC	mg/L	25	12/18/2012
Strontium	EPA 200.7	0.11	mg/L	0.10	12/18/2012
Tin	EPA 200.7	<0.10	mg/L	0.10	12/18/2012
Titanium	EPA 200.7	<0.10	mg/L	0.10	12/18/2012
Vanadium	EPA 200.7	<0.010	mg/L	0.010	12/18/2012
Zinc	EPA 200.7	0.018	mg/L	0.010	12/18/2012
Mercury	EPA 200.8	<0.00010	mg/L	0.00010	12/18/2012
Antimony	EPA 200.8	0.0058	mg/L	0.0025	12/18/2012
Arsenic	EPA 200.8	0.0071	mg/L	0.0050	12/18/2012
Lead	EPA 200.8	<0.0025	mg/L	0.0025	12/18/2012
Selenium	EPA 200.8	<0.0050 M	mg/L	0.0050	12/18/2012
Thallium	EPA 200.8	<0.0010 M	mg/L	0.0010	12/18/2012
Uranium	EPA 200.8	<0.0050	mg/L	0.0050	12/18/2012

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC12120603	Blank 1	Thiocyanate	SM 4500 CNM	<1	mg/L
QC12120603	Blank 2	Thiocyanate	SM 4500 CNM	<1	mg/L
QC12120609	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC12120615	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC12120617	Blank 1	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC12120617	Blank 2	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC12120617	Blank 3	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC12120617	Blank 4	Total Phosphorous as P	EPA 365.3	<0.010	mg/L
QC12120619	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12120619	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC12120622	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120622	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC12120624	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12120624	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12120624	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC12120639	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC12120639	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC12120640	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC12120640	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC12120640	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC12120643	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC12120643	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC12120643	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC12120645	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC12120646	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120646	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120646	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC12120647	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120647	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120647	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC12120651	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC12120651	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC12120651	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC12120697	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC12120697	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12120609	LCS 1	Aluminum	EPA 200.7	0.970	1.00	97	mg/L
		Barium	EPA 200.7	0.954	1.00	95	mg/L
		Beryllium	EPA 200.7	0.950	1.00	95	mg/L
		Bismuth	EPA 200.7	0.992	1.00	99	mg/L
		Boron	EPA 200.7	0.923	1.00	92	mg/L
		Cadmium	EPA 200.7	0.955	1.00	96	mg/L
		Calcium	EPA 200.7	9.33	10.0	93	mg/L
		Chromium	EPA 200.7	0.951	1.00	95	mg/L
		Cobalt	EPA 200.7	0.956	1.00	96	mg/L
		Copper	EPA 200.7	4.75	5.00	95	mg/L
		Gallium	EPA 200.7	0.976	1.00	98	mg/L
		Iron	EPA 200.7	0.928	1.00	93	mg/L
		Lithium	EPA 200.7	0.977	1.00	98	mg/L
		Magnesium	EPA 200.7	9.05	10.0	90	mg/L
		Manganese	EPA 200.7	0.956	1.00	96	mg/L
		Molybdenum	EPA 200.7	0.953	1.00	95	mg/L
		Nickel	EPA 200.7	4.76	5.00	95	mg/L
		Potassium	EPA 200.7	9.82	10.0	98	mg/L
		Scandium	EPA 200.7	0.945	1.00	94	mg/L
		Silver	EPA 200.7	0.087	0.090	97	mg/L
		Sodium	EPA 200.7	9.88	10.0	99	mg/L
		Strontium	EPA 200.7	0.973	1.00	97	mg/L
		Tin	EPA 200.7	0.924	1.00	92	mg/L
		Titanium	EPA 200.7	0.936	1.00	94	mg/L
		Vanadium	EPA 200.7	0.954	1.00	95	mg/L
		Zinc	EPA 200.7	0.953	1.00	95	mg/L
QC12120615	LCS 1	Mercury	EPA 200.8	0.000900	0.001	90	mg/L
		Antimony	EPA 200.8	0.0091	0.010	91	mg/L
		Arsenic	EPA 200.8	0.0479	0.050	96	mg/L
		Lead	EPA 200.8	0.0094	0.010	94	mg/L
		Selenium	EPA 200.8	0.0446	0.050	89	mg/L
		Thallium	EPA 200.8	0.0094	0.010	94	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery		Units	
QC12120617	LCS 1	Uranium	EPA 200.8	0.0091	0.010	91		mg/L	
QC12120617	LCS 1	Total Phosphorous as P	EPA 365.3	0.502	0.500	100		mg/L	
QC12120617	LCS 2	Total Phosphorous as P	EPA 365.3	0.515	0.500	103		mg/L	
QC12120619	LCS 1	Cyanate	SM 4500 CNL	0.945	1.00	95		mg/L	
QC12120622	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.704	0.690	102		mg/L	
QC12120624	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.902	1.00	90		mg/L	
QC12120639	LCS 1	WAD Cyanide	SM 4500CNI	0.114	0.100	114		mg/L	
QC12120640	LCS 1	Fluoride	EPA 300.0	1.88	2.00	94		mg/L	
QC12120643	LCS 1	Chloride	EPA 300.0	10.3	10.0	103		mg/L	
QC12120645	LCS 1	Electrical Conductivity	SM 2510B	1423	1412	101		µmhos/cm	
QC12120646	LCS 1	Nitrite Nitrogen	EPA 300.0	0.546	0.500	109		mg/L	
QC12120647	LCS 1	Nitrate Nitrogen	EPA 300.0	1.98	2.00	99		mg/L	
QC12120651	LCS 1	Sulfate	EPA 300.0	24.2	25.0	97		mg/L	
QC12120655	LCS 1	Redox Potential	SM 2580B	220	221	99		mV	
QC12120658	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100		pH Units	
QC12120658	LCS 2	pH	SM 4500-H+ B	6.99	7.00	100		pH Units	
QC12120659	LCS 1	Total Alkalinity	SM 2320B	97.7	100	98		mg/L	
QC12120659	LCS 2	Total Alkalinity	SM 2320B	99.6	100	100		mg/L	
QC12120659	LCS 3	Total Alkalinity	SM 2320B	102	100	102		mg/L	
QC12120697	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	161	150	108		mg/L	
QC12120697	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	141	150	94		mg/L	

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result		Units	RPD
QC12120619	Duplicate	Cyanate	SM 4500 CNL	1212326-001	0.710	0.564	Q	mg/L	23 %
QC12120645	Duplicate	Electrical Conductivity	SM 2510B	1212170-001	5440	5450		µmhos/cm	<1%
QC12120655	Duplicate	Redox Potential	SM 2580B	1212326-001	491	492		mV	<1%
QC12120658	Duplicate	pH	SM 4500-H+ B	1212349-001	6.92	6.93		pH Units	<1%
QC12120658	Duplicate	pH	SM 4500-H+ B	1212348-001	7.96	8.01		pH Units	1 %
QC12120658	Duplicate	pH	SM 4500-H+ B	1212348-002	8.37	8.45		pH Units	1 %
QC12120659	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212349-001	12.3	13.6		mg/L	10 %
		Carbonate (CO3)	SM 2320B	1212349-001	<1.000	<1.000		mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212349-001	<1.000	<1.000		mg/L	<1%
		Total Alkalinity	SM 2320B	1212349-001	10.1	11.2		mg/L as CaCO3	10 %
QC12120659	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212348-001	45.5	44.8		mg/L	2 %
		Carbonate (CO3)	SM 2320B	1212348-001	<1.000	<1.000		mg/L	<1%
		Hydroxide (OH)	SM 2320B	1212348-001	<1.000	<1.000		mg/L	<1%
		Total Alkalinity	SM 2320B	1212348-001	37.3	36.7		mg/L as CaCO3	2 %
QC12120659	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212348-002	33.5	28.8		mg/L	15 %
		Carbonate (CO3)	SM 2320B	1212348-002	1.57	3.61	Q	mg/L	79 %
		Hydroxide (OH)	SM 2320B	1212348-002	<1.000	<1.000		mg/L	<1%
		Total Alkalinity	SM 2320B	1212348-002	30.1	29.6		mg/L as CaCO3	2 %
QC12120697	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212258-001	281	271		mg/L	4 %
QC12120697	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212274-002	345	339		mg/L	2 %
QC12120697	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212283-006	461	524	Q	mg/L	13 %
QC12120697	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212310-002	1052	972		mg/L	8 %

QCBatchID	QCType	Parameter	Method	Spike	Sample	MS	MSD	Spike	MS %	MSD %	RPD

				Samnle	Result	Result	Result	Value		Rec.	Rec.	
QC12120603	MS 1	Thiocyanate	SM 4500 CN	1212326-001	1.58	6.67	NA	0.500	mg/L	102	NA	NA
QC12120609	MS 1	Aluminum	EPA 200.7	1212326-001	<0.045	1.07	1.08	1.00	mg/L	103	104	1 %
		Barium	EPA 200.7	1212326-001	<0.010	0.915	0.911	1.00	mg/L	91	90	<1%
		Beryllium	EPA 200.7	1212326-001	<0.001	0.949	0.945	1.00	mg/L	95	95	<1%
		Bismuth	EPA 200.7	1212326-001	<0.100	0.921	0.915	1.00	mg/L	94	93	1 %
		Boron	EPA 200.7	1212326-001	0.116	1.05	1.05	1.00	mg/L	93	93	<1%
		Cadmium	EPA 200.7	1212326-001	<0.001	0.887	0.878	1.00	mg/L	89	88	1 %
		Calcium	EPA 200.7	1212326-001	154	161	166	10.0	mg/L	70	120	3 %
		Chromium	EPA 200.7	1212326-001	<0.005	0.925	0.924	1.00	mg/L	92	92	<1%
		Cobalt	EPA 200.7	1212326-001	<0.010	0.894	0.889	1.00	mg/L	89	88	1 %
		Copper	EPA 200.7	1212326-001	<0.050	5.11	5.11	5.00	mg/L	102	102	<1%
		Gallium	EPA 200.7	1212326-001	<0.100	0.940	0.939	1.00	mg/L	94	93	<1%
		Iron	EPA 200.7	1212326-001	0.021	0.924	0.920	1.00	mg/L	90	90	<1%
		Lithium	EPA 200.7	1212326-001	<0.100	0.952	0.957	1.00	mg/L	89	90	1 %
		Magnesium	EPA 200.7	1212326-001	4.86	13.4	13.5	10.0	mg/L	85	86	1 %
		Manganese	EPA 200.7	1212326-001	<0.005	0.913	0.910	1.00	mg/L	91	91	<1%
		Molybdenum	EPA 200.7	1212326-001	<0.010	0.899	0.887	1.00	mg/L	90	89	1 %
		Nickel	EPA 200.7	1212326-001	0.023	4.40	4.36	5.00	mg/L	88	87	1 %
		Potassium	EPA 200.7	1212326-001	8.87	18.3	18.8	10.0	mg/L	94	99	3 %
		Scandium	EPA 200.7	1212326-001	<0.100	0.938	0.936	1.00	mg/L	94	94	<1%
		Silver	EPA 200.7	1212326-001	<0.005	0.089	0.089	0.090	mg/L	99	99	<1%
		Sodium	EPA 200.7	1212326-001	1140	SC 1060	1170	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1212326-001	0.108	1.04	1.04	1.00	mg/L	93	93	<1%
		Tin	EPA 200.7	1212326-001	<0.100	0.880	0.868	1.00	mg/L	91	89	1 %
		Titanium	EPA 200.7	1212326-001	<0.100	0.934	0.938	1.00	mg/L	94	94	<1%
		Vanadium	EPA 200.7	1212326-001	<0.010	0.971	0.967	1.00	mg/L	96	96	<1%
		Zinc	EPA 200.7	1212326-001	0.018	0.937	0.917	1.00	mg/L	92	90	2 %
QC12120615	MS 1	Mercury	EPA 200.8	1212326-001	<0.00010	0.000774	0.000790	0.001	mg/L	77	79	2 %
		Antimony	EPA 200.8	1212326-001	0.0058	0.0145	0.0140	0.010	mg/L	86	82	4 %
		Arsenic	EPA 200.8	1212326-001	0.0071	0.0547	0.0543	0.050	mg/L	95	94	1 %
		Lead	EPA 200.8	1212326-001	<0.0025	0.0076	0.0076	0.010	mg/L	75	75	<1%
		Selenium	EPA 200.8	1212326-001	<0.0050	M 0.0372	0.0316	0.050	mg/L	NC	NC	NC
		Thallium	EPA 200.8	1212326-001	<0.0010	M 0.0069	0.0069	0.010	mg/L	NC	NC	NC
		Uranium	EPA 200.8	1212326-001	<0.0050	0.0082	0.0081	0.010	mg/L	82	81	1 %
QC12120617	MS 1	Total Phosphorous as P	EPA 365.3	1212302-002	<0.100	0.542	0.551	0.500	mg/L	97	99	2 %
QC12120617	MS 2	Total Phosphorous as P	EPA 365.3	1212263-001	<0.010	0.496	0.507	0.500	mg/L	99	101	2 %
QC12120617	MS 3	Total Phosphorous as P	EPA 365.3	1212326-001	0.021	0.515	0.512	0.500	mg/L	99	98	1 %
QC12120622	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1212033-001	3.25	SC 3.80	3.82	0.690	mg/L	NC	NC	NC
QC12120624	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1212301-002	0.114	1.05	1.04	1.00	mg/L	94	93	1 %
QC12120624	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1212263-002	0.055	0.992	1.01	1.00	mg/L	94	95	2 %
QC12120639	MS 1	WAD Cyanide	SM 4500CNI	1212234-002	337	SC 300	306	0.100	mg/L	NC	NC	NC
QC12120640	MS 1	Fluoride	EPA 300.0	1212319-002	<1.000	21.7	20.0	2.00	mg/L	104	95	8 %
QC12120640	MS 2	Fluoride	EPA 300.0	1212320-003	<0.100	1.81	1.83	2.00	mg/L	88	90	1 %
QC12120643	MS 1	Chloride	EPA 300.0	1212319-002	<10.000	51.6	52.1	5.00	mg/L	103	104	1 %
QC12120643	MS 2	Chloride	EPA 300.0	1212320-003	<1.000	5.50	5.57	5.00	mg/L	105	107	1 %
QC12120646	MS 1	Nitrite Nitrogen	EPA 300.0	1212319-002	<0.250	5.63	5.57	0.500	mg/L	113	111	1 %
QC12120646	MS 2	Nitrite Nitrogen	EPA 300.0	1212321-004	<0.025	0.507	0.507	0.500	mg/L	98	98	<1%
QC12120647	MS 1	Nitrate Nitrogen	EPA 300.0	1212319-002	<1.000	20.4	20.5	2.00	mg/L	102	103	<1%
QC12120647	MS 2	Nitrate Nitrogen	EPA 300.0	1212320-003	<1.000	2.12	2.15	2.00	mg/L	104	106	1 %
QC12120651	MS 1	Sulfate	EPA 300.0	1212319-002	446	541	538	10.0	mg/L	95	92	1 %
QC12120651	MS 2	Sulfate	EPA 300.0	1212320-003	1.88	12.0	12.2	10.0	mg/L	101	103	2 %

1/4/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1212518

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 12/28/2012. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1212518

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Silicon on sample 1212518-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1212518-001 Mercury

1212518-002 Mercury

1212518-003 Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 1/4/2013

OrderID: 1212518

Customer Sample ID: 63301, 24 Dec

Collect Date/Time: 12/28/2012 11:40

WETLAB Sample ID: 1212518-001

Receive Date: 12/28/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	2.2	mg/L	0.20	1/3/2013
Cyanate	SM 4500 CNL	2.9	mg/L	0.10	1/4/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.099	mg/L	0.050	1/2/2013
pH	SM 4500-H+ B	8.86	pH Units		12/28/2012
Trace Metals Digestion	EPA 200.2	Complete			1/2/2013
Acidity (Titrimetric)	SM 2310B	-49	mg/L as CaCO3		1/3/2013
Bicarbonate (HCO3)	SM 2320B	540	mg/L	1.0	12/28/2012
Carbonate (CO3)	SM 2320B	40	mg/L	1.0	12/28/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/28/2012
Total Alkalinity	SM 2320B	510	mg/L as CaCO3	1.0	12/28/2012
Redox Potential	SM 2580B	180	mV		12/28/2012
Chloride	EPA 300.0	<1.0	mg/L	1.0	12/28/2012
Fluoride	EPA 300.0	2.7	mg/L	1.0	12/28/2012
Sulfate	EPA 300.0	110	mg/L	10	12/28/2012
Nitrate Nitrogen	EPA 300.0	0.84	mg/L	0.10	12/28/2012
Nitrite Nitrogen	EPA 300.0	0.22	mg/L	0.20	12/28/2012
Total Kjeldahl Nitrogen	EPA 351.2	2.9	mg/L	0.20	1/2/2013
Total Nitrogen	Calc.	2.9	mg/L	0.070	1/2/2013
Total Cyanide	SM 4500CNC	1.0	mg/L	0.10	1/4/2013
Total Dissolved Solids (TDS)	SM 2540C	790	mg/L	10	1/2/2013
WAD Cyanide	SM 4500CNI	0.067	mg/L	0.010	1/3/2013
Electrical Conductivity	SM 2510B	1200	µmhos/cm	1	1/4/2013
Aluminum	EPA 200.7	4.4	SC mg/L	0.045	1/4/2013
Barium	EPA 200.7	0.046	mg/L	0.010	1/4/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/4/2013
Boron	EPA 200.7	0.085	mg/L	0.020	1/4/2013
Calcium	EPA 200.7	8.0	mg/L	0.50	1/4/2013

Customer Sample ID: 63301, 24 Dec

Collect Date/Time: 12/28/2012 11:40

WETLAB Sample ID: 1212518-001

Receive Date: 12/28/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.0084	mg/L	0.0020	1/4/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/4/2013
Iron	EPA 200.7	2.8	mg/L	0.010	1/4/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	1/4/2013
Magnesium	EPA 200.7	0.91	mg/L	0.50	1/4/2013
Manganese	EPA 200.7	0.080	mg/L	0.0050	1/4/2013
Molybdenum	EPA 200.7	0.024	mg/L	0.0100	1/4/2013
Phosphorus	EPA 200.7	1.2	mg/L	0.50	1/4/2013
Potassium	EPA 200.7	4.6	mg/L	0.50	1/4/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	1/4/2013
Silicon	EPA 200.7	25 M	mg/L	0.10	1/4/2013
Sodium	EPA 200.7	270	mg/L	0.50	1/4/2013
Strontium	EPA 200.7	0.14	mg/L	0.10	1/4/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/4/2013
Titanium	EPA 200.7	0.060	mg/L	0.0050	1/4/2013
Vanadium	EPA 200.7	0.034	mg/L	0.010	1/4/2013
Zinc	EPA 200.7	0.043	mg/L	0.010	1/4/2013
Mercury	EPA 200.8	<0.00077	mg/L	0.00077	1/3/2013
Antimony	EPA 200.8	1.1 SC	mg/L	0.12	1/3/2013
Arsenic	EPA 200.8	6.4	mg/L	0.050	1/3/2013
Beryllium	EPA 200.8	0.00071	mg/L	0.0002	1/3/2013
Cadmium	EPA 200.8	0.00029	mg/L	0.0002	1/3/2013
Chromium	EPA 200.8	0.0038	mg/L	0.0010	1/3/2013
Copper	EPA 200.8	0.034	mg/L	0.0050	1/4/2013
Lead	EPA 200.8	0.29 SC	mg/L	0.025	1/3/2013
Nickel	EPA 200.8	0.0073	mg/L	0.0020	1/3/2013
Selenium	EPA 200.8	0.018	mg/L	0.0050	1/2/2013
Silver	EPA 200.8	0.0011	mg/L	0.0005	1/4/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/2/2013
Uranium	EPA 200.8	0.17	mg/L	0.0050	1/2/2013

Customer Sample ID: 63316, 24 Dec

Collect Date/Time: 12/28/2012 11:40

WETLAB Sample ID: 1212518-002

Receive Date: 12/28/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	2.1	mg/L	0.10	1/4/2013
Thiocyanate	SM 4500 CNM	1.2	mg/L	0.20	1/3/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.11	mg/L	0.050	1/2/2013

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Customer Sample ID: 63316, 24 Dec

Collect Date/Time: 12/28/2012 11:40

WETLAB Sample ID: 1212518-002

Receive Date: 12/28/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	8.90	pH Units		12/28/2012
Trace Metals Digestion	EPA 200.2	Complete			1/2/2013
Acidity (Titrimetric)	SM 2310B	-94	mg/L as CaCO ₃		1/3/2013
Bicarbonate (HCO ₃)	SM 2320B	500	mg/L	1.0	12/28/2012
Carbonate (CO ₃)	SM 2320B	46	mg/L	1.0	12/28/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/28/2012
Total Alkalinity	SM 2320B	490	mg/L as CaCO ₃	1.0	12/28/2012
Redox Potential	SM 2580B	210	mV		12/28/2012
Chloride	EPA 300.0	1.2	mg/L	1.0	12/28/2012
Fluoride	EPA 300.0	1.9	mg/L	1.0	12/28/2012
Sulfate	EPA 300.0	280	mg/L	10	12/28/2012
Nitrate Nitrogen	EPA 300.0	0.33	mg/L	0.10	12/28/2012
Nitrite Nitrogen	EPA 300.0	0.68	mg/L	0.20	12/28/2012
Total Kjeldahl Nitrogen	EPA 351.2	1.7	mg/L	0.10	1/2/2013
Total Nitrogen	Calc.	2.4	mg/L	0.070	1/2/2013
Total Cyanide	SM 4500CNC	0.10	mg/L	0.010	1/4/2013
Total Dissolved Solids (TDS)	SM 2540C	960	mg/L	10	1/2/2013
WAD Cyanide	SM 4500CNI	0.012	mg/L	0.010	1/3/2013
Electrical Conductivity	SM 2510B	1500	µmhos/cm	1	1/4/2013
Aluminum	EPA 200.7	2.8	mg/L	0.045	1/4/2013
Barium	EPA 200.7	0.029	mg/L	0.010	1/4/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/4/2013
Boron	EPA 200.7	0.059	mg/L	0.020	1/4/2013
Calcium	EPA 200.7	6.2	mg/L	0.50	1/4/2013
Cobalt	EPA 200.7	0.0038	mg/L	0.0020	1/4/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/4/2013
Iron	EPA 200.7	1.5	mg/L	0.010	1/4/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	1/4/2013
Magnesium	EPA 200.7	0.47	mg/L	0.30	1/4/2013
Manganese	EPA 200.7	0.034	mg/L	0.0050	1/4/2013
Molybdenum	EPA 200.7	0.0086	mg/L	0.0050	1/4/2013
Phosphorus	EPA 200.7	0.57	mg/L	0.50	1/4/2013
Potassium	EPA 200.7	5.1	mg/L	0.50	1/4/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	1/4/2013
Silicon	EPA 200.7	21	mg/L	0.10	1/4/2013
Sodium	EPA 200.7	360	mg/L	0.50	1/4/2013
Strontium	EPA 200.7	0.10	mg/L	0.10	1/4/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/4/2013

Customer Sample ID: 63316, 24 Dec

Collect Date/Time: 12/28/2012 11:40

WETLAB Sample ID: 1212518-002

Receive Date: 12/28/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Titanium	EPA 200.7	0.046	mg/L	0.0050	1/4/2013
Vanadium	EPA 200.7	0.027	mg/L	0.010	1/4/2013
Zinc	EPA 200.7	0.036	mg/L	0.010	1/4/2013
Mercury	EPA 200.8	<0.00077	mg/L	0.00077	1/4/2013
Antimony	EPA 200.8	0.84	mg/L	0.025	1/4/2013
Arsenic	EPA 200.8	4.5	mg/L	0.050	1/4/2013
Beryllium	EPA 200.8	0.00054	mg/L	0.0002	1/3/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	1/3/2013
Chromium	EPA 200.8	0.0023	mg/L	0.0010	1/3/2013
Copper	EPA 200.8	0.083	mg/L	0.0050	1/4/2013
Lead	EPA 200.8	0.23	mg/L	0.025	1/4/2013
Nickel	EPA 200.8	0.0035	mg/L	0.0020	1/3/2013
Selenium	EPA 200.8	0.017	mg/L	0.0050	1/2/2013
Silver	EPA 200.8	0.0018	mg/L	0.0005	1/4/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/2/2013
Uranium	EPA 200.8	0.17	mg/L	0.0050	1/2/2013

Customer Sample ID: 63322, 24 Dec

Collect Date/Time: 12/28/2012 11:40

WETLAB Sample ID: 1212518-003

Receive Date: 12/28/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	9.9	mg/L	0.20	1/3/2013
Cyanate	SM 4500 CNL	3.5	mg/L	0.10	1/4/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.60	mg/L	0.050	1/2/2013
pH	SM 4500-H+ B	8.99	pH Units		12/28/2012
Trace Metals Digestion	EPA 200.2	Complete			1/2/2013
Acidity (Titrimetric)	SM 2310B	-115	mg/L as CaCO3		1/3/2013
Bicarbonate (HCO3)	SM 2320B	880	mg/L	1.0	12/28/2012
Carbonate (CO3)	SM 2320B	89	mg/L	1.0	12/28/2012
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	12/28/2012
Total Alkalinity	SM 2320B	870	mg/L as CaCO3	1.0	12/28/2012
Redox Potential	SM 2580B	270	mV		12/28/2012
Chloride	EPA 300.0	44	mg/L	2.5	12/28/2012
Fluoride	EPA 300.0	2.0	mg/L	2.0	12/28/2012
Sulfate	EPA 300.0	150	mg/L	25	12/28/2012
Nitrate Nitrogen	EPA 300.0	1.3	mg/L	0.50	12/28/2012
Nitrite Nitrogen	EPA 300.0	6.3	mg/L	0.62	12/28/2012
Total Kjeldahl Nitrogen	EPA 351.2	4.3	mg/L	0.50	1/2/2013

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Customer Sample ID: 63322, 24 Dec

Collect Date/Time: 12/28/2012 11:40

WETLAB Sample ID: 1212518-003

Receive Date: 12/28/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Nitrogen	Calc.	11	mg/L	0.070	1/2/2013
Total Cyanide	SM 4500CNC	1.2	mg/L	0.10	1/4/2013
Total Dissolved Solids (TDS)	SM 2540C	1400	mg/L	10	1/2/2013
WAD Cyanide	SM 4500CNI	1.2	mg/L	0.10	1/3/2013
Electrical Conductivity	SM 2510B	2100	µmhos/cm	1	1/4/2013
Aluminum	EPA 200.7	8.2	mg/L	0.045	1/4/2013
Barium	EPA 200.7	0.072	mg/L	0.010	1/4/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/4/2013
Boron	EPA 200.7	0.22	mg/L	0.100	1/4/2013
Calcium	EPA 200.7	19	mg/L	0.50	1/4/2013
Cobalt	EPA 200.7	0.024	mg/L	0.0100	1/4/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/4/2013
Iron	EPA 200.7	7.5	mg/L	0.010	1/4/2013
Lithium	EPA 200.7	0.10	mg/L	0.020	1/4/2013
Magnesium	EPA 200.7	2.7	mg/L	0.50	1/4/2013
Manganese	EPA 200.7	0.13	mg/L	0.0050	1/4/2013
Molybdenum	EPA 200.7	0.015	mg/L	0.0100	1/4/2013
Phosphorus	EPA 200.7	0.70	mg/L	0.50	1/4/2013
Potassium	EPA 200.7	7.2	mg/L	0.50	1/4/2013
Scandium	EPA 200.7	0.0015	mg/L	0.0010	1/4/2013
Silicon	EPA 200.7	33	mg/L	0.10	1/4/2013
Sodium	EPA 200.7	500	mg/L	0.50	1/4/2013
Strontium	EPA 200.7	0.32	mg/L	0.10	1/4/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/4/2013
Titanium	EPA 200.7	0.075	mg/L	0.0050	1/4/2013
Vanadium	EPA 200.7	0.045	mg/L	0.010	1/4/2013
Zinc	EPA 200.7	0.41	mg/L	0.010	1/4/2013
Mercury	EPA 200.8	<0.00077	mg/L	0.00077	1/3/2013
Antimony	EPA 200.8	0.34	mg/L	0.025	1/4/2013
Arsenic	EPA 200.8	6.2	mg/L	0.050	1/3/2013
Beryllium	EPA 200.8	0.0011	mg/L	0.0002	1/3/2013
Cadmium	EPA 200.8	0.00038	mg/L	0.0002	1/3/2013
Chromium	EPA 200.8	0.021	mg/L	0.0010	1/3/2013
Copper	EPA 200.8	1.3	mg/L	0.050	1/4/2013
Lead	EPA 200.8	0.38	mg/L	0.025	1/3/2013
Nickel	EPA 200.8	0.27	mg/L	0.10	1/3/2013
Selenium	EPA 200.8	0.018	mg/L	0.0050	1/2/2013
Silver	EPA 200.8	0.0071	mg/L	0.0005	1/4/2013

Customer Sample ID: 63322, 24 Dec

Collect Date/Time: 12/28/2012 11:40

WETLAB Sample ID: 1212518-003

Receive Date: 12/28/2012 12:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/2/2013
Uranium	EPA 200.8	0.066	mg/L	0.0050	1/2/2013

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13010012	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13010012	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13010012	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13010014	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13010014	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13010014	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13010016	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010016	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010016	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010017	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010017	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010017	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010018	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13010018	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13010018	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13010042	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC13010042	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC13010042	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC13010042	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC13010050	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Beryllium	EPA 200.8	<0.00100	mg/L
		Cadmium	EPA 200.8	<0.00100	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.0100	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.00500	mg/L
		Thallium	EPA 200.8	<0.00100	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC13010064	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010064	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010064	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010075	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010075	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010113	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010113	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010116	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13010116	Blank 2	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13010119	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13010119	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13010121	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13010121	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13010127	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Bismuth	EPA 200.7	<0.100	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.0100	mg/L
		Gallium	EPA 200.7	<0.100	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.0100	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.100	mg/L
		Titanium	EPA 200.7	<0.1000	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13010130	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13010130	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC12120903	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC13010006	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13010010	LCS 1	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13010010	LCS 2	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC13010012	LCS 1	Fluoride	EPA 300.0	1.93	2.00	96	mg/L
QC13010014	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC13010016	LCS 1	Nitrite Nitrogen	EPA 300.0	0.550	0.500	110	mg/L
QC13010017	LCS 1	Nitrate Nitrogen	EPA 300.0	1.97	2.00	98	mg/L
QC13010018	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC13010042	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.694	0.690	101	mg/L
QC13010042	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.686	0.690	99	mg/L
QC13010050	LCS 1	Mercury	EPA 200.8	0.000945	0.001	94	mg/L
		Antimony	EPA 200.8	0.0092	0.010	92	mg/L
		Arsenic	EPA 200.8	0.0484	0.050	97	mg/L
		Beryllium	EPA 200.8	0.0093	0.010	93	mg/L
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L
		Chromium	EPA 200.8	0.0093	0.010	93	mg/L
		Copper	EPA 200.8	0.0095	0.010	95	mg/L
		Lead	EPA 200.8	0.0095	0.010	96	mg/L
		Nickel	EPA 200.8	<0.0100	0.010	96	mg/L
		Selenium	EPA 200.8	0.0454	0.050	91	mg/L
		Silver	EPA 200.8	0.0090	0.010	90	mg/L
		Thallium	EPA 200.8	0.0094	0.010	94	mg/L
		Uranium	EPA 200.8	0.0094	0.010	94	mg/L
QC13010064	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.834	1.00	83	mg/L
QC13010075	LCS 1	WAD Cyanide	SM 4500CNI	0.098	0.100	98	mg/L
QC13010113	LCS 1	Total Cyanide	SM 4500CNC	0.100	0.100	100	mg/L
QC13010116	LCS 1	Electrical Conductivity	SM 2510B	1411	1412	100	µmhos/cm
QC13010119	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	161	150	108	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units					
QC13010119	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L					
QC13010127	LCS 1	Aluminum	EPA 200.7	0.962	1.00	96	mg/L					
		Barium	EPA 200.7	0.960	1.00	96	mg/L					
		Bismuth	EPA 200.7	1.00	1.00	100	mg/L					
		Boron	EPA 200.7	0.914	1.00	91	mg/L					
		Calcium	EPA 200.7	9.70	10.0	97	mg/L					
		Cobalt	EPA 200.7	0.964	1.00	96	mg/L					
		Gallium	EPA 200.7	0.968	1.00	97	mg/L					
		Iron	EPA 200.7	0.971	1.00	97	mg/L					
		Lithium	EPA 200.7	0.967	1.00	97	mg/L					
		Magnesium	EPA 200.7	9.46	10.0	95	mg/L					
		Manganese	EPA 200.7	0.958	1.00	96	mg/L					
		Molybdenum	EPA 200.7	0.977	1.00	98	mg/L					
		Phosphorus	EPA 200.7	4.93	5.00	99	mg/L					
		Potassium	EPA 200.7	9.85	10.0	98	mg/L					
		Scandium	EPA 200.7	0.967	1.00	97	mg/L					
		Silicon	EPA 200.7	9.48	10.0	95	mg/L					
		Sodium	EPA 200.7	10.2	10.0	102	mg/L					
		Strontium	EPA 200.7	1.00	1.00	100	mg/L					
		Tin	EPA 200.7	0.963	1.00	96	mg/L					
		Titanium	EPA 200.7	0.976	1.00	98	mg/L					
		Vanadium	EPA 200.7	0.954	1.00	95	mg/L					
		Zinc	EPA 200.7	0.974	1.00	97	mg/L					
QC13010130	LCS 1	Cyanate	SM 4500 CNL	1.000	1.00	100	mg/L					
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD				
QC12120903	Duplicate	Redox Potential	SM 2580B	1212518-001	179	174	mV	3 %				
QC13010006	Duplicate	pH	SM 4500-H+ B	1212511-001	8.09	8.10	pH Units	<1%				
QC13010006	Duplicate	pH	SM 4500-H+ B	1212524-001	5.19	5.22	pH Units	1 %				
QC13010010	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212511-001	128	128	mg/L	<1%				
		Carbonate (CO3)	SM 2320B	1212511-001	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1212511-001	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1212511-001	105	105	mg/L as CaCO3	<1%				
QC13010010	Duplicate	Bicarbonate (HCO3)	SM 2320B	1212524-001	5.76	5.74	mg/L	<1%				
		Carbonate (CO3)	SM 2320B	1212524-001	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1212524-001	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1212524-001	4.72	4.71	mg/L as CaCO3	<1%				
QC13010116	Duplicate	Electrical Conductivity	SM 2510B	1212371-001	245	245	µmhos/cm	<1%				
QC13010116	Duplicate	Electrical Conductivity	SM 2510B	1212238-003	4120	4120	HT µmhos/cm	<1%				
QC13010119	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212487-002	888	856	mg/L	4 %				
QC13010119	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212521-001	679	671	mg/L	1 %				
QC13010119	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1212526-004	611	603	mg/L	1 %				
QC13010130	Duplicate	Cyanate	SM 4500 CNL	1301003-003	3.16	1.61	Q mg/L	65 %				
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13010012	MS 1	Fluoride	EPA 300.0	1212496-003	0.510	2.21	2.16	2.00	mg/L	85	82	2 %
QC13010012	MS 2	Fluoride	EPA 300.0	1212518-003	2.03	45.3	45.6	2.00	mg/L	87	87	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13010014	MS 1	Chloride	EPA 300.0	1212496-003	<1.000	5.17	5.33	5.00	mg/L	103	106	3 %
QC13010014	MS 2	Chloride	EPA 300.0	1212521-001	<10.00	61.8	62.9	5.00	mg/L	107	109	2 %
QC13010016	MS 1	Nitrite Nitrogen	EPA 300.0	1212496-003	0.051	0.604	0.615	0.500	mg/L	111	113	2 %
QC13010016	MS 2	Nitrite Nitrogen	EPA 300.0	1212521-001	<0.250	5.69	5.91	0.500	mg/L	110	115	4 %
QC13010017	MS 1	Nitrate Nitrogen	EPA 300.0	1212496-003	1.00	3.03	3.03	2.00	mg/L	102	102	<1%
QC13010017	MS 2	Nitrate Nitrogen	EPA 300.0	1212521-001	<1.000	20.7	21.2	2.00	mg/L	102	104	2 %
QC13010018	MS 1	Sulfate	EPA 300.0	1212496-003	20.5	M 27.7	27.8	10.0	mg/L	NC	NC	NC
QC13010018	MS 2	Sulfate	EPA 300.0	1212521-001	430	534	539	10.0	mg/L	104	109	1 %
QC13010042	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1212498-001	29.8	SC 29.5	27.9	0.690	mg/L	NC	NC	NC
QC13010042	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1212484-001	45.1	SC 60.4	59.0	0.690	mg/L	NC	NC	NC
QC13010042	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1212397-001	<0.100	0.712	0.684	0.690	mg/L	97	93	4 %
QC13010050	MS 1	Mercury	EPA 200.8	1212518-001	<0.00077	0.001500	0.001500	0.001	mg/L	100	100	<1%
		Antimony	EPA 200.8	1212518-001	1.0577	SC 1.0524	1.0397	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1212518-001	6.3914	6.4330	6.5727	0.050	mg/L	83	363	2 %
		Beryllium	EPA 200.8	1212518-001	0.0007	0.0095	0.0095	0.010	mg/L	88	88	<1%
		Cadmium	EPA 200.8	1212518-001	0.0003	0.0092	0.0091	0.010	mg/L	89	88	1 %
		Chromium	EPA 200.8	1212518-001	0.0038	0.0136	0.0136	0.010	mg/L	98	99	<1%
		Copper	EPA 200.8	1212518-001	0.0341	0.0437	0.0445	0.010	mg/L	96	104	2 %
		Lead	EPA 200.8	1212518-001	0.2945	SC 0.3076	0.3088	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1212518-001	0.0073	0.0164	0.0164	0.010	mg/L	91	91	<1%
		Selenium	EPA 200.8	1212518-001	0.0181	0.0609	0.0604	0.050	mg/L	86	84	1 %
		Silver	EPA 200.8	1212518-001	0.0011	0.0090	0.0094	0.010	mg/L	79	83	4 %
		Thallium	EPA 200.8	1212518-001	<0.0002	0.0089	0.0091	0.010	mg/L	89	91	2 %
		Uranium	EPA 200.8	1212518-001	0.1698	0.2002	0.2203	0.010	mg/L	304	505	10 %
QC13010064	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1212487-002	0.092	0.879	0.890	1.00	mg/L	79	80	1 %
QC13010064	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1212375-006	0.202	0.998	1.04	1.00	mg/L	80	84	4 %
QC13010075	MS 1	WAD Cyanide	SM 4500CNI	1212469-002	0.092	M 0.160	0.167	0.100	mg/L	NC	NC	NC
QC13010113	MS 1	Total Cyanide	SM 4500CNC	1212518-002	0.104	0.215	0.215	0.100	mg/L	110	110	<1%
QC13010121	MS 1	Thiocyanate	SM 4500 CN	1301003-003	1.94	2.99	2.98	0.500	mg/L	105	104	<1%
QC13010127	MS 1	Aluminum	EPA 200.7	1212518-001	4.38	SC 7.40	7.60	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1212518-001	0.046	1.00	1.02	1.00	mg/L	95	97	2 %
		Bismuth	EPA 200.7	1212518-001	<0.075	0.999	1.01	1.00	mg/L	98	99	1 %
		Boron	EPA 200.7	1212518-001	0.085	1.07	1.08	1.00	mg/L	98	99	1 %
		Calcium	EPA 200.7	1212518-001	8.04	18.0	17.9	10.0	mg/L	100	99	1 %
		Cobalt	EPA 200.7	1212518-001	0.008	0.946	0.959	1.00	mg/L	94	95	1 %
		Gallium	EPA 200.7	1212518-001	<0.020	1.00	1.02	1.00	mg/L	100	102	2 %
		Iron	EPA 200.7	1212518-001	2.82	4.01	4.04	1.00	mg/L	119	122	1 %
		Lithium	EPA 200.7	1212518-001	<0.020	0.965	0.964	1.00	mg/L	95	95	<1%
		Magnesium	EPA 200.7	1212518-001	0.910	10.7	10.7	10.0	mg/L	98	98	<1%
		Manganese	EPA 200.7	1212518-001	0.080	1.02	1.03	1.00	mg/L	94	95	1 %
		Molybdenum	EPA 200.7	1212518-001	0.024	0.975	0.979	1.00	mg/L	95	96	<1%
		Phosphorus	EPA 200.7	1212518-001	1.25	6.17	6.25	5.00	mg/L	98	100	1 %
		Potassium	EPA 200.7	1212518-001	4.62	15.3	15.3	10.0	mg/L	107	107	<1%
		Scandium	EPA 200.7	1212518-001	<0.001	0.959	0.958	1.00	mg/L	96	96	<1%
		Silicon	EPA 200.7	1212518-001	25.3	M 39.5	39.4	10.0	mg/L	NC	NC	NC
		Sodium	EPA 200.7	1212518-001	271	284	287	10.0	mg/L	130	160	1 %
		Strontium	EPA 200.7	1212518-001	0.139	1.15	1.16	1.00	mg/L	101	102	1 %
		Tin	EPA 200.7	1212518-001	<0.010	0.941	0.945	1.00	mg/L	95	95	<1%
		Titanium	EPA 200.7	1212518-001	0.060	1.04	1.04	1.00	mg/L	98	98	<1%
		Vanadium	EPA 200.7	1212518-001	0.034	0.988	1.00	1.00	mg/L	95	97	1 %
		Zinc	EPA 200.7	1212518-001	0.043	1.09	1.09	1.00	mg/L	105	105	<1%

1/10/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1301003

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 1/2/2013. Additional comments are located on page 2 of this report.

This is an amended report that includes the corrected result for Copper on sample1301003-002. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1301003

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Iron and Silicon on sample 1301003-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1301003-001 Chloride, Mercury

1301003-002 Nitrate Nitrogen, Chloride

1301003-003 Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 1/10/2013

OrderID: 1301003

Customer Sample ID: 63301, 31 Dec

Collect Date/Time: 1/2/2013 07:45

WETLAB Sample ID: 1301003-001

Receive Date: 1/2/2013 07:45

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	1.9	mg/L	0.10	1/4/2013
Thiocyanate	SM 4500 CNM	1.8	mg/L	0.20	1/3/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	1.2	mg/L	0.050	1/3/2013
pH	SM 4500-H+ B	8.70	pH Units		1/2/2013
Trace Metals Digestion	EPA 200.2	Complete			1/3/2013
Acidity (Titrimetric)	SM 2310B	-75	mg/L as CaCO3		1/3/2013
Bicarbonate (HCO3)	SM 2320B	550	mg/L	1.0	1/2/2013
Carbonate (CO3)	SM 2320B	28	mg/L	1.0	1/2/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/2/2013
Total Alkalinity	SM 2320B	490	mg/L as CaCO3	1.0	1/2/2013
Redox Potential	SM 2580B	220	mV		1/2/2013
Chloride	EPA 300.0	<1.0	mg/L	1.0	1/2/2013
Fluoride	EPA 300.0	2.1	mg/L	1.0	1/2/2013
Sulfate	EPA 300.0	110	mg/L	10	1/2/2013
Nitrate Nitrogen	EPA 300.0	0.45	mg/L	0.10	1/2/2013
Nitrite Nitrogen	EPA 300.0	0.18	mg/L	0.10	1/2/2013
Total Kjeldahl Nitrogen	EPA 351.2	1.2	mg/L	0.10	1/8/2013
Total Nitrogen	Calc.	1.2	mg/L	0.070	1/8/2013
Total Cyanide	SM 4500CNC	0.69	mg/L	0.050	1/3/2013
Total Dissolved Solids (TDS)	SM 2540C	780	mg/L	10	1/3/2013
WAD Cyanide	SM 4500CNI	0.017	mg/L	0.010	1/3/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	1/8/2013
Aluminum	EPA 200.7	4.1	SC mg/L	0.045	1/7/2013
Barium	EPA 200.7	0.045	mg/L	0.010	1/7/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/7/2013
Boron	EPA 200.7	0.078	mg/L	0.020	1/7/2013
Calcium	EPA 200.7	8.1	mg/L	0.50	1/7/2013

Customer Sample ID: 63301, 31 Dec

Collect Date/Time: 1/2/2013 07:45

WETLAB Sample ID: 1301003-001

Receive Date: 1/2/2013 07:45

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.0051	mg/L	0.0020	1/7/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/7/2013
Iron	EPA 200.7	2.5 M	mg/L	0.010	1/7/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	1/7/2013
Magnesium	EPA 200.7	0.90	mg/L	0.50	1/7/2013
Manganese	EPA 200.7	0.077	mg/L	0.0050	1/7/2013
Molybdenum	EPA 200.7	0.021	mg/L	0.0100	1/7/2013
Phosphorus	EPA 200.7	1.0	mg/L	0.50	1/7/2013
Potassium	EPA 200.7	4.3	mg/L	0.50	1/7/2013
Scandium	EPA 200.7	0.0010	mg/L	0.0010	1/7/2013
Silicon	EPA 200.7	24 M	mg/L	0.10	1/7/2013
Sodium	EPA 200.7	250 SC	mg/L	0.50	1/7/2013
Strontium	EPA 200.7	0.13	mg/L	0.1000	1/7/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/7/2013
Titanium	EPA 200.7	0.061	mg/L	0.0050	1/7/2013
Vanadium	EPA 200.7	0.026	mg/L	0.010	1/7/2013
Zinc	EPA 200.7	0.083	mg/L	0.010	1/7/2013
Mercury	EPA 200.8	<0.00035	mg/L	0.00035	1/7/2013
Antimony	EPA 200.8	0.98 SC	mg/L	0.25	1/7/2013
Arsenic	EPA 200.8	6.1 SC	mg/L	0.50	1/7/2013
Beryllium	EPA 200.8	0.00037	mg/L	0.0002	1/9/2013
Cadmium	EPA 200.8	0.00047	mg/L	0.0002	1/9/2013
Chromium	EPA 200.8	0.0031	mg/L	0.0010	1/9/2013
Copper	EPA 200.8	0.025	mg/L	0.0050	1/4/2013
Lead	EPA 200.8	0.33 SC	mg/L	0.012	1/7/2013
Nickel	EPA 200.8	0.0071	mg/L	0.0020	1/9/2013
Selenium	EPA 200.8	0.016	mg/L	0.0050	1/4/2013
Silver	EPA 200.8	0.0012	mg/L	0.0005	1/9/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/4/2013
Uranium	EPA 200.8	0.16 SC	mg/L	0.0050	1/4/2013
Anions	Calculation	12.3	meq/L	0.10	
Cations	Calculation	11.4	meq/L	0.10	
Error	Calculation	4.2	%	1.0	

Customer Sample ID: 63316, 31 Dec

Collect Date/Time: 1/2/2013 07:45

WETLAB Sample ID: 1301003-002

Receive Date: 1/2/2013 07:45

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	3.2	mg/L	0.20	1/3/2013
Cyanate	SM 4500 CNL	1.8	mg/L	0.10	1/4/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.73	mg/L	0.050	1/3/2013
pH	SM 4500-H+ B	8.84	pH Units		1/2/2013
Trace Metals Digestion	EPA 200.2	Complete			1/3/2013
Acidity (Titrimetric)	SM 2310B	-85	mg/L as CaCO3		1/3/2013
Bicarbonate (HCO3)	SM 2320B	480	mg/L	1.0	1/2/2013
Carbonate (CO3)	SM 2320B	38	mg/L	1.0	1/2/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/2/2013
Total Alkalinity	SM 2320B	460	mg/L as CaCO3	1.0	1/2/2013
Redox Potential	SM 2580B	290	mV		1/2/2013
Chloride	EPA 300.0	<1.0	mg/L	1.0	1/2/2013
Fluoride	EPA 300.0	1.6	mg/L	1.0	1/2/2013
Sulfate	EPA 300.0	170	mg/L	10	1/2/2013
Nitrate Nitrogen	EPA 300.0	<0.10	mg/L	0.10	1/2/2013
Nitrite Nitrogen	EPA 300.0	0.22	mg/L	0.10	1/2/2013
Total Kjeldahl Nitrogen	EPA 351.2	1.2	mg/L	0.10	1/8/2013
Total Nitrogen	Calc.	1.2	mg/L	0.070	1/8/2013
Total Cyanide	SM 4500CNC	0.11	mg/L	0.010	1/3/2013
Total Dissolved Solids (TDS)	SM 2540C	800	mg/L	10	1/3/2013
WAD Cyanide	SM 4500CNI	<0.010	mg/L	0.010	1/3/2013
Electrical Conductivity	SM 2510B	1200	µmhos/cm	1	1/8/2013
Aluminum	EPA 200.7	4.4	mg/L	0.045	1/7/2013
Barium	EPA 200.7	0.040	mg/L	0.010	1/7/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/7/2013
Boron	EPA 200.7	0.044	mg/L	0.020	1/7/2013
Calcium	EPA 200.7	6.8	mg/L	0.50	1/7/2013
Cobalt	EPA 200.7	0.0038	mg/L	0.0020	1/7/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/7/2013
Iron	EPA 200.7	3.8	mg/L	0.010	1/7/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	1/7/2013
Magnesium	EPA 200.7	1.1	mg/L	0.50	1/7/2013
Manganese	EPA 200.7	0.070	mg/L	0.0050	1/7/2013
Molybdenum	EPA 200.7	0.0076	mg/L	0.0050	1/7/2013
Phosphorus	EPA 200.7	0.64	mg/L	0.50	1/7/2013
Potassium	EPA 200.7	4.6	mg/L	0.50	1/7/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	1/7/2013
Silicon	EPA 200.7	21	mg/L	0.10	1/7/2013

Customer Sample ID: 63316, 31 Dec

Collect Date/Time: 1/2/2013 07:45

WETLAB Sample ID: 1301003-002

Receive Date: 1/2/2013 07:45

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	270	mg/L	0.50	1/7/2013
Strontium	EPA 200.7	0.092	mg/L	0.0020	1/7/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/7/2013
Titanium	EPA 200.7	0.054	mg/L	0.0050	1/7/2013
Vanadium	EPA 200.7	0.023	mg/L	0.010	1/7/2013
Zinc	EPA 200.7	0.11	mg/L	0.010	1/7/2013
Mercury	EPA 200.8	0.00026	mg/L	0.00010	1/4/2013
Antimony	EPA 200.8	0.58	mg/L	0.025	1/7/2013
Arsenic	EPA 200.8	4.5	mg/L	0.050	1/7/2013
Beryllium	EPA 200.8	0.00045	mg/L	0.0002	1/9/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	1/9/2013
Chromium	EPA 200.8	0.0030	mg/L	0.0010	1/9/2013
Copper	EPA 200.8	0.090	mg/L	0.0050	1/4/2013
Lead	EPA 200.8	0.28	mg/L	0.025	1/7/2013
Nickel	EPA 200.8	0.0080	mg/L	0.0020	1/9/2013
Selenium	EPA 200.8	0.015	mg/L	0.0050	1/4/2013
Silver	EPA 200.8	0.0018	mg/L	0.0005	1/9/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/4/2013
Uranium	EPA 200.8	0.12	mg/L	0.0050	1/4/2013
Anions	Calculation	12.8	meq/L	0.10	
Cations	Calculation	12.2	meq/L	0.10	
Error	Calculation	2.4	%	1.0	

Customer Sample ID: 63322, 31 Dec

Collect Date/Time: 1/2/2013 07:45

WETLAB Sample ID: 1301003-003

Receive Date: 1/2/2013 07:45

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.2 Q	mg/L	0.10	1/4/2013
Thiocyanate	SM 4500 CNM	1.9	mg/L	0.20	1/3/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.45	mg/L	0.050	1/3/2013
pH	SM 4500-H+ B	8.82	pH Units		1/2/2013
Trace Metals Digestion	EPA 200.2	Complete			1/3/2013
Acidity (Titrimetric)	SM 2310B	-129	mg/L as CaCO3		1/3/2013
Bicarbonate (HCO3)	SM 2320B	690	mg/L	1.0	1/2/2013
Carbonate (CO3)	SM 2320B	49	mg/L	1.0	1/2/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/2/2013
Total Alkalinity	SM 2320B	650	mg/L as CaCO3	1.0	1/2/2013
Redox Potential	SM 2580B	300	mV		1/2/2013

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Customer Sample ID: 63322, 31 Dec

Collect Date/Time: 1/2/2013 07:45

WETLAB Sample ID: 1301003-003

Receive Date: 1/2/2013 07:45

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	1.3	mg/L	1.0	1/2/2013
Fluoride	EPA 300.0	1.4	mg/L	1.0	1/2/2013
Sulfate	EPA 300.0	28	mg/L	10	1/2/2013
Nitrate Nitrogen	EPA 300.0	0.39	mg/L	0.10	1/2/2013
Nitrite Nitrogen	EPA 300.0	0.36	mg/L	0.10	1/2/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.90	mg/L	0.10	1/8/2013
Total Nitrogen	Calc.	1.3	mg/L	0.070	1/8/2013
Total Cyanide	SM 4500CNC	0.12	mg/L	0.010	1/3/2013
Total Dissolved Solids (TDS)	SM 2540C	780	mg/L	10	1/3/2013
WAD Cyanide	SM 4500CNI	0.082	mg/L	0.010	1/3/2013
Electrical Conductivity	SM 2510B	1200	µmhos/cm	1	1/8/2013
Aluminum	EPA 200.7	3.1	mg/L	0.045	1/7/2013
Barium	EPA 200.7	0.029	mg/L	0.010	1/7/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/7/2013
Boron	EPA 200.7	0.13	mg/L	0.100	1/7/2013
Calcium	EPA 200.7	6.6	mg/L	0.50	1/7/2013
Cobalt	EPA 200.7	0.0058	mg/L	0.0020	1/7/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/7/2013
Iron	EPA 200.7	2.0	mg/L	0.010	1/7/2013
Lithium	EPA 200.7	0.058	mg/L	0.020	1/7/2013
Magnesium	EPA 200.7	0.82	mg/L	0.50	1/7/2013
Manganese	EPA 200.7	0.046	mg/L	0.0050	1/7/2013
Molybdenum	EPA 200.7	0.0052	mg/L	0.0050	1/7/2013
Phosphorus	EPA 200.7	0.58	mg/L	0.50	1/7/2013
Potassium	EPA 200.7	4.1	mg/L	0.50	1/7/2013
Scandium	EPA 200.7	0.0010	mg/L	0.0010	1/7/2013
Silicon	EPA 200.7	20	mg/L	0.10	1/7/2013
Sodium	EPA 200.7	280	mg/L	0.50	1/7/2013
Strontium	EPA 200.7	0.10	mg/L	0.1000	1/7/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/7/2013
Titanium	EPA 200.7	0.065	mg/L	0.0050	1/7/2013
Vanadium	EPA 200.7	0.021	mg/L	0.010	1/7/2013
Zinc	EPA 200.7	0.084	mg/L	0.010	1/7/2013
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	1/7/2013
Antimony	EPA 200.8	0.35	mg/L	0.025	1/7/2013
Arsenic	EPA 200.8	4.3	mg/L	0.050	1/7/2013
Beryllium	EPA 200.8	0.00024	mg/L	0.0002	1/9/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	1/9/2013

Customer Sample ID: 63322, 31 Dec

Collect Date/Time: 1/2/2013 07:45

WETLAB Sample ID: 1301003-003

Receive Date: 1/2/2013 07:45

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.8	0.0034	mg/L	0.0010	1/9/2013
Copper	EPA 200.8	0.29	mg/L	0.0050	1/4/2013
Lead	EPA 200.8	0.26	mg/L	0.10	1/7/2013
Nickel	EPA 200.8	0.0096	mg/L	0.0020	1/9/2013
Selenium	EPA 200.8	0.014	mg/L	0.0050	1/4/2013
Silver	EPA 200.8	0.0026	mg/L	0.0005	1/9/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/4/2013
Uranium	EPA 200.8	0.063	mg/L	0.0050	1/4/2013
Anions	Calculation	13.6	meq/L	0.10	
Cations	Calculation	11.8	meq/L	0.10	
Error	Calculation	7.0	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13010054	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13010054	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13010054	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13010057	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13010057	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13010057	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13010059	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010059	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010059	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010060	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010060	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010060	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010062	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13010062	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13010062	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13010086	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010086	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010087	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010087	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010087	Blank 3	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010100	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010100	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010121	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13010121	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13010130	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13010130	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13010140	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Beryllium	EPA 200.8	<0.00100	mg/L
		Cadmium	EPA 200.8	<0.00100	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.0100	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.00500	mg/L
		Thallium	EPA 200.8	<0.00100	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC13010184	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13010191	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC13010191	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC13010191	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC13010191	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC13010198	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.0100	mg/L
		Gallium	EPA 200.7	<0.100	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.100	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.0100	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.1000	mg/L
		Tin	EPA 200.7	<0.100	mg/L
		Titanium	EPA 200.7	<0.1000	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13010214	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13010214	Blank 2	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13010214	Blank 3	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13010214	Blank 4	Electrical Conductivity	SM 2510B	<1	µmhos/cm

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13010036	LCS 1	Redox Potential	SM 2580B	219	221	99	mV
QC13010054	LCS 1	Fluoride	EPA 300.0	1.82	2.00	91	mg/L
QC13010057	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC13010059	LCS 1	Nitrite Nitrogen	EPA 300.0	0.543	0.500	109	mg/L
QC13010060	LCS 1	Nitrate Nitrogen	EPA 300.0	1.97	2.00	99	mg/L
QC13010062	LCS 1	Sulfate	EPA 300.0	24.4	25.0	97	mg/L
QC13010071	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13010071	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13010071	LCS 3	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13010073	LCS 1	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC13010073	LCS 2	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13010073	LCS 3	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13010073	LCS 4	Total Alkalinity	SM 2320B	99.8	100	100	mg/L
QC13010086	LCS 1	Total Cyanide	SM 4500CNC	0.092	0.100	92	mg/L
QC13010087	LCS 1	WAD Cyanide	SM 4500CNI	0.102	0.100	102	mg/L
QC13010100	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.856	1.00	86	mg/L
QC13010130	LCS 1	Cyanate	SM 4500 CNL	1.000	1.00	100	mg/L
QC13010140	LCS 1	Mercury	EPA 200.8	0.001006	0.001	101	mg/L
		Antimony	EPA 200.8	0.0091	0.010	91	mg/L
		Arsenic	EPA 200.8	0.0487	0.050	97	mg/L
		Beryllium	EPA 200.8	0.0095	0.010	95	mg/L
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L
		Chromium	EPA 200.8	0.0092	0.010	92	mg/L
		Copper	EPA 200.8	0.0086	0.010	86	mg/L
		Lead	EPA 200.8	0.0096	0.010	96	mg/L
		Nickel	EPA 200.8	<0.0100	0.010	97	mg/L
		Selenium	EPA 200.8	0.0455	0.050	91	mg/L
		Silver	EPA 200.8	0.0090	0.010	90	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC13010184	LCS 1	Thallium	EPA 200.8	0.0096	0.010	96	mg/L	
		Uranium	EPA 200.8	0.0096	0.010	96	mg/L	
QC13010191	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	149	150	100	mg/L	
QC13010191	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.755	0.690	109	mg/L	
QC13010191	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.702	0.690	102	mg/L	
QC13010198	LCS 1	Aluminum	EPA 200.7	0.955	1.00	96	mg/L	
		Barium	EPA 200.7	0.964	1.00	96	mg/L	
		Bismuth	EPA 200.7	1.01	1.00	101	mg/L	
		Boron	EPA 200.7	0.939	1.00	94	mg/L	
		Calcium	EPA 200.7	9.74	10.0	97	mg/L	
		Cobalt	EPA 200.7	0.961	1.00	96	mg/L	
		Gallium	EPA 200.7	0.978	1.00	98	mg/L	
		Iron	EPA 200.7	0.983	1.00	98	mg/L	
		Lithium	EPA 200.7	0.991	1.00	99	mg/L	
		Magnesium	EPA 200.7	9.55	10.0	96	mg/L	
		Manganese	EPA 200.7	0.944	1.00	94	mg/L	
		Molybdenum	EPA 200.7	0.980	1.00	98	mg/L	
		Phosphorus	EPA 200.7	4.93	5.00	99	mg/L	
		Potassium	EPA 200.7	10.0	10.0	100	mg/L	
		Scandium	EPA 200.7	0.982	1.00	98	mg/L	
		Silicon	EPA 200.7	9.41	10.0	94	mg/L	
		Sodium	EPA 200.7	10.3	10.0	103	mg/L	
		Strontium	EPA 200.7	1.02	1.00	102	mg/L	
		Tin	EPA 200.7	0.940	1.00	94	mg/L	
		Titanium	EPA 200.7	0.972	1.00	97	mg/L	
		Vanadium	EPA 200.7	0.966	1.00	97	mg/L	
		Zinc	EPA 200.7	0.979	1.00	98	mg/L	
QC13010214	LCS 1	Electrical Conductivity	SM 2510B	1399	1412	99	µmhos/cm	
QC13010214	LCS 2	Electrical Conductivity	SM 2510B	1382	1412	98	µmhos/cm	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13010036	Duplicate	Redox Potential	SM 2580B	1301006-001	474	474	HT mV	<1%
QC13010036	Duplicate	Redox Potential	SM 2580B	1301006-011	390	387	HT mV	1 %
QC13010071	Duplicate	pH	SM 4500-H+ B	1301007-001	7.81	7.81	pH Units	<1%
QC13010071	Duplicate	pH	SM 4500-H+ B	1301007-002	7.59	7.59	pH Units	<1%
QC13010071	Duplicate	pH	SM 4500-H+ B	1301009-002	7.49	8.01	pH Units	<1%
QC13010071	Duplicate	pH	SM 4500-H+ B	1301016-001	7.72	7.75	pH Units	<1%
QC13010071	Duplicate	pH	SM 4500-H+ B	1301014-001	2.80	2.80	pH Units	<1%
QC13010071	Duplicate	pH	SM 4500-H+ B	1301014-004	6.20	6.25	pH Units	1 %
QC13010073	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301007-001	61.5	61.4	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1301007-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301007-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301007-001	50.5	50.4	mg/L as CaCO3	<1%
QC13010073	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301007-002	48.7	47.2	mg/L	3 %
		Carbonate (CO3)	SM 2320B	1301007-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301007-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301007-002	39.9	38.7	mg/L as CaCO3	3 %
QC13010073	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301009-002	34.3	186	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13010073	Duplicate	Carbonate (CO3)	SM 2320B	1301009-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301009-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301009-002	28.1	152	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1301016-001	62.7	61.4	mg/L	2 %
		Carbonate (CO3)	SM 2320B	1301016-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301016-001	<1.000	<1.000	mg/L	<1%
QC13010073	Duplicate	Total Alkalinity	SM 2320B	1301016-001	51.4	50.4	mg/L as CaCO3	2 %
		Bicarbonate (HCO3)	SM 2320B	1301014-004	1.54	2.50	Q mg/L	48 %
		Carbonate (CO3)	SM 2320B	1301014-004	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301014-004	<1.000	<1.000	mg/L	<1%
QC13010130	Duplicate	Total Alkalinity	SM 2320B	1301014-004	1.26	2.05	Q mg/L as CaCO3	48 %
		Cyanate	SM 4500 CNL	1301003-003	3.16	1.61	Q mg/L	65 %
		Total Dissolved Solids (TDS)	SM 2540C	1301001-001	2636	2678	mg/L	2 %
		Electrical Conductivity	SM 2510B	1212438-001	503	505	µmhos/cm	<1%
QC13010214	Duplicate	Electrical Conductivity	SM 2510B	1212446-009	645	649	µmhos/cm	1 %
QC13010214	Duplicate	Electrical Conductivity	SM 2510B	1301003-001	1136	1130	µmhos/cm	1 %
QC13010214	Duplicate	Electrical Conductivity	SM 2510B	1212448-008	7.15	7.14	µmhos/cm	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13010054	MS 1	Fluoride	EPA 300.0	1301007-003	<0.100	1.79	1.82	2.00	mg/L	89	90	2 %
QC13010054	MS 2	Fluoride	EPA 300.0	1301007-006	<0.100	1.81	1.87	2.00	mg/L	88	91	3 %
QC13010057	MS 1	Chloride	EPA 300.0	1301007-003	<1.000	5.40	5.46	5.00	mg/L	108	109	1 %
QC13010057	MS 2	Chloride	EPA 300.0	1301007-006	<1.000	5.31	5.41	5.00	mg/L	106	108	2 %
QC13010059	MS 1	Nitrite Nitrogen	EPA 300.0	1301007-003	<0.025	0.583	0.585	0.500	mg/L	113	114	<1%
QC13010059	MS 2	Nitrite Nitrogen	EPA 300.0	1301009-003	<0.025	0.586	0.593	0.500	mg/L	113	115	1 %
QC13010060	MS 1	Nitrate Nitrogen	EPA 300.0	1301007-003	<1.000	2.07	2.11	2.00	mg/L	100	102	2 %
QC13010060	MS 2	Nitrate Nitrogen	EPA 300.0	1301009-003	<1.000	2.12	2.16	2.00	mg/L	103	105	2 %
QC13010062	MS 1	Sulfate	EPA 300.0	1301007-003	10.1	20.5	20.6	10.0	mg/L	104	105	<1%
QC13010062	MS 2	Sulfate	EPA 300.0	1301007-006	7.43	17.7	17.9	10.0	mg/L	103	104	1 %
QC13010086	MS 1	Total Cyanide	SM 4500CNC	1301003-002	0.114	0.222	0.213	0.100	mg/L	107	99	4 %
QC13010087	MS 1	WAD Cyanide	SM 4500CNI	1301003-001	0.017	0.112	0.124	0.100	mg/L	96	108	10 %
QC13010087	MS 2	WAD Cyanide	SM 4500CNI	1212511-001	<0.010	0.109	0.103	0.100	mg/L	109	103	6 %
QC13010100	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1212523-002	0.096	0.817	0.802	1.00	mg/L	72	71	2 %
QC13010121	MS 1	Thiocyanate	SM 4500 CN	1301003-003	1.94	2.99	2.98	0.500	mg/L	105	104	<1%
QC13010140	MS 1	Mercury	EPA 200.8	1301003-001	<0.00035	0.001200	0.001100	0.001	mg/L	90	80	9 %
		Antimony	EPA 200.8	1301003-001	0.9845	SC 1.0363	1.0083	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1301003-001	6.0808	SC 6.2874	6.2833	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1301003-001	0.0004	0.0101	0.0099	0.010	mg/L	97	95	2 %
		Cadmium	EPA 200.8	1301003-001	0.0005	0.0095	0.0094	0.010	mg/L	90	90	1 %
		Chromium	EPA 200.8	1301003-001	0.0031	0.0132	0.0130	0.010	mg/L	100	99	2 %
		Copper	EPA 200.8	1301003-001	0.0246	0.0373	0.0388	0.010	mg/L	127	142	4 %
		Lead	EPA 200.8	1301003-001	0.3256	SC 0.3441	0.3463	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1301003-001	0.0071	0.0169	0.0168	0.010	mg/L	99	97	1 %
		Selenium	EPA 200.8	1301003-001	0.0158	0.0582	0.0575	0.050	mg/L	85	83	1 %
		Silver	EPA 200.8	1301003-001	0.0012	0.0090	0.0091	0.010	mg/L	79	79	1 %
		Thallium	EPA 200.8	1301003-001	<0.0002	0.0091	0.0091	0.010	mg/L	90	91	<1%
		Uranium	EPA 200.8	1301003-001	0.1581	SC 0.2118	0.2350	0.010	mg/L	NC	NC	NC

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13010191	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1212473-001	4.61	SC 4.61	4.79	0.690	mg/L	NC	NC	NC
QC13010191	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1212514-001	<0.100	0.687	0.700	0.690	mg/L	100	101	2 %
QC13010191	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1212524-001	0.170	0.875	0.881	0.690	mg/L	102	103	1 %
QC13010198	MS 1	Aluminum	EPA 200.7	1301003-001	4.13	SC 7.36	7.43	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1301003-001	0.045	1.00	1.01	1.00	mg/L	96	97	1 %
		Bismuth	EPA 200.7	1301003-001	<0.075	1.01	1.02	1.00	mg/L	98	99	1 %
		Boron	EPA 200.7	1301003-001	0.078	1.05	1.06	1.00	mg/L	97	98	1 %
		Calcium	EPA 200.7	1301003-001	8.08	18.1	18.1	10.0	mg/L	100	100	<1%
		Cobalt	EPA 200.7	1301003-001	0.005	0.939	0.940	1.00	mg/L	93	93	<1%
		Gallium	EPA 200.7	1301003-001	<0.020	1.02	1.03	1.00	mg/L	102	103	1 %
		Iron	EPA 200.7	1301003-001	2.53	M 3.96	3.93	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1301003-001	<0.020	0.976	0.980	1.00	mg/L	96	97	<1%
		Magnesium	EPA 200.7	1301003-001	0.895	10.8	10.7	10.0	mg/L	99	98	1 %
		Manganese	EPA 200.7	1301003-001	0.077	0.999	1.01	1.00	mg/L	92	93	1 %
		Molybdenum	EPA 200.7	1301003-001	0.021	0.958	0.954	1.00	mg/L	94	93	<1%
		Phosphorus	EPA 200.7	1301003-001	1.01	5.98	5.93	5.00	mg/L	99	98	1 %
		Potassium	EPA 200.7	1301003-001	4.30	15.1	15.0	10.0	mg/L	108	107	1 %
		Scandium	EPA 200.7	1301003-001	0.001	0.978	0.976	1.00	mg/L	98	98	<1%
		Silicon	EPA 200.7	1301003-001	23.5	M 39.0	38.8	10.0	mg/L	NC	NC	NC
		Sodium	EPA 200.7	1301003-001	251	SC 276	277	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1301003-001	0.131	1.16	1.16	1.00	mg/L	103	103	<1%
		Tin	EPA 200.7	1301003-001	<0.010	0.920	0.912	1.00	mg/L	93	92	1 %
		Titanium	EPA 200.7	1301003-001	0.061	1.05	1.05	1.00	mg/L	99	99	<1%
		Vanadium	EPA 200.7	1301003-001	0.026	0.990	0.992	1.00	mg/L	96	97	<1%
		Zinc	EPA 200.7	1301003-001	0.083	1.08	1.06	1.00	mg/L	100	98	2 %

1/15/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1301079

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 1/7/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1301079

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of WAD Cyanide on sample 1301079-002 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1301079-001 Mercury

1301079-002 Nitrate Nitrogen, Mercury

1301079-003 Nitrate Nitrogen, Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 1/15/2013

OrderID: 1301079

Customer Sample ID: 63301

Collect Date/Time: 1/7/2013 10:41

WETLAB Sample ID: 1301079-001

Receive Date: 1/7/2013 11:10

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	2.5	mg/L	0.10	1/10/2013
Thiocyanate	SM 4500 CNM	1.8	mg/L	0.20	1/9/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.068	mg/L	0.050	1/10/2013
pH	SM 4500-H+ B	8.71	pH Units		1/7/2013
Trace Metals Digestion	EPA 200.2	Complete			1/8/2013
Acidity (Titrimetric)	SM 2310B	-91	mg/L as CaCO3		1/10/2013
Bicarbonate (HCO3)	SM 2320B	490	mg/L	1.0	1/7/2013
Carbonate (CO3)	SM 2320B	28	mg/L	1.0	1/7/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/7/2013
Total Alkalinity	SM 2320B	450	mg/L as CaCO3	1.0	1/7/2013
Redox Potential	SM 2580B	240	mV		1/7/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	1/8/2013
Fluoride	EPA 300.0	1.6	mg/L	1.0	1/7/2013
Sulfate	EPA 300.0	79	mg/L	10	1/7/2013
Nitrate Nitrogen	EPA 300.0	0.41	mg/L	0.10	1/8/2013
Nitrite Nitrogen	EPA 300.0	0.058	mg/L	0.025	1/8/2013
Total Kjeldahl Nitrogen	EPA 351.2	1.2	mg/L	0.050	1/10/2013
Total Nitrogen	Calc.	1.7	mg/L	0.070	1/10/2013
Total Cyanide	SM 4500CNC	0.46	mg/L	0.050	1/8/2013
Total Dissolved Solids (TDS)	SM 2540C	660	mg/L	10	1/8/2013
WAD Cyanide	SM 4500CNI	0.021	mg/L	0.010	1/8/2013
Electrical Conductivity	SM 2510B	1000	µmhos/cm	1	1/10/2013
Aluminum	EPA 200.7	3.1	mg/L	0.045	1/9/2013
Barium	EPA 200.7	0.033	mg/L	0.010	1/9/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/9/2013
Boron	EPA 200.7	0.10	mg/L	0.100	1/9/2013
Calcium	EPA 200.7	5.8	mg/L	0.50	1/9/2013

Customer Sample ID: 63301

Collect Date/Time: 1/7/2013 10:41

WETLAB Sample ID: 1301079-001

Receive Date: 1/7/2013 11:10

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.0035	mg/L	0.0020	1/9/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/9/2013
Iron	EPA 200.7	2.2	mg/L	0.010	1/9/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	1/9/2013
Magnesium	EPA 200.7	0.68	mg/L	0.50	1/9/2013
Manganese	EPA 200.7	0.058	mg/L	0.0050	1/9/2013
Molybdenum	EPA 200.7	0.014	mg/L	0.0100	1/9/2013
Phosphorus	EPA 200.7	0.93	mg/L	0.50	1/9/2013
Potassium	EPA 200.7	3.9	mg/L	0.50	1/9/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	1/9/2013
Silicon	EPA 200.7	20	mg/L	0.10	1/9/2013
Sodium	EPA 200.7	230	mg/L	0.50	1/9/2013
Strontium	EPA 200.7	0.098	mg/L	0.0020	1/9/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/9/2013
Titanium	EPA 200.7	0.048	mg/L	0.0050	1/9/2013
Vanadium	EPA 200.7	0.028	mg/L	0.010	1/9/2013
Zinc	EPA 200.7	0.035	mg/L	0.010	1/9/2013
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	1/11/2013
Antimony	EPA 200.8	0.71	mg/L	0.025	1/11/2013
Arsenic	EPA 200.8	4.8	mg/L	0.050	1/11/2013
Beryllium	EPA 200.8	0.00069	mg/L	0.0002	1/15/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	1/15/2013
Chromium	EPA 200.8	0.0026	mg/L	0.0010	1/15/2013
Copper	EPA 200.8	0.021	mg/L	0.0050	1/15/2013
Lead	EPA 200.8	0.23	mg/L	0.025	1/11/2013
Nickel	EPA 200.8	0.0056	mg/L	0.0020	1/15/2013
Selenium	EPA 200.8	0.015	mg/L	0.0050	1/10/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	1/15/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/10/2013
Uranium	EPA 200.8	0.12	mg/L	0.0050	1/10/2013
Anions	Calculation	10.7	meq/L	0.10	
Cations	Calculation	9.99	meq/L	0.10	
Error	Calculation	3.5	%	1.0	

Customer Sample ID: 63316

Collect Date/Time: 1/7/2013 10:41

WETLAB Sample ID: 1301079-002

Receive Date: 1/7/2013 11:10

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	1.0	mg/L	0.20	1/9/2013
Cyanate	SM 4500 CNL	2.2	mg/L	0.10	1/10/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	1/10/2013
pH	SM 4500-H+ B	8.82	pH Units		1/7/2013
Trace Metals Digestion	EPA 200.2	Complete			1/8/2013
Acidity (Titrimetric)	SM 2310B	-100	mg/L as CaCO3		1/10/2013
Bicarbonate (HCO3)	SM 2320B	490	mg/L	1.0	1/7/2013
Carbonate (CO3)	SM 2320B	38	mg/L	1.0	1/7/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/7/2013
Total Alkalinity	SM 2320B	460	mg/L as CaCO3	1.0	1/7/2013
Redox Potential	SM 2580B	250	mV		1/7/2013
Chloride	EPA 300.0	0.19	mg/L	0.10	1/8/2013
Fluoride	EPA 300.0	1.4	mg/L	1.0	1/7/2013
Sulfate	EPA 300.0	180	mg/L	10	1/7/2013
Nitrate Nitrogen	EPA 300.0	<0.10	mg/L	0.10	1/8/2013
Nitrite Nitrogen	EPA 300.0	0.042	mg/L	0.025	1/8/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.48	mg/L	0.050	1/10/2013
Total Nitrogen	Calc.	0.52	mg/L	0.070	1/10/2013
Total Cyanide	SM 4500CNC	0.14	mg/L	0.010	1/8/2013
Total Dissolved Solids (TDS)	SM 2540C	820	mg/L	10	1/8/2013
WAD Cyanide	SM 4500CNI	<0.010 M	mg/L	0.010	1/8/2013
Electrical Conductivity	SM 2510B	1300	µmhos/cm	1	1/10/2013
Aluminum	EPA 200.7	2.2	mg/L	0.045	1/9/2013
Barium	EPA 200.7	0.025	mg/L	0.010	1/9/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/9/2013
Boron	EPA 200.7	0.073	mg/L	0.020	1/9/2013
Calcium	EPA 200.7	5.4	mg/L	0.50	1/9/2013
Cobalt	EPA 200.7	0.0028	mg/L	0.0020	1/9/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/9/2013
Iron	EPA 200.7	1.4	mg/L	0.010	1/9/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	1/9/2013
Magnesium	EPA 200.7	0.39	mg/L	0.20	1/9/2013
Manganese	EPA 200.7	0.033	mg/L	0.0050	1/9/2013
Molybdenum	EPA 200.7	0.0066	mg/L	0.0050	1/9/2013
Phosphorus	EPA 200.7	0.50	mg/L	0.50	1/9/2013
Potassium	EPA 200.7	4.0	mg/L	0.50	1/9/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	1/9/2013
Silicon	EPA 200.7	17	mg/L	0.10	1/9/2013

Customer Sample ID: 63316

Collect Date/Time: 1/7/2013 10:41

WETLAB Sample ID: 1301079-002

Receive Date: 1/7/2013 11:10

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	290	mg/L	0.50	1/9/2013
Strontium	EPA 200.7	0.082	mg/L	0.0020	1/9/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/9/2013
Titanium	EPA 200.7	0.042	mg/L	0.0050	1/9/2013
Vanadium	EPA 200.7	0.024	mg/L	0.010	1/9/2013
Zinc	EPA 200.7	0.032	mg/L	0.010	1/9/2013
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	1/11/2013
Antimony	EPA 200.8	0.68	mg/L	0.025	1/11/2013
Arsenic	EPA 200.8	3.9	mg/L	0.050	1/11/2013
Beryllium	EPA 200.8	0.0006	mg/L	0.0002	1/15/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	1/15/2013
Chromium	EPA 200.8	0.0021	mg/L	0.0010	1/15/2013
Copper	EPA 200.8	0.067	mg/L	0.0050	1/15/2013
Lead	EPA 200.8	0.22	mg/L	0.025	1/11/2013
Nickel	EPA 200.8	0.0034	mg/L	0.0020	1/15/2013
Selenium	EPA 200.8	0.015	mg/L	0.0050	1/10/2013
Silver	EPA 200.8	0.00078	mg/L	0.0005	1/15/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/10/2013
Uranium	EPA 200.8	0.13	mg/L	0.0050	1/10/2013
Anions	Calculation	13.1	meq/L	0.10	
Cations	Calculation	12.3	meq/L	0.10	
Error	Calculation	3.3	%	1.0	

Customer Sample ID: 63322

Collect Date/Time: 1/7/2013 10:41

WETLAB Sample ID: 1301079-003

Receive Date: 1/7/2013 11:10

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	2.3	mg/L	0.10	1/10/2013
Thiocyanate	SM 4500 CNM	1.9	mg/L	0.20	1/9/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.072	mg/L	0.050	1/10/2013
pH	SM 4500-H+ B	8.92	pH Units		1/7/2013
Trace Metals Digestion	EPA 200.2	Complete			1/8/2013
Acidity (Titrimetric)	SM 2310B	-133	mg/L as CaCO3		1/10/2013
Bicarbonate (HCO3)	SM 2320B	670	mg/L	1.0	1/7/2013
Carbonate (CO3)	SM 2320B	62	mg/L	1.0	1/7/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/7/2013
Total Alkalinity	SM 2320B	660	mg/L as CaCO3	1.0	1/7/2013
Redox Potential	SM 2580B	250	mV		1/7/2013

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Customer Sample ID: 63322

Collect Date/Time: 1/7/2013 10:41

WETLAB Sample ID: 1301079-003

Receive Date: 1/7/2013 11:10

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	0.38	mg/L	0.10	1/8/2013
Fluoride	EPA 300.0	1.1	mg/L	1.0	1/7/2013
Sulfate	EPA 300.0	21	mg/L	10	1/7/2013
Nitrate Nitrogen	EPA 300.0	<0.10	mg/L	0.10	1/8/2013
Nitrite Nitrogen	EPA 300.0	0.078	mg/L	0.025	1/8/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.62	mg/L	0.050	1/10/2013
Total Nitrogen	Calc.	0.70	mg/L	0.070	1/10/2013
Total Cyanide	SM 4500CNC	0.090	mg/L	0.010	1/8/2013
Total Dissolved Solids (TDS)	SM 2540C	790	mg/L	10	1/8/2013
WAD Cyanide	SM 4500CNI	0.066	mg/L	0.010	1/8/2013
Electrical Conductivity	SM 2510B	1200	µmhos/cm	1	1/10/2013
Aluminum	EPA 200.7	2.3	mg/L	0.045	1/9/2013
Barium	EPA 200.7	0.026	mg/L	0.010	1/9/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/9/2013
Boron	EPA 200.7	0.14	mg/L	0.100	1/9/2013
Calcium	EPA 200.7	5.2	mg/L	0.50	1/9/2013
Cobalt	EPA 200.7	0.0053	mg/L	0.0020	1/9/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/9/2013
Iron	EPA 200.7	1.2	mg/L	0.010	1/9/2013
Lithium	EPA 200.7	0.056	mg/L	0.020	1/9/2013
Magnesium	EPA 200.7	0.66	mg/L	0.50	1/9/2013
Manganese	EPA 200.7	0.036	mg/L	0.0050	1/9/2013
Molybdenum	EPA 200.7	0.0054	mg/L	0.0050	1/9/2013
Phosphorus	EPA 200.7	0.53	mg/L	0.50	1/9/2013
Potassium	EPA 200.7	3.8	mg/L	0.50	1/9/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	1/9/2013
Silicon	EPA 200.7	19	mg/L	0.10	1/9/2013
Sodium	EPA 200.7	290	mg/L	0.50	1/9/2013
Strontium	EPA 200.7	0.086	mg/L	0.0020	1/9/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/9/2013
Titanium	EPA 200.7	0.072	mg/L	0.0050	1/9/2013
Vanadium	EPA 200.7	0.023	mg/L	0.010	1/9/2013
Zinc	EPA 200.7	0.054	mg/L	0.010	1/9/2013
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	1/11/2013
Antimony	EPA 200.8	0.34	mg/L	0.025	1/11/2013
Arsenic	EPA 200.8	4.0	mg/L	0.050	1/11/2013
Beryllium	EPA 200.8	0.00059	mg/L	0.0002	1/15/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	1/15/2013

Customer Sample ID: 63322

Collect Date/Time: 1/7/2013 10:41

WETLAB Sample ID: 1301079-003

Receive Date: 1/7/2013 11:10

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.8	0.0027	mg/L	0.0010	1/15/2013
Copper	EPA 200.8	0.23	mg/L	0.0050	1/15/2013
Lead	EPA 200.8	0.25	mg/L	0.025	1/11/2013
Nickel	EPA 200.8	0.0035	mg/L	0.0020	1/15/2013
Selenium	EPA 200.8	0.014	mg/L	0.0050	1/10/2013
Silver	EPA 200.8	0.0006	mg/L	0.0005	1/15/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/10/2013
Uranium	EPA 200.8	0.069	mg/L	0.0050	1/10/2013
Anions	Calculation	13.6	meq/L	0.10	
Cations	Calculation	12.0	meq/L	0.10	
Error	Calculation	6.1	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13010205	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13010205	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13010205	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13010210	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13010210	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13010210	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13010223	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010223	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010233	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010233	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010256	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13010256	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13010256	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13010259	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010259	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010259	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010261	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010261	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010261	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010278	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13010278	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13010290	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13010303	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13010303	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13010306	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13010309	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC13010309	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13010309	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13010310	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC13010310	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC13010310	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.050	mg/L
QC13010326	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010326	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010326	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010326	Blank 4	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010326	Blank 5	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010329	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13010190	LCS 1	Redox Potential	SM 2580B	220	221	99	mV
QC13010205	LCS 1	Fluoride	EPA 300.0	1.97	2.00	98	mg/L
QC13010210	LCS 1	Sulfate	EPA 300.0	24.4	25.0	98	mg/L
QC13010223	LCS 1	WAD Cyanide	SM 4500CNI	0.099	0.100	99	mg/L
QC13010228	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13010228	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13010228	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13010230	LCS 1	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC13010230	LCS 2	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC13010230	LCS 3	Total Alkalinity	SM 2320B	100	100	100	mg/L
QC13010230	LCS 4	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13010233	LCS 1	Total Cyanide	SM 4500CNC	0.103	0.100	103	mg/L
QC13010256	LCS 1	Chloride	EPA 300.0	10.1	10.0	101	mg/L
QC13010259	LCS 1	Nitrite Nitrogen	EPA 300.0	0.537	0.500	107	mg/L
QC13010261	LCS 1	Nitrate Nitrogen	EPA 300.0	1.95	2.00	98	mg/L
QC13010290	LCS 1	Aluminum	EPA 200.7	0.984	1.00	98	mg/L
		Barium	EPA 200.7	0.994	1.00	99	mg/L
		Bismuth	EPA 200.7	1.05	1.00	105	mg/L
		Boron	EPA 200.7	0.952	1.00	95	mg/L
		Calcium	EPA 200.7	10.0	10.0	100	mg/L
		Cobalt	EPA 200.7	0.994	1.00	99	mg/L
		Gallium	EPA 200.7	0.994	1.00	99	mg/L
		Iron	EPA 200.7	0.995	1.00	100	mg/L
		Lithium	EPA 200.7	0.983	1.00	98	mg/L
		Magnesium	EPA 200.7	9.55	10.0	96	mg/L
		Manganese	EPA 200.7	0.995	1.00	100	mg/L
		Molybdenum	EPA 200.7	0.993	1.00	99	mg/L
		Phosphorus	EPA 200.7	5.07	5.00	101	mg/L
		Potassium	EPA 200.7	9.99	10.0	100	mg/L
		Scandium	EPA 200.7	0.984	1.00	98	mg/L
		Silicon	EPA 200.7	9.46	10.0	95	mg/L
		Sodium	EPA 200.7	10.1	10.0	101	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Strontium	EPA 200.7	0.999	1.00	100	mg/L	
		Tin	EPA 200.7	0.971	1.00	97	mg/L	
		Titanium	EPA 200.7	0.979	1.00	98	mg/L	
		Vanadium	EPA 200.7	0.984	1.00	98	mg/L	
		Zinc	EPA 200.7	1.01	1.00	101	mg/L	
QC13010303	LCS 1	Cyanate	SM 4500 CNL	1.05	1.00	105	mg/L	
QC13010306	LCS 1	Electrical Conductivity	SM 2510B	1398	1412	99	µmhos/cm	
QC13010309	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	157	150	105	mg/L	
QC13010309	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	157	150	105	mg/L	
QC13010309	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	149	150	100	mg/L	
QC13010310	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.681	0.690	99	mg/L	
QC13010326	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.818	1.00	82	mg/L	
QC13010326	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.835	1.00	84	mg/L	
QC13010329	LCS 1	Mercury	EPA 200.8	0.000891	0.001	89	mg/L	
		Antimony	EPA 200.8	0.0093	0.010	93	mg/L	
		Arsenic	EPA 200.8	0.0488	0.050	98	mg/L	
		Cadmium	EPA 200.8	0.0097	0.010	97	mg/L	
		Copper	EPA 200.8	0.0092	0.010	92	mg/L	
		Lead	EPA 200.8	0.0097	0.010	97	mg/L	
		Selenium	EPA 200.8	0.0478	0.050	96	mg/L	
		Thallium	EPA 200.8	0.0099	0.010	99	mg/L	
		Uranium	EPA 200.8	0.0097	0.010	97	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13010190	Duplicate	Redox Potential	SM 2580B	1301079-001	240	234	mV	3 %
QC13010228	Duplicate	pH	SM 4500-H+ B	1301079-001	8.71	8.71	pH Units	<1%
QC13010228	Duplicate	pH	SM 4500-H+ B	1301088-001	7.91	7.96	pH Units	1 %
QC13010228	Duplicate	pH	SM 4500-H+ B	1301091-007	7.58	7.65	pH Units	1 %
QC13010228	Duplicate	pH	SM 4500-H+ B	1301091-015	2.88	2.88	pH Units	<1%
QC13010228	Duplicate	pH	SM 4500-H+ B	1301090-002	6.25	6.37	pH Units	2 %
QC13010230	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301079-001	487	488	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1301079-001	27.8	27.6	mg/L	1 %
		Hydroxide (OH)	SM 2320B	1301079-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301079-001	446	446	mg/L as CaCO3	<1%
QC13010230	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301088-001	148	148	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1301088-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301088-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301088-001	122	121	mg/L as CaCO3	1 %
QC13010230	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301091-007	45.4	45.4	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1301091-007	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301091-007	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301091-007	37.2	37.2	mg/L as CaCO3	<1%
QC13010303	Duplicate	Cyanate	SM 4500 CNL	1301079-003	2.33	2.17	mg/L	7 %
QC13010306	Duplicate	Electrical Conductivity	SM 2510B	1212525-001	740	739	µmhos/cm	<1%
QC13010309	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301047-001	54.0	58.0	mg/L	7 %
QC13010309	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301078-003	802	808	mg/L	1 %

QCBatchID	QCType	Parameter	Method		Duplicate Sample		Sample Result		Duplicate Result		Units		RPD
QC13010309	Duplicate	Total Dissolved Solids (TDS)	SM 2540C		1301090-001		33.0		32.0		mg/L		3 %
QC13010309	Duplicate	Total Dissolved Solids (TDS)	SM 2540C		1301090-011		47.0		37.0		mg/L		24 %
QC13010309	Duplicate	Total Dissolved Solids (TDS)	SM 2540C		1212510-001				2220		mg/L		<1%

QCBatchID	QCType	Parameter	Method	Spike Sample		Sample Result		MS Result		MSD Result		Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13010205	MS 1	Fluoride	EPA 300.0	1301052-001	2.72	M	10.3	10.3	2.00	mg/L	NC	NC	NC			
QC13010205	MS 2	Fluoride	EPA 300.0	1301082-001	<0.100		1.69	1.73	2.00	mg/L	80	82	2 %			
QC13010210	MS 1	Sulfate	EPA 300.0	1301052-001	59.3		109	109	10.0	mg/L	99	99	<1%			
QC13010210	MS 2	Sulfate	EPA 300.0	1301082-001	22.8		32.3	32.7	10.0	mg/L	95	99	1 %			
QC13010223	MS 1	WAD Cyanide	SM 4500CNI	1301079-002	<0.010	M	0.120	0.121	0.100	mg/L	NC	NC	NC			
QC13010223	MS 2	WAD Cyanide	SM 4500CNI	1301087-001	<0.010		0.110	0.113	0.100	mg/L	110	113	3 %			
QC13010233	MS 1	Total Cyanide	SM 4500CNC	1301079-003	0.090		0.193	0.203	0.100	mg/L	102	113	5 %			
QC13010256	MS 1	Chloride	EPA 300.0	1301091-004	<1.000		5.21	5.49	5.00	mg/L	103	109	5 %			
QC13010256	MS 2	Chloride	EPA 300.0	1301091-018	<1.000		5.28	5.50	5.00	mg/L	104	109	4 %			
QC13010259	MS 1	Nitrite Nitrogen	EPA 300.0	1301091-004	<0.025		0.584	0.614	0.500	mg/L	113	119	5 %			
QC13010259	MS 2	Nitrite Nitrogen	EPA 300.0	1301091-018	<0.025		0.580	0.606	0.500	mg/L	113	118	4 %			
QC13010261	MS 1	Nitrate Nitrogen	EPA 300.0	1301091-004	<1.000		2.08	2.21	2.00	mg/L	101	107	6 %			
QC13010261	MS 2	Nitrate Nitrogen	EPA 300.0	1301091-018	<1.000		2.08	2.17	2.00	mg/L	103	107	4 %			
QC13010278	MS 1	Thiocyanate	SM 4500 CN	1301079-003	1.86		1.29	1.27	0.500	mg/L	71	68	2 %			
QC13010290	MS 1	Aluminum	EPA 200.7	1301078-013	0.047		1.09	1.08	1.00	mg/L	104	103	1 %			
		Barium	EPA 200.7	1301078-013	0.021		1.01	0.998	1.00	mg/L	99	98	1 %			
		Bismuth	EPA 200.7	1301078-013	<0.100		1.04	1.03	1.00	mg/L	103	102	1 %			
		Boron	EPA 200.7	1301078-013	2.51		3.56	3.47	1.00	mg/L	105	96	3 %			
		Calcium	EPA 200.7	1301078-013	3.89		14.0	13.9	10.0	mg/L	101	100	1 %			
		Cobalt	EPA 200.7	1301078-013	<0.010		0.986	0.976	1.00	mg/L	99	98	1 %			
		Gallium	EPA 200.7	1301078-013	<0.100		0.999	0.993	1.00	mg/L	100	99	1 %			
		Iron	EPA 200.7	1301078-013	0.244		1.26	1.24	1.00	mg/L	102	100	2 %			
		Lithium	EPA 200.7	1301078-013	0.055	J	1.07	1.07	1.00	mg/L	101	101	<1%			
		Magnesium	EPA 200.7	1301078-013	0.436	J	10.1	10.1	10.0	mg/L	97	97	<1%			
		Manganese	EPA 200.7	1301078-013	0.026		1.02	1.01	1.00	mg/L	99	98	1 %			
		Molybdenum	EPA 200.7	1301078-013	<0.010		0.978	0.971	1.00	mg/L	97	97	1 %			
		Phosphorus	EPA 200.7	1301078-013	<0.500		5.10	5.04	5.00	mg/L	101	100	1 %			
		Potassium	EPA 200.7	1301078-013	5.28		15.6	15.3	10.0	mg/L	103	100	2 %			
		Scandium	EPA 200.7	1301078-013	<0.100		0.998	0.997	1.00	mg/L	100	100	<1%			
		Silicon	EPA 200.7	1301078-013	3.25		13.0	12.9	10.0	mg/L	98	96	1 %			
		Sodium	EPA 200.7	1301078-013	54.2		65.1	63.9	10.0	mg/L	109	97	2 %			
		Strontium	EPA 200.7	1301078-013	0.018	J	1.05	1.05	1.00	mg/L	103	103	<1%			
		Tin	EPA 200.7	1301078-013	<0.100		0.959	0.950	1.00	mg/L	96	95	1 %			
		Titanium	EPA 200.7	1301078-013	<0.100		0.988	0.990	1.00	mg/L	99	99	<1%			
		Vanadium	EPA 200.7	1301078-013	<0.010		0.992	0.987	1.00	mg/L	99	99	1 %			
		Zinc	EPA 200.7	1301078-013	<0.010		1.01	0.999	1.00	mg/L	100	99	1 %			
QC13010310	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1301067-001	39.9	M	2.52	2.58	0.690	mg/L	NC	NC	NC			
QC13010310	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1301061-003	<0.050	M	0.657	0.588	0.690	mg/L	NC	NC	NC			
QC13010326	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1301097-002	0.112		0.932	0.914	1.00	mg/L	82	80	2 %			
QC13010326	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1301044-001	<0.050		0.899	0.929	1.00	mg/L	90	93	3 %			
QC13010326	MS 3	Ammonia, as Nitrogen	SM 4500 NH3	1301128-002	0.089		0.899	0.888	1.00	mg/L	81	80	1 %			
QC13010326	MS 4	Ammonia, as Nitrogen	SM 4500 NH3	1301079-001	0.068		0.952	1.01	1.00	mg/L	88	94	6 %			
QC13010329	MS 1	Mercury	EPA 200.8	1301078-013	<0.00010		0.000893	0.000915	0.001	mg/L	89	92	2 %			
		Antimony	EPA 200.8	1301078-013	<0.0021	J	0.0097	0.0098	0.010	mg/L	92	93	1 %			
		Arsenic	EPA 200.8	1301078-013	0.0177		0.0667	0.0671	0.050	mg/L	98	99	1 %			
		Cadmium	EPA 200.8	1301078-013	<0.0010		0.0090	0.0089	0.010	mg/L	90	89	1 %			

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Copper	EPA 200.8	1301078-013	<0.0050	0.0109	0.0108	0.010	mg/L	94	93	1 %
		Lead	EPA 200.8	1301078-013	<0.0025	0.0098	0.0099	0.010	mg/L	97	99	1 %
		Selenium	EPA 200.8	1301078-013	<0.0050	0.0387	0.0388	0.050	mg/L	78	78	<1%
		Thallium	EPA 200.8	1301078-013	<0.0010	0.0096	0.0098	0.010	mg/L	95	96	2 %
		Uranium	EPA 200.8	1301078-013	<0.0050	0.0099	0.0101	0.010	mg/L	99	101	2 %

1/22/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1301186

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 1/14/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1301186

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Total Cyanide on sample 1301186-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1301186-001 Mercury

1301186-002 Nitrate Nitrogen, Mercury

1301186-003 Nitrate Nitrogen, Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 1/22/2013

OrderID: 1301186

Customer Sample ID: 63301

Collect Date/Time: 1/14/2013 12:05

WETLAB Sample ID: 1301186-001

Receive Date: 1/14/2013 12:05

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	2.8	mg/L	0.10	1/17/2013
Thiocyanate	SM 4500 CNM	1.4	mg/L	0.20	1/17/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	1/21/2013
pH	SM 4500-H+ B	8.76	pH Units		1/14/2013
Trace Metals Digestion	EPA 200.2	Complete			1/16/2013
Acidity (Titrimetric)	SM 2310B	-79	mg/L as CaCO3		1/15/2013
Bicarbonate (HCO3)	SM 2320B	490	mg/L	1.0	1/14/2013
Carbonate (CO3)	SM 2320B	35	mg/L	1.0	1/14/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/14/2013
Total Alkalinity	SM 2320B	460	mg/L as CaCO3	1.0	1/14/2013
Redox Potential	SM 2580B	270	mV		1/14/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	1/15/2013
Fluoride	EPA 300.0	1.4	mg/L	0.10	1/15/2013
Sulfate	EPA 300.0	97	mg/L	1.0	1/15/2013
Nitrate Nitrogen	EPA 300.0	0.67	mg/L	0.10	1/15/2013
Nitrite Nitrogen	EPA 300.0	0.053	mg/L	0.025	1/15/2013
Total Kjeldahl Nitrogen	EPA 351.2	1.2	mg/L	0.100	1/16/2013
Total Nitrogen	Calc.	1.9	mg/L	0.070	1/16/2013
Total Cyanide	SM 4500CNC	0.56	M mg/L	0.10	1/15/2013
Total Dissolved Solids (TDS)	SM 2540C	690	mg/L	10	1/15/2013
WAD Cyanide	SM 4500CNI	0.034	mg/L	0.010	1/15/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	1/18/2013
Aluminum	EPA 200.7	3.5	mg/L	0.045	1/17/2013
Barium	EPA 200.7	0.038	mg/L	0.010	1/17/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/17/2013
Boron	EPA 200.7	0.071	mg/L	0.020	1/17/2013
Calcium	EPA 200.7	6.8	mg/L	0.50	1/17/2013

Customer Sample ID: 63301

Collect Date/Time: 1/14/2013 12:05

WETLAB Sample ID: 1301186-001

Receive Date: 1/14/2013 12:05

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.0036	mg/L	0.0020	1/17/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/17/2013
Iron	EPA 200.7	2.2	mg/L	0.010	1/17/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	1/17/2013
Magnesium	EPA 200.7	0.70	mg/L	0.50	1/17/2013
Manganese	EPA 200.7	0.060	mg/L	0.0050	1/17/2013
Molybdenum	EPA 200.7	0.017	mg/L	0.0100	1/17/2013
Phosphorus	EPA 200.7	1.1	mg/L	0.50	1/17/2013
Potassium	EPA 200.7	4.1	mg/L	0.50	1/17/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	1/17/2013
Silicon	EPA 200.7	23	mg/L	0.10	1/17/2013
Sodium	EPA 200.7	240	mg/L	0.50	1/17/2013
Strontium	EPA 200.7	0.11	mg/L	0.1000	1/17/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/17/2013
Titanium	EPA 200.7	0.055	mg/L	0.0050	1/17/2013
Vanadium	EPA 200.7	0.032	mg/L	0.010	1/17/2013
Zinc	EPA 200.7	0.037	mg/L	0.010	1/17/2013
Mercury	EPA 200.8	<0.0004	mg/L	0.0004	1/21/2013
Antimony	EPA 200.8	0.74	mg/L	0.12	1/21/2013
Arsenic	EPA 200.8	4.7	mg/L	0.25	1/21/2013
Beryllium	EPA 200.8	0.0006	mg/L	0.0002	1/21/2013
Cadmium	EPA 200.8	0.0004	mg/L	0.0002	1/21/2013
Chromium	EPA 200.8	0.0025	mg/L	0.0010	1/21/2013
Copper	EPA 200.8	0.023	mg/L	0.0050	1/21/2013
Lead	EPA 200.8	0.24	mg/L	0.0025	1/17/2013
Nickel	EPA 200.8	0.0053	mg/L	0.0020	1/21/2013
Selenium	EPA 200.8	0.018	mg/L	0.0050	1/17/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	1/21/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/17/2013
Uranium	EPA 200.8	0.12	mg/L	0.0050	1/21/2013
Anions	Calculation	11.3	meq/L	0.10	
Cations	Calculation	10.6	meq/L	0.10	
Error	Calculation	3.2	%	1.0	

Customer Sample ID: 63316

Collect Date/Time: 1/14/2013 12:05

WETLAB Sample ID: 1301186-002

Receive Date: 1/14/2013 12:05

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	1.1	mg/L	0.20	1/17/2013
Cyanate	SM 4500 CNL	1.6	mg/L	0.10	1/17/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	1/21/2013
pH	SM 4500-H+ B	8.81	pH Units		1/14/2013
Trace Metals Digestion	EPA 200.2	Complete			1/16/2013
Acidity (Titrimetric)	SM 2310B	-85	mg/L as CaCO3		1/15/2013
Bicarbonate (HCO3)	SM 2320B	480	mg/L	1.0	1/14/2013
Carbonate (CO3)	SM 2320B	39	mg/L	1.0	1/14/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/14/2013
Total Alkalinity	SM 2320B	460	mg/L as CaCO3	1.0	1/14/2013
Redox Potential	SM 2580B	270	mV		1/14/2013
Chloride	EPA 300.0	0.12	mg/L	0.10	1/15/2013
Fluoride	EPA 300.0	1.4	mg/L	0.10	1/15/2013
Sulfate	EPA 300.0	190	mg/L	1.0	1/15/2013
Nitrate Nitrogen	EPA 300.0	<0.10	mg/L	0.10	1/15/2013
Nitrite Nitrogen	EPA 300.0	0.016	mg/L	0.010	1/15/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.62	mg/L	0.100	1/16/2013
Total Nitrogen	Calc.	0.62	mg/L	0.070	1/16/2013
Total Cyanide	SM 4500CNC	0.14	mg/L	0.010	1/15/2013
Total Dissolved Solids (TDS)	SM 2540C	800	mg/L	10	1/15/2013
WAD Cyanide	SM 4500CNI	0.019	mg/L	0.010	1/15/2013
Electrical Conductivity	SM 2510B	1300	µmhos/cm	1	1/18/2013
Aluminum	EPA 200.7	2.5	mg/L	0.045	1/17/2013
Barium	EPA 200.7	0.027	mg/L	0.010	1/17/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/17/2013
Boron	EPA 200.7	0.046	mg/L	0.020	1/17/2013
Calcium	EPA 200.7	6.2	mg/L	0.50	1/17/2013
Cobalt	EPA 200.7	0.0028	mg/L	0.0020	1/17/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/17/2013
Iron	EPA 200.7	1.4	mg/L	0.010	1/17/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	1/17/2013
Magnesium	EPA 200.7	0.38	mg/L	0.25	1/17/2013
Manganese	EPA 200.7	0.035	mg/L	0.0050	1/17/2013
Molybdenum	EPA 200.7	0.0063	mg/L	0.0050	1/17/2013
Phosphorus	EPA 200.7	0.51	mg/L	0.50	1/17/2013
Potassium	EPA 200.7	4.2	mg/L	0.50	1/17/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	1/17/2013
Silicon	EPA 200.7	19	mg/L	0.10	1/17/2013

Customer Sample ID: 63316

Collect Date/Time: 1/14/2013 12:05

WETLAB Sample ID: 1301186-002

Receive Date: 1/14/2013 12:05

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	280	mg/L	0.50	1/17/2013
Strontium	EPA 200.7	0.089	mg/L	0.0020	1/17/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/17/2013
Titanium	EPA 200.7	0.049	mg/L	0.0050	1/17/2013
Vanadium	EPA 200.7	0.024	mg/L	0.010	1/17/2013
Zinc	EPA 200.7	0.035	mg/L	0.010	1/17/2013
Mercury	EPA 200.8	<0.0004	mg/L	0.0004	1/21/2013
Antimony	EPA 200.8	0.80	mg/L	0.12	1/21/2013
Arsenic	EPA 200.8	4.2	mg/L	0.25	1/21/2013
Beryllium	EPA 200.8	0.0005	mg/L	0.0002	1/21/2013
Cadmium	EPA 200.8	0.0004	mg/L	0.0002	1/21/2013
Chromium	EPA 200.8	0.0014	mg/L	0.0010	1/21/2013
Copper	EPA 200.8	0.070	mg/L	0.0050	1/21/2013
Lead	EPA 200.8	0.25	mg/L	0.12	1/21/2013
Nickel	EPA 200.8	0.0032	mg/L	0.0020	1/21/2013
Selenium	EPA 200.8	0.017	mg/L	0.0050	1/17/2013
Silver	EPA 200.8	0.00050	mg/L	0.0005	1/21/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/17/2013
Uranium	EPA 200.8	0.14	mg/L	0.0050	1/17/2013
Anions	Calculation	13.2	meq/L	0.10	
Cations	Calculation	12.1	meq/L	0.10	
Error	Calculation	4.4	%	1.0	

Customer Sample ID: 63322

Collect Date/Time: 1/14/2013 12:05

WETLAB Sample ID: 1301186-003

Receive Date: 1/14/2013 12:05

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	2.0	mg/L	0.10	1/17/2013
Thiocyanate	SM 4500 CNM	1.2	mg/L	0.20	1/17/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	1/21/2013
pH	SM 4500-H+ B	8.90	pH Units		1/14/2013
Trace Metals Digestion	EPA 200.2	Complete			1/16/2013
Acidity (Titrimetric)	SM 2310B	-135	mg/L as CaCO3		1/15/2013
Bicarbonate (HCO3)	SM 2320B	630	mg/L	1.0	1/14/2013
Carbonate (CO3)	SM 2320B	61	mg/L	1.0	1/14/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/14/2013
Total Alkalinity	SM 2320B	620	mg/L as CaCO3	1.0	1/14/2013
Redox Potential	SM 2580B	290	mV		1/14/2013

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Customer Sample ID: 63322

Collect Date/Time: 1/14/2013 12:05

WETLAB Sample ID: 1301186-003

Receive Date: 1/14/2013 12:05

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	0.21	mg/L	0.10	1/15/2013
Fluoride	EPA 300.0	1.1	mg/L	0.10	1/15/2013
Sulfate	EPA 300.0	20	mg/L	1.0	1/15/2013
Nitrate Nitrogen	EPA 300.0	<0.10	mg/L	0.10	1/15/2013
Nitrite Nitrogen	EPA 300.0	0.061	mg/L	0.025	1/15/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.65	mg/L	0.100	1/16/2013
Total Nitrogen	Calc.	0.71	mg/L	0.070	1/16/2013
Total Cyanide	SM 4500CNC	0.056	mg/L	0.010	1/15/2013
Total Dissolved Solids (TDS)	SM 2540C	730	mg/L	10	1/15/2013
WAD Cyanide	SM 4500CNI	0.029	mg/L	0.010	1/15/2013
Electrical Conductivity	SM 2510B	1200	µmhos/cm	1	1/18/2013
Aluminum	EPA 200.7	2.2	mg/L	0.045	1/17/2013
Barium	EPA 200.7	0.026	mg/L	0.010	1/17/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/17/2013
Boron	EPA 200.7	0.12	mg/L	0.100	1/17/2013
Calcium	EPA 200.7	5.3	mg/L	0.50	1/17/2013
Cobalt	EPA 200.7	0.0048	mg/L	0.0020	1/17/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/17/2013
Iron	EPA 200.7	1.2	mg/L	0.010	1/17/2013
Lithium	EPA 200.7	0.055	mg/L	0.020	1/17/2013
Magnesium	EPA 200.7	0.65	mg/L	0.50	1/17/2013
Manganese	EPA 200.7	0.033	mg/L	0.0050	1/17/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	1/17/2013
Phosphorus	EPA 200.7	0.54	mg/L	0.50	1/17/2013
Potassium	EPA 200.7	3.7	mg/L	0.50	1/17/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	1/17/2013
Silicon	EPA 200.7	19	mg/L	0.10	1/17/2013
Sodium	EPA 200.7	270	mg/L	0.50	1/17/2013
Strontium	EPA 200.7	0.083	mg/L	0.0020	1/17/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/17/2013
Titanium	EPA 200.7	0.074	mg/L	0.0050	1/17/2013
Vanadium	EPA 200.7	0.026	mg/L	0.010	1/17/2013
Zinc	EPA 200.7	0.045	mg/L	0.010	1/17/2013
Mercury	EPA 200.8	<0.0004	mg/L	0.0004	1/21/2013
Antimony	EPA 200.8	0.35	mg/L	0.12	1/21/2013
Arsenic	EPA 200.8	3.8	mg/L	0.25	1/21/2013
Beryllium	EPA 200.8	0.0004	mg/L	0.0002	1/21/2013
Cadmium	EPA 200.8	0.0006	mg/L	0.0002	1/21/2013

Customer Sample ID: 63322

Collect Date/Time: 1/14/2013 12:05

WETLAB Sample ID: 1301186-003

Receive Date: 1/14/2013 12:05

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.8	0.0026	mg/L	0.0010	1/21/2013
Copper	EPA 200.8	0.23	mg/L	0.10	1/21/2013
Lead	EPA 200.8	0.24	mg/L	0.12	1/21/2013
Nickel	EPA 200.8	0.0031	mg/L	0.0020	1/21/2013
Selenium	EPA 200.8	0.014	mg/L	0.0050	1/17/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	1/21/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/17/2013
Uranium	EPA 200.8	0.071	mg/L	0.0050	1/17/2013
Anions	Calculation	12.8	meq/L	0.10	
Cations	Calculation	11.1	meq/L	0.10	
Error	Calculation	7.3	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13010443	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010443	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010444	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010444	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010455	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13010455	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13010455	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13010456	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13010456	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13010456	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13010457	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010457	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010457	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010458	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010458	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010458	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010460	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13010460	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13010460	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13010467	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.100	mg/L
QC13010467	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.100	mg/L
QC13010467	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.100	mg/L
QC13010467	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.100	mg/L
QC13010510	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13010518	Blank 1	Uranium, Dissolved	EPA 200.8	<0.0050	mg/L
		Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Copper, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
		Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
QC13010526	Blank 1	Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silicon, Dissolved	EPA 200.7	<0.10	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC13010528	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13010528	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13010529	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13010529	Blank 2	Thiocyanate	SM 4500 CNM	0.10	mg/L
QC13010563	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13010618	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010618	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010618	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13010419	LCS 1	Redox Potential	SM 2580B	222	221	100	mV
QC13010439	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13010439	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13010439	LCS 3	pH	SM 4500-H+ B	7.02	7.00	100	pH Units
QC13010441	LCS 1	Total Alkalinity	SM 2320B	99.7	100	100	mg/L
QC13010441	LCS 2	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13010441	LCS 3	Total Alkalinity	SM 2320B	99.1	100	99	mg/L
QC13010441	LCS 4	Total Alkalinity	SM 2320B	98.2	100	98	mg/L
QC13010443	LCS 1	Total Cyanide	SM 4500CNC	0.097	0.100	97	mg/L
QC13010444	LCS 1	WAD Cyanide	SM 4500CNI	0.099	0.100	99	mg/L
QC13010455	LCS 1	Fluoride	EPA 300.0	2.02	2.00	101	mg/L
QC13010456	LCS 1	Chloride	EPA 300.0	10.4	10.0	104	mg/L
QC13010457	LCS 1	Nitrite Nitrogen	EPA 300.0	0.516	0.500	103	mg/L
QC13010458	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	2.00	100	mg/L
QC13010460	LCS 1	Sulfate	EPA 300.0	24.8	25.0	99	mg/L
QC13010467	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.720	0.690	104	mg/L
QC13010467	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.733	0.690	106	mg/L
QC13010510	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	148	150	99	mg/L
QC13010518	LCS 1	Uranium, Dissolved	EPA 200.8	0.0100	0.010	100	mg/L
		Mercury, Dissolved	EPA 200.8	0.000956	0.001	96	mg/L
		Antimony, Dissolved	EPA 200.8	0.0093	0.010	93	mg/L
		Arsenic, Dissolved	EPA 200.8	0.0490	0.050	98	mg/L
		Cadmium, Dissolved	EPA 200.8	0.0099	0.010	99	mg/L
		Copper, Dissolved	EPA 200.8	0.0092	0.010	92	mg/L
		Lead, Dissolved	EPA 200.8	0.0099	0.010	99	mg/L
		Selenium, Dissolved	EPA 200.8	0.0478	0.050	96	mg/L
		Thallium, Dissolved	EPA 200.8	0.0100	0.010	100	mg/L
QC13010526	LCS 1	Aluminum, Dissolved	EPA 200.7	0.987	1.00	99	mg/L
		Barium, Dissolved	EPA 200.7	0.998	1.00	100	mg/L
		Bismuth, Dissolved	EPA 200.7	0.997	1.00	100	mg/L
		Boron, Dissolved	EPA 200.7	0.974	1.00	97	mg/L
		Calcium, Dissolved	EPA 200.7	10.0	10.0	100	mg/L
		Cobalt, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Gallium, Dissolved	EPA 200.7	0.995	1.00	100	mg/L
		Iron, Dissolved	EPA 200.7	0.985	1.00	98	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Lithium, Dissolved	EPA 200.7	0.982	1.00	98	mg/L	
		Magnesium, Dissolved	EPA 200.7	9.78	10.0	98	mg/L	
		Manganese, Dissolved	EPA 200.7	0.988	1.00	99	mg/L	
		Molybdenum, Dissolved	EPA 200.7	0.986	1.00	99	mg/L	
		Phosphorus, Dissolved	EPA 200.7	5.13	5.00	103	mg/L	
		Potassium, Dissolved	EPA 200.7	9.97	10.0	100	mg/L	
		Scandium, Dissolved	EPA 200.7	0.982	1.00	98	mg/L	
		Silicon, Dissolved	EPA 200.7	9.30	10.0	93	mg/L	
		Sodium, Dissolved	EPA 200.7	10.4	10.0	104	mg/L	
		Strontium, Dissolved	EPA 200.7	1.01	1.00	101	mg/L	
		Tin, Dissolved	EPA 200.7	0.978	1.00	98	mg/L	
		Titanium, Dissolved	EPA 200.7	0.973	1.00	97	mg/L	
		Vanadium, Dissolved	EPA 200.7	0.988	1.00	99	mg/L	
		Zinc, Dissolved	EPA 200.7	1.03	1.00	103	mg/L	
QC13010528	LCS 1	Cyanate	SM 4500 CNL	1.02	1.00	102	mg/L	
QC13010563	LCS 1	Electrical Conductivity	SM 2510B	1375	1412	97	µmhos/cm	
QC13010618	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.914	1.00	91	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13010419	Duplicate	Redox Potential	SM 2580B	1301186-001	266	258	mV	3 %
QC13010439	Duplicate	pH	SM 4500-H+ B	1301187-001	7.25	7.29	pH Units	1 %
QC13010439	Duplicate	pH	SM 4500-H+ B	1301189-001	8.20	8.25	pH Units	1 %
QC13010439	Duplicate	pH	SM 4500-H+ B	1301193-001	6.08	6.05	pH Units	<1%
QC13010439	Duplicate	pH	SM 4500-H+ B	1301193-002	6.91	7.34	pH Units	6 %
QC13010439	Duplicate	pH	SM 4500-H+ B	1301191-001	2.66	2.66	pH Units	<1%
QC13010439	Duplicate	pH	SM 4500-H+ B	1301191-002	7.30	7.33	pH Units	<1%
QC13010441	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301187-001	158	159	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1301187-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301187-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301187-001	130	130	mg/L as CaCO3	<1%
QC13010441	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301189-001	88.4	88.7	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1301189-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301189-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301189-001	72.5	72.7	mg/L as CaCO3	<1%
QC13010441	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301193-001	1.77	1.52	mg/L	15 %
		Carbonate (CO3)	SM 2320B	1301193-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301193-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301193-001	1.45	1.25	mg/L as CaCO3	15 %
QC13010441	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301193-002	27.0	27.5	mg/L	2 %
		Carbonate (CO3)	SM 2320B	1301193-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301193-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301193-002	22.1	22.5	mg/L as CaCO3	2 %
QC13010441	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301192-005	4.09	5.04	mg/L	21 %
		Carbonate (CO3)	SM 2320B	1301192-005	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301192-005	<1.000	<1.000	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD	
QC13010441	Duplicate	Total Alkalinity	SM 2320B	1301192-005	3.35	4.13	Q	mg/L as CaCO3	21 %
		Bicarbonate (HCO3)	SM 2320B	1301191-002	574	573		mg/L	<1%
		Carbonate (CO3)	SM 2320B	1301191-002	<1.000	<1.000		mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301191-002	<1.000	<1.000		mg/L	<1%
QC13010510	Duplicate	Total Alkalinity	SM 2320B	1301191-002	471	470		mg/L as CaCO3	<1%
QC13010510	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301159-001	28.0	30.0		mg/L	7 %
QC13010510	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301186-001	690	688		mg/L	<1%
QC13010528	Duplicate	Cyanate	SM 4500 CNL	1301186-003	2.02	1.74		mg/L	15 %
QC13010563	Duplicate	Electrical Conductivity	SM 2510B	1301186-002	1303	1298		µmhos/cm	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD	
QC13010443	MS 1	Total Cyanide	SM 4500CNC	1301186-001	0.563	M	0.605	0.732	0.100	mg/L	NC	NC	NC
QC13010444	MS 1	WAD Cyanide	SM 4500CNI	1301186-001	0.034		0.137	0.135	0.100	mg/L	104	102	1 %
QC13010444	MS 2	WAD Cyanide	SM 4500CNI	1301160-003	<0.010	M	0.059	0.055	0.100	mg/L	NC	NC	NC
QC13010455	MS 1	Fluoride	EPA 300.0	1301191-005	<0.100		1.62	1.66	2.00	mg/L	81	83	2 %
QC13010455	MS 2	Fluoride	EPA 300.0	1301213-001	<1.000	M	15.5	15.8	2.00	mg/L	NC	NC	NC
QC13010456	MS 1	Chloride	EPA 300.0	1301189-001	<1.000		5.26	5.52	5.00	mg/L	98	104	5 %
QC13010456	MS 2	Chloride	EPA 300.0	1301191-005	<1.000		5.24	5.40	5.00	mg/L	101	105	3 %
QC13010457	MS 1	Nitrite Nitrogen	EPA 300.0	1301189-001	<0.025		0.519	0.525	0.500	mg/L	100	101	1 %
QC13010457	MS 2	Nitrite Nitrogen	EPA 300.0	1301191-005	<0.025		0.547	0.555	0.500	mg/L	109	111	1 %
QC13010458	MS 1	Nitrate Nitrogen	EPA 300.0	1301189-001	<1.000		2.03	2.14	2.00	mg/L	97	103	5 %
QC13010458	MS 2	Nitrate Nitrogen	EPA 300.0	1301191-005	<1.000		2.48	2.54	2.00	mg/L	102	105	2 %
QC13010460	MS 1	Sulfate	EPA 300.0	1301189-001	39.3		47.6	48.3	10.0	mg/L	84	90	1 %
QC13010460	MS 2	Sulfate	EPA 300.0	1301191-005	2.65		12.1	12.3	10.0	mg/L	94	97	2 %
QC13010467	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1301093-002	1.91	M	2.47	2.50	0.690	mg/L	NC	NC	NC
QC13010467	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1301146-001	2.54	SC	2.85	2.98	0.690	mg/L	NC	NC	NC
QC13010467	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1301187-001	<0.100		0.740	0.769	0.690	mg/L	98	102	4 %
QC13010518	MS 1	Uranium, Dissolved	EPA 200.8	1301202-001	0.0060		0.0165	0.0163	0.010	mg/L	105	103	1 %
		Mercury, Dissolved	EPA 200.8	1301202-001	<0.00010		0.000950	0.000944	0.001	mg/L	93	92	1 %
		Antimony, Dissolved	EPA 200.8	1301202-001	<0.0025		0.0105	0.0105	0.010	mg/L	96	96	<1%
		Arsenic, Dissolved	EPA 200.8	1301202-001	0.0068		0.0585	0.0577	0.050	mg/L	103	102	1 %
		Cadmium, Dissolved	EPA 200.8	1301202-001	<0.0010		0.0095	0.0096	0.010	mg/L	94	96	1 %
		Copper, Dissolved	EPA 200.8	1301202-001	<0.0050		0.0124	0.0126	0.010	mg/L	96	97	2 %
		Lead, Dissolved	EPA 200.8	1301202-001	<0.0025		0.0095	0.0095	0.010	mg/L	95	95	<1%
		Selenium, Dissolved	EPA 200.8	1301202-001	<0.0050		0.0470	0.0471	0.050	mg/L	93	93	<1%
		Thallium, Dissolved	EPA 200.8	1301202-001	<0.0010		0.0095	0.0095	0.010	mg/L	95	95	<1%
		Aluminum, Dissolved	EPA 200.7	1301202-001	<0.045		1.02	1.05	1.00	mg/L	100	103	3 %
		Barium, Dissolved	EPA 200.7	1301202-001	0.056		1.03	1.04	1.00	mg/L	97	98	1 %
		Bismuth, Dissolved	EPA 200.7	1301202-001	<0.100		0.979	0.987	1.00	mg/L	100	101	1 %
QC13010526	MS 1	Boron, Dissolved	EPA 200.7	1301202-001	0.505		1.54	1.55	1.00	mg/L	104	104	1 %
		Calcium, Dissolved	EPA 200.7	1301202-001	53.9		66.1	64.1	10.0	mg/L	122	102	3 %
		Cobalt, Dissolved	EPA 200.7	1301202-001	<0.010		0.958	0.961	1.00	mg/L	96	96	<1%
		Gallium, Dissolved	EPA 200.7	1301202-001	<0.100		1.01	1.01	1.00	mg/L	101	101	<1%
		Iron, Dissolved	EPA 200.7	1301202-001	0.134		1.11	1.11	1.00	mg/L	98	98	<1%
		Lithium, Dissolved	EPA 200.7	1301202-001	<0.100		1.02	1.02	1.00	mg/L	93	93	<1%
		Magnesium, Dissolved	EPA 200.7	1301202-001	16.7		26.3	26.1	10.0	mg/L	96	94	1 %
		Manganese, Dissolved	EPA 200.7	1301202-001	<0.005		0.945	0.959	1.00	mg/L	95	97	1 %
		Molybdenum, Dissolved	EPA 200.7	1301202-001	<0.010		0.995	0.998	1.00	mg/L	99	99	<1%
		Phosphorus, Dissolved	EPA 200.7	1301202-001	<0.500		5.30	5.33	5.00	mg/L	105	105	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Potassium, Dissolved	EPA 200.7	1301202-001	14.6	24.7	24.5	10.0	mg/L	101	99	1 %
		Scandium, Dissolved	EPA 200.7	1301202-001	<0.100	0.979	0.987	1.00	mg/L	98	99	1 %
		Silicon, Dissolved	EPA 200.7	1301202-001	26.3	35.7	34.9	10.0	mg/L	94	86	2 %
		Sodium, Dissolved	EPA 200.7	1301202-001	74.2	86.8	86.6	10.0	mg/L	126	124	<1%
		Strontium, Dissolved	EPA 200.7	1301202-001	0.371	1.41	1.40	1.00	mg/L	104	103	1 %
		Tin, Dissolved	EPA 200.7	1301202-001	<0.100	0.946	0.948	1.00	mg/L	98	98	<1%
		Titanium, Dissolved	EPA 200.7	1301202-001	<0.100	0.970	0.978	1.00	mg/L	97	98	1 %
		Vanadium, Dissolved	EPA 200.7	1301202-001	0.025	1.01	1.02	1.00	mg/L	98	99	1 %
		Zinc, Dissolved	EPA 200.7	1301202-001	<0.010	1.01	0.992	1.00	mg/L	101	99	2 %
QC13010529	MS 1	Thiocyanate	SM 4500 CN	1301186-003	1.20	2.16	2.11	0.500	mg/L	192	183	2 %
QC13010618	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1301279-002	0.111	0.994	0.929	1.00	mg/L	88	82	7 %
QC13010618	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1301186-001	<0.050	0.917	0.902	1.00	mg/L	92	90	2 %

Specializing in Soil, Hazardous Waste and Water Analysis.

1/23/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1301278

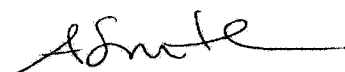
Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 1/18/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,



Andy Smith
QA Manager

Page 1 of 13

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
tel [775] 355-0202
fax [775] 355-0817

ELKO

1084 Lamoille Hwy.
Elko, Nevada 89801
tel [775] 777-9933
fax [775] 777-9933

LAS VEGAS

3230 Polaris Ave., Suite 4
Las Vegas, Nevada 89102
tel [702] 475-8899
fax [702] 776-6152

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1301278

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1301278-001 Nitrite Nitrogen, All Metals

1301278-002 Nitrite Nitrogen, All Metals

1301278-003 All Metals

The reporting limits have been adjusted accordingly.

Subcontracting Comments

The analysis for Total Organic Carbon was performed by Associated Laboratories of Orange, CA. Their report is attached.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO/Project: Eagle Gold

Date Printed: 1/23/2013

OrderID: 1301278

Customer Sample ID: 63304, 17 Jan

Collect Date/Time: 1/18/2013 08:00

WETLAB Sample ID: 1301278-001

Receive Date: 1/18/2013 09:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	4.7	mg/L	0.20	1/21/2013
Cyanate	SM 4500 CNL	5.5	mg/L	0.10	1/21/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.22	mg/L	0.050	1/22/2013
pH	SM 4500-H+ B	8.37	pH Units		1/18/2013
Trace Metals Digestion	EPA 200.2	Complete			1/21/2013
Acidity (Titrimetric)	SM 2310B	-46	mg/L as CaCO3		1/18/2013
Bicarbonate (HCO3)	SM 2320B	520	mg/L	1.0	1/18/2013
Carbonate (CO3)	SM 2320B	3.9	mg/L	1.0	1/18/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/18/2013
Total Alkalinity	SM 2320B	430	mg/L as CaCO3	1.0	1/18/2013
Redox Potential	SM 2580B	250	mV		1/18/2013
Chloride	EPA 300.0	20	mg/L	1.0	1/18/2013
Fluoride	EPA 300.0	2.2	mg/L	1.0	1/18/2013
Sulfate	EPA 300.0	1100	mg/L	10	1/18/2013
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	1/18/2013
Nitrite Nitrogen	EPA 300.0	<0.25	mg/L	0.25	1/18/2013
Total Kjeldahl Nitrogen	EPA 351.2	7.2	mg/L	1.0	1/22/2013
Total Nitrogen	Calc.	7.2	mg/L	0.10	1/22/2013
Total Cyanide	SM 4500CNC	7.0	mg/L	1.0	1/21/2013
Total Dissolved Solids (TDS)	SM 2540C	2200	mg/L	10	1/18/2013
WAD Cyanide	SM 4500CNI	1.6	mg/L	0.10	1/18/2013
Electrical Conductivity	SM 2510B	4000	µmhos/cm	1	1/18/2013
Aluminum	EPA 200.7	2.6	mg/L	0.22	1/21/2013
Barium	EPA 200.7	0.061	mg/L	0.050	1/21/2013
Beryllium	EPA 200.7	<0.0050	mg/L	0.0050	1/21/2013
Bismuth	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Boron	EPA 200.7	<0.50	mg/L	0.50	1/21/2013

Page 3 of 13

475 East Greg Street Suite #119
Sparks, NV 89431 (775) 355-0202
EPA Lab ID: NV00925 - ELAP No: 2523

1084 Lamoille Hwy
Elko, NV 89801 (775) 777-9933
EPA Lab ID: NV00926

3230 Polaris Ave #4
Las Vegas, NV 89102 (702) 475-8899
EPA Lab ID: NV00932

Customer Sample ID: 63304, 17 Jan

Collect Date/Time: 1/18/2013 08:00

WETLAB Sample ID: 1301278-001

Receive Date: 1/18/2013 09:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cadmium	EPA 200.7	<0.0050	mg/L	0.0050	1/21/2013
Calcium	EPA 200.7	45	mg/L	2.5	1/21/2013
Chromium	EPA 200.7	<0.025	mg/L	0.025	1/21/2013
Cobalt	EPA 200.7	0.20	mg/L	0.050	1/21/2013
Copper	EPA 200.7	<0.25	mg/L	0.25	1/21/2013
Gallium	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Iron	EPA 200.7	2.7	mg/L	0.050	1/21/2013
Lithium	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Magnesium	EPA 200.7	2.6	mg/L	2.5	1/21/2013
Manganese	EPA 200.7	0.084	mg/L	0.025	1/21/2013
Molybdenum	EPA 200.7	0.16	mg/L	0.050	1/21/2013
Nickel	EPA 200.7	<0.050	mg/L	0.050	1/21/2013
Phosphorus	EPA 200.7	<2.5	mg/L	2.5	1/21/2013
Potassium	EPA 200.7	9.2	mg/L	2.5	1/21/2013
Scandium	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Silver	EPA 200.7	<0.025	mg/L	0.025	1/21/2013
Sodium	EPA 200.7	700	SC mg/L	2.5	1/21/2013
Strontium	EPA 200.7	0.79	mg/L	0.50	1/21/2013
Tin	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Titanium	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Vanadium	EPA 200.7	<0.050	mg/L	0.050	1/21/2013
Zinc	EPA 200.7	0.11	mg/L	0.050	1/21/2013
Mercury	EPA 200.8	<0.0005	mg/L	0.0005	1/21/2013
Antimony	EPA 200.8	1.1	SC mg/L	0.25	1/21/2013
Arsenic	EPA 200.8	2.6	SC mg/L	0.50	1/21/2013
Lead	EPA 200.8	0.25	SC mg/L	0.012	1/21/2013
Selenium	EPA 200.8	<0.025	mg/L	0.025	1/21/2013
Thallium	EPA 200.8	<0.0050	mg/L	0.0050	1/21/2013
Anions	Calculation	32.3	meq/L	0.10	
Cations	Calculation	33.6	meq/L	0.10	
Error	Calculation	2.0	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			

Customer Sample ID: 63307, 17 Jan

Collect Date/Time: 1/18/2013 08:00

WETLAB Sample ID: 1301278-002

Receive Date: 1/18/2013 09:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	5.9	mg/L	0.10	1/21/2013

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 2523

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63307, 17 Jan

Collect Date/Time: 1/18/2013 08:00

WETLAB Sample ID: 1301278-002

Receive Date: 1/18/2013 09:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	9.2	mg/L	0.20	1/21/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.36	mg/L	0.050	1/22/2013
pH	SM 4500-H+ B	8.36	pH Units		1/18/2013
Trace Metals Digestion	EPA 200.2	Complete			1/21/2013
Acidity (Titrimetric)	SM 2310B	-63	mg/L as CaCO3		1/18/2013
Bicarbonate (HCO3)	SM 2320B	640	mg/L	1.0	1/18/2013
Carbonate (CO3)	SM 2320B	3.8	mg/L	1.0	1/18/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/18/2013
Total Alkalinity	SM 2320B	530	mg/L as CaCO3	1.0	1/18/2013
Redox Potential	SM 2580B	240	mV		1/18/2013
Chloride	EPA 300.0	21	mg/L	1.0	1/18/2013
Fluoride	EPA 300.0	2.4	mg/L	1.0	1/18/2013
Sulfate	EPA 300.0	980	mg/L	10	1/18/2013
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	1/18/2013
Nitrite Nitrogen	EPA 300.0	<0.25	mg/L	0.25	1/18/2013
Total Kjeldahl Nitrogen	EPA 351.2	7.7	mg/L	1.0	1/22/2013
Total Nitrogen	Calc.	7.7	mg/L	0.10	1/22/2013
Total Cyanide	SM 4500CNC	10	SC mg/L	1.0	1/21/2013
Total Dissolved Solids (TDS)	SM 2540C	2100	mg/L	10	1/18/2013
WAD Cyanide	SM 4500CNI	2.5	mg/L	0.25	1/18/2013
Electrical Conductivity	SM 2510B	3900	µmhos/cm	1	1/18/2013
Aluminum	EPA 200.7	2.2	mg/L	0.22	1/21/2013
Barium	EPA 200.7	0.063	mg/L	0.050	1/21/2013
Beryllium	EPA 200.7	<0.0050	mg/L	0.0050	1/21/2013
Bismuth	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Boron	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Cadmium	EPA 200.7	<0.0050	mg/L	0.0050	1/21/2013
Calcium	EPA 200.7	22	mg/L	2.5	1/21/2013
Chromium	EPA 200.7	<0.025	mg/L	0.025	1/21/2013
Cobalt	EPA 200.7	0.18	mg/L	0.050	1/21/2013
Copper	EPA 200.7	<0.25	mg/L	0.25	1/21/2013
Gallium	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Iron	EPA 200.7	3.8	mg/L	0.050	1/21/2013
Lithium	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Magnesium	EPA 200.7	2.6	mg/L	2.5	1/21/2013
Manganese	EPA 200.7	0.063	mg/L	0.025	1/21/2013
Molybdenum	EPA 200.7	0.15	mg/L	0.050	1/21/2013
Nickel	EPA 200.7	<0.050	mg/L	0.050	1/21/2013

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 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63307, 17 Jan

Collect Date/Time: 1/18/2013 08:00

WETLAB Sample ID: 1301278-002

Receive Date: 1/18/2013 09:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Phosphorus	EPA 200.7	<2.5	mg/L	2.5	1/21/2013
Potassium	EPA 200.7	7.8	mg/L	2.5	1/21/2013
Scandium	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Silver	EPA 200.7	<0.025	mg/L	0.025	1/21/2013
Sodium	EPA 200.7	740	mg/L	2.5	1/21/2013
Strontium	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Tin	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Titanium	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Vanadium	EPA 200.7	<0.050	mg/L	0.050	1/21/2013
Zinc	EPA 200.7	0.095	mg/L	0.050	1/21/2013
Mercury	EPA 200.8	<0.0005	mg/L	0.0005	1/21/2013
Antimony	EPA 200.8	1.0	mg/L	0.25	1/21/2013
Arsenic	EPA 200.8	2.9	mg/L	0.50	1/21/2013
Lead	EPA 200.8	0.24	mg/L	0.012	1/21/2013
Selenium	EPA 200.8	<0.025	mg/L	0.025	1/21/2013
Thallium	EPA 200.8	<0.0050	mg/L	0.0050	1/21/2013
Anions	Calculation	31.8	meq/L	0.10	
Cations	Calculation	34.2	meq/L	0.10	
Error	Calculation	3.5	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			

Customer Sample ID: 63319, 17 Jan

Collect Date/Time: 1/18/2013 08:00

WETLAB Sample ID: 1301278-003

Receive Date: 1/18/2013 09:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	4.3	mg/L	0.10	1/21/2013
Thiocyanate	SM 4500 CNM	15	mg/L	0.40	1/21/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.27	mg/L	0.050	1/22/2013
pH	SM 4500-H+ B	8.50	pH Units		1/18/2013
Trace Metals Digestion	EPA 200.2	Complete			1/21/2013
Acidity (Titrimetric)	SM 2310B	-65	mg/L as CaCO3		1/18/2013
Bicarbonate (HCO3)	SM 2320B	610	mg/L	1.0	1/18/2013
Carbonate (CO3)	SM 2320B	9.3	mg/L	1.0	1/18/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/18/2013
Total Alkalinity	SM 2320B	520	mg/L as CaCO3	1.0	1/18/2013
Redox Potential	SM 2580B	150	mV		1/18/2013
Chloride	EPA 300.0	380	mg/L	1.0	1/18/2013
Fluoride	EPA 300.0	1.3	mg/L	1.0	1/18/2013

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Customer Sample ID: 63319, 17 Jan

Collect Date/Time: 1/18/2013 08:00

WETLAB Sample ID: 1301278-003

Receive Date: 1/18/2013 09:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sulfate	EPA 300.0	230	mg/L	10	1/18/2013
Nitrate Nitrogen	EPA 300.0	<1.0	mg/L	1.0	1/18/2013
Nitrite Nitrogen	EPA 300.0	0.90	mg/L	0.25	1/18/2013
Total Kjeldahl Nitrogen	EPA 351.2	7.0	mg/L	1.0	1/22/2013
Total Nitrogen	Calc.	7.9	mg/L	0.10	1/22/2013
Total Cyanide	SM 4500CNC	3.2	mg/L	0.50	1/21/2013
Total Dissolved Solids (TDS)	SM 2540C	1400	mg/L	10	1/18/2013
WAD Cyanide	SM 4500CNI	0.76	mg/L	0.10	1/18/2013
Electrical Conductivity	SM 2510B	3100	µmhos/cm	1	1/18/2013
Aluminum	EPA 200.7	1.2	mg/L	0.22	1/21/2013
Barium	EPA 200.7	0.053	mg/L	0.050	1/21/2013
Beryllium	EPA 200.7	<0.0050	mg/L	0.0050	1/21/2013
Bismuth	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Boron	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Cadmium	EPA 200.7	<0.0050	mg/L	0.0050	1/21/2013
Calcium	EPA 200.7	61	mg/L	2.5	1/21/2013
Chromium	EPA 200.7	<0.025	mg/L	0.025	1/21/2013
Cobalt	EPA 200.7	0.16	mg/L	0.050	1/21/2013
Copper	EPA 200.7	<0.25	mg/L	0.25	1/21/2013
Gallium	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Iron	EPA 200.7	2.1	mg/L	0.050	1/21/2013
Lithium	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Magnesium	EPA 200.7	3.6	mg/L	2.5	1/21/2013
Manganese	EPA 200.7	0.042	mg/L	0.025	1/21/2013
Molybdenum	EPA 200.7	0.062	mg/L	0.050	1/21/2013
Nickel	EPA 200.7	<0.050	mg/L	0.050	1/21/2013
Phosphorus	EPA 200.7	<2.5	mg/L	2.5	1/21/2013
Potassium	EPA 200.7	7.5	mg/L	2.5	1/21/2013
Scandium	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Silver	EPA 200.7	<0.025	mg/L	0.025	1/21/2013
Sodium	EPA 200.7	550	mg/L	2.5	1/21/2013
Strontium	EPA 200.7	1.1	mg/L	0.50	1/21/2013
Tin	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Titanium	EPA 200.7	<0.50	mg/L	0.50	1/21/2013
Vanadium	EPA 200.7	<0.050	mg/L	0.050	1/21/2013
Zinc	EPA 200.7	0.11	mg/L	0.050	1/21/2013
Mercury	EPA 200.8	<0.0020	mg/L	0.0020	1/21/2013
Antimony	EPA 200.8	0.61	mg/L	0.25	1/21/2013

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Customer Sample ID: 63319, 17 Jan

Collect Date/Time: 1/18/2013 08:00

WETLAB Sample ID: 1301278-003

Receive Date: 1/18/2013 09:50

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Arsenic	EPA 200.8	5.5	mg/L	0.50	1/21/2013
Lead	EPA 200.8	0.15	mg/L	0.012	1/21/2013
Selenium	EPA 200.8	<0.025	mg/L	0.025	1/21/2013
Thallium	EPA 200.8	<0.0050	mg/L	0.0050	1/21/2013
Anions	Calculation	25.9	meq/L	0.10	
Cations	Calculation	27.7	meq/L	0.10	
Error	Calculation	3.3	%	1.0	
Total Organic Carbon (TOC)	N/A	See Attached			

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13010563	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13010571	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010571	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010575	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13010575	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13010575	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13010579	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13010579	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13010579	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13010583	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010583	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010583	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010589	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010589	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010589	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010592	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13010592	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13010592	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13010600	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13010600	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13010603	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13010603	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13010609	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010609	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010611	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC13010614	Blank 1	Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13010614	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13010617	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
QC13010656	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13010656	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13010656	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13010656	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13010669	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010669	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010669	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13010548	LCS 1	Redox Potential	SM 2580B	223	221	101	mV
QC13010563	LCS 1	Electrical Conductivity	SM 2510B	1375	1412	97	µmhos/cm
QC13010571	LCS 1	WAD Cyanide	SM 4500CNI	0.098	0.100	98	mg/L
QC13010574	LCS 1	pH	SM 4500-H+ B	7.02	7.00	100	pH Units
QC13010574	LCS 2	pH	SM 4500-H+ B	7.02	7.00	100	pH Units
QC13010574	LCS 3	pH	SM 4500-H+ B	7.02	7.00	100	pH Units
QC13010574	LCS 4	pH	SM 4500-H+ B	7.02	7.00	100	pH Units
QC13010575	LCS 1	Fluoride	EPA 300.0	1.97	2.00	98	mg/L
QC13010579	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC13010582	LCS 1	Total Alkalinity	SM 2320B	99.5	100	99	mg/L
QC13010582	LCS 2	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13010582	LCS 3	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13010582	LCS 4	Total Alkalinity	SM 2320B	99.8	100	100	mg/L
QC13010582	LCS 5	Total Alkalinity	SM 2320B	100	100	100	mg/L
QC13010583	LCS 1	Nitrite Nitrogen	EPA 300.0	0.542	0.500	108	mg/L
QC13010589	LCS 1	Nitrate Nitrogen	EPA 300.0	1.97	2.00	99	mg/L
QC13010592	LCS 1	Sulfate	EPA 300.0	24.3	25.0	97	mg/L
QC13010603	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L
QC13010603	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	148	150	99	mg/L
QC13010609	LCS 1	Total Cyanide	SM 4500CNC	0.100	0.100	100	mg/L
QC13010611	LCS 1	Aluminum	EPA 200.7	0.985	1.00	98	mg/L
		Barium	EPA 200.7	1.03	1.00	103	mg/L
		Beryllium	EPA 200.7	0.986	1.00	99	mg/L
		Bismuth	EPA 200.7	1.07	1.00	107	mg/L
		Boron	EPA 200.7	0.986	1.00	99	mg/L
		Cadmium	EPA 200.7	1.05	1.00	105	mg/L
		Calcium	EPA 200.7	10.3	10.0	103	mg/L
		Chromium	EPA 200.7	1.00	1.00	100	mg/L
		Cobalt	EPA 200.7	1.04	1.00	104	mg/L
		Copper	EPA 200.7	4.79	5.00	96	mg/L
		Gallium	EPA 200.7	1.01	1.00	101	mg/L
		Iron	EPA 200.7	1.00	1.00	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
		Lithium	EPA 200.7	0.978	1.00	98	mg/L
		Magnesium	EPA 200.7	10.2	10.0	102	mg/L
		Manganese	EPA 200.7	0.982	1.00	98	mg/L
		Molybdenum	EPA 200.7	1.02	1.00	102	mg/L
		Nickel	EPA 200.7	5.24	5.00	105	mg/L
		Phosphorus	EPA 200.7	5.28	5.00	106	mg/L
		Potassium	EPA 200.7	9.92	10.0	99	mg/L
		Scandium	EPA 200.7	1.00	1.00	100	mg/L
		Silver	EPA 200.7	0.088	0.090	98	mg/L
		Sodium	EPA 200.7	9.64	10.0	96	mg/L
		Strontium	EPA 200.7	0.985	1.00	98	mg/L
		Tin	EPA 200.7	0.983	1.00	98	mg/L
		Titanium	EPA 200.7	0.939	1.00	94	mg/L
		Vanadium	EPA 200.7	1.03	1.00	103	mg/L
		Zinc	EPA 200.7	1.08	1.00	108	mg/L
QC13010614	LCS 1	Cyanate	SM 4500 CNL	0.998	1.00	100	mg/L
QC13010617	LCS 1	Mercury	EPA 200.8	0.001014	0.001	101	mg/L
		Antimony	EPA 200.8	0.0094	0.010	94	mg/L
		Arsenic	EPA 200.8	0.0491	0.050	98	mg/L
		Lead	EPA 200.8	0.0099	0.010	99	mg/L
		Selenium	EPA 200.8	0.0468	0.050	94	mg/L
		Thallium	EPA 200.8	0.0100	0.010	100	mg/L
QC13010656	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.643	0.690	93	mg/L
QC13010656	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.700	0.690	101	mg/L
QC13010669	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.965	1.00	96	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13010548	Duplicate	Redox Potential	SM 2580B	1301278-001	254	251	mV	1 %
QC13010563	Duplicate	Electrical Conductivity	SM 2510B	1301186-002	1303	1298	µmhos/cm	<1%
QC13010574	Duplicate	pH	SM 4500-H+ B	1301275-001	7.99	8.00	pH Units	<1%
QC13010574	Duplicate	pH	SM 4500-H+ B	1301278-001	8.37	8.37	pH Units	<1%
QC13010574	Duplicate	pH	SM 4500-H+ B	1301278-002	8.36	8.35	pH Units	<1%
QC13010574	Duplicate	pH	SM 4500-H+ B	1301285-001	8.02	7.66	pH Units	5 %
QC13010574	Duplicate	pH	SM 4500-H+ B	1301287-006	7.34	7.41	pH Units	1 %
QC13010574	Duplicate	pH	SM 4500-H+ B	1301289-001	9.73	9.78	pH Units	1 %
QC13010574	Duplicate	pH	SM 4500-H+ B	1301290-002	7.06	7.11	pH Units	1 %
QC13010582	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1301275-001	180	181	mg/L	<1%
		Carbonate (CO ₃)	SM 2320B	1301275-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301275-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301275-001	148	148	mg/L as CaCO ₃	<1%
QC13010582	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1301278-001	516	516	mg/L	<1%
		Carbonate (CO ₃)	SM 2320B	1301278-001	3.89	3.29	mg/L	17 %
		Hydroxide (OH)	SM 2320B	1301278-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301278-001	429	429	mg/L as CaCO ₃	<1%
QC13010582	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1301278-002	637	641	mg/L	1 %
		Carbonate (CO ₃)	SM 2320B	1301278-002	3.77	3.48	mg/L	8 %
		Hydroxide (OH)	SM 2320B	1301278-002	<1.000	<1.000	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13010582	Duplicate	Total Alkalinity	SM 2320B	1301278-002	529	531	mg/L as CaCO3	1 %
		Bicarbonate (HCO3)	SM 2320B	1301285-001	47.4	45.7	mg/L	4 %
		Carbonate (CO3)	SM 2320B	1301285-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301285-001	<1.000	<1.000	mg/L	<1%
QC13010582	Duplicate	Total Alkalinity	SM 2320B	1301285-001	38.8	37.4	mg/L as CaCO3	4 %
		Bicarbonate (HCO3)	SM 2320B	1301287-006	36.9	36.9	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1301287-006	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301287-006	<1.000	<1.000	mg/L	<1%
QC13010582	Duplicate	Total Alkalinity	SM 2320B	1301287-006	30.2	30.3	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1301289-001	43.9	37.9	mg/L	15 %
		Carbonate (CO3)	SM 2320B	1301289-001	83.1	86.9	mg/L	5 %
		Hydroxide (OH)	SM 2320B	1301289-001	<1.000	<1.000	mg/L	<1%
QC13010582	Duplicate	Total Alkalinity	SM 2320B	1301289-001	174	175	mg/L as CaCO3	1 %
		Bicarbonate (HCO3)	SM 2320B	1301290-002	13.2	12.9	mg/L	2 %
		Carbonate (CO3)	SM 2320B	1301290-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301290-002	<1.000	<1.000	mg/L	<1%
QC13010582	Duplicate	Total Alkalinity	SM 2320B	1301290-002	10.8	10.6	mg/L as CaCO3	2 %
		Total Dissolved Solids (TDS)	SM 2540C	1301223-002	30.0	28.0	mg/L	7 %
		Total Dissolved Solids (TDS)	SM 2540C	1301254-007	53.0	50.0	mg/L	6 %
		Total Dissolved Solids (TDS)	SM 2540C	1301270-002	270	264	mg/L	2 %
QC13010603	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301278-001	2156	2104	mg/L	2 %
QC13010614	Duplicate	Cyanate	SM 4500 CNL	1301278-003	4.27	3.51	mg/L	20 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13010571	MS 1	WAD Cyanide	SM 4500CNI	1301270-001	<0.010	0.100	0.102	0.100	mg/L	100	102	2 %
QC13010571	MS 2	WAD Cyanide	SM 4500CNI	1301275-001	<0.010	0.104	0.107	0.100	mg/L	104	107	3 %
QC13010575	MS 1	Fluoride	EPA 300.0	1301274-001	1.32	18.1	17.7	2.00	mg/L	84	82	2 %
QC13010575	MS 2	Fluoride	EPA 300.0	1301289-001	<0.500	8.70	8.69	2.00	mg/L	82	82	<1%
QC13010579	MS 1	Chloride	EPA 300.0	1301263-001	<1.000	5.32	5.49	5.00	mg/L	105	109	3 %
QC13010579	MS 2	Chloride	EPA 300.0	1301274-001	92.0	148	144	5.00	mg/L	111	104	3 %
QC13010583	MS 1	Nitrite Nitrogen	EPA 300.0	1301263-002	<0.025	0.585	0.600	0.500	mg/L	114	117	3 %
QC13010583	MS 2	Nitrite Nitrogen	EPA 300.0	1301283-001	<0.125	2.94	2.90	0.500	mg/L	118	116	1 %
QC13010589	MS 1	Nitrate Nitrogen	EPA 300.0	1301263-002	<1.000	2.37	2.47	2.00	mg/L	98	103	4 %
QC13010589	MS 2	Nitrate Nitrogen	EPA 300.0	1301283-001	<1.000	10.8	10.6	2.00	mg/L	104	103	2 %
QC13010592	MS 1	Sulfate	EPA 300.0	1301263-002	7.81	17.7	18.1	10.0	mg/L	99	102	2 %
QC13010592	MS 2	Sulfate	EPA 300.0	1301274-001	482	587	572	10.0	mg/L	105	90	3 %
QC13010600	MS 1	Thiocyanate	SM 4500 CN	1301278-003	14.7	18.5	17.6	0.500	mg/L	188	144	5 %
QC13010609	MS 1	Total Cyanide	SM 4500CNC	1301278-002	10.3	SC 10.9	11.0	0.100	mg/L	NC	NC	NC
QC13010611	MS 1	Aluminum	EPA 200.7	1301278-001	2.56	3.80	3.76	1.00	mg/L	124	120	1 %
		Barium	EPA 200.7	1301278-001	0.061	1.12	1.13	1.00	mg/L	106	107	1 %
		Beryllium	EPA 200.7	1301278-001	<0.005	1.03	1.05	1.00	mg/L	103	105	2 %
		Bismuth	EPA 200.7	1301278-001	<0.500	1.06	1.11	1.00	mg/L	106	111	5 %
		Boron	EPA 200.7	1301278-001	<0.500	1.18	1.18	1.00	mg/L	104	104	<1%
		Cadmium	EPA 200.7	1301278-001	<0.005	1.04	1.05	1.00	mg/L	104	105	1 %
		Calcium	EPA 200.7	1301278-001	44.9	56.5	54.5	10.0	mg/L	116	96	4 %
		Chromium	EPA 200.7	1301278-001	<0.025	1.03	1.05	1.00	mg/L	103	105	2 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13010617	MS 1	Cobalt	EPA 200.7	1301278-001	0.195	1.24	1.22	1.00	mg/L	104	102	2 %
		Copper	EPA 200.7	1301278-001	<0.250	4.81	4.89	5.00	mg/L	96	97	2 %
		Gallium	EPA 200.7	1301278-001	<0.500	1.06	1.07	1.00	mg/L	104	105	1 %
		Iron	EPA 200.7	1301278-001	2.66	3.37	3.27	1.00	mg/L	71	61	3 %
		Lithium	EPA 200.7	1301278-001	<0.500	1.04	1.05	1.00	mg/L	101	102	1 %
		Magnesium	EPA 200.7	1301278-001	2.60	13.5	13.1	10.0	mg/L	109	105	3 %
		Manganese	EPA 200.7	1301278-001	0.084	1.08	1.11	1.00	mg/L	100	103	3 %
		Molybdenum	EPA 200.7	1301278-001	0.155	1.23	1.23	1.00	mg/L	108	108	<1%
		Nickel	EPA 200.7	1301278-001	<0.050	5.37	5.36	5.00	mg/L	107	107	<1%
		Phosphorus	EPA 200.7	1301278-001	<2.500	6.34	6.20	5.00	mg/L	109	106	2 %
		Potassium	EPA 200.7	1301278-001	9.20	20.0	19.7	10.0	mg/L	108	105	2 %
		Scandium	EPA 200.7	1301278-001	<0.500	1.04	1.04	1.00	mg/L	104	104	<1%
		Silver	EPA 200.7	1301278-001	<0.025	0.087	0.087	0.090	mg/L	98	98	<1%
		Sodium	EPA 200.7	1301278-001	705	SC 733	739	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1301278-001	0.788	1.83	1.88	1.00	mg/L	104	109	3 %
		Tin	EPA 200.7	1301278-001	<0.500	0.984	1.00	1.00	mg/L	101	103	2 %
		Titanium	EPA 200.7	1301278-001	<0.500	1.01	1.04	1.00	mg/L	98	101	3 %
		Vanadium	EPA 200.7	1301278-001	<0.050	1.11	1.11	1.00	mg/L	108	108	<1%
		Zinc	EPA 200.7	1301278-001	0.114	1.29	1.25	1.00	mg/L	118	114	3 %
		Mercury	EPA 200.8	1301278-001	<0.00050	0.001200	0.001300	0.001	mg/L	80	90	8 %
		Antimony	EPA 200.8	1301278-001	1.0759	SC 1.1226	1.0404	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1301278-001	2.5945	SC 2.7270	2.5808	0.050	mg/L	NC	NC	NC
		Lead	EPA 200.8	1301278-001	0.2520	SC 0.2820	0.2773	0.010	mg/L	NC	NC	NC
		Selenium	EPA 200.8	1301278-001	<0.0250	0.0642	0.0632	0.050	mg/L	108	106	2 %
		Thallium	EPA 200.8	1301278-001	<0.0050	0.0091	0.0092	0.010	mg/L	91	92	1 %
QC13010656	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1301254-013	<0.100	0.682	0.715	0.690	mg/L	99	104	5 %
QC13010656	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1301276-001	8.79	SC 9.19	9.41	0.690	mg/L	NC	NC	NC
QC13010656	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1301272-001	0.540	1.21	1.20	0.690	mg/L	98	95	1 %
QC13010669	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1301268-001	<0.050	1.01	1.05	1.00	mg/L	101	105	4 %
QC13010669	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1301225-003		0.906	0.973	1.00	mg/L	91	97	7 %



Associated Laboratories

806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
Info@associatedlabs.com



Client: Western Environmental Testing Lab.
Address: 475 E. Greg St
Suite 119
Sparks, NV 89431
Attn: Scott Thompson

Lab Request: 317037
Report Date: 01/21/2013
Date Received: 01/19/2013

Client ID: 10124

Comments: Job #1301278

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

<u>Sample #</u>	<u>Client Sample ID</u>
317037-001	63304, 17 Jan.
317037-002	63307, 17 Jan.
317037-003	63319, 17 Jan.

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Benare, Ph.D.
Lab Director

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water Client: Western Environmental Testing Lab Collector: Client
 Sampled: 01/18/2013 08:00 Site: Notes:
 Sample #: 317037-001 Client Sample #: 63304 17 Jan

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method		QCBatchID: QC1133267				
Total Organic Carbon (TOC)	20.7	2	1	mg/L	01/21/13	quang	

Matrix: Water Client: Western Environmental Testing Lab Collector: Client
 Sampled: 01/18/2013 08:00 Site: Notes:
 Sample #: 317037-002 Client Sample #: 63307 17 Jan

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method		QCBatchID: QC1133267				
Total Organic Carbon (TOC)	22.6	2	1	mg/L	01/21/13	quang	

Matrix: Water Client: Western Environmental Testing Lab Collector: Client
 Sampled: 01/18/2013 08:00 Site: Notes:
 Sample #: 317037-003 Client Sample #: 63319 17 Jan

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method		QCBatchID: QC1133267				
Total Organic Carbon (TOC)	36.1	2	1	mg/L	01/21/13	quang	

ND = Not Detected or < RDL

RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report
 Lab Request 317037 Page 2 of 2



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #317037

QCBatchID: QC1133267	Analyst: guang	Method: SM 5310B
Matrix: Water	Analyzed: 01/21/2013	Instrument: TOC-BIO(group)

Blank Summary						
Analyte	Blank Result	Units		RDL	Notes	
QC1133267MB1						
Total Organic Carbon (TOC)	ND	mg/L		0.5		

Lab Control Spike/Lab Control Spike Duplicate Summary											
Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1133267LCS1											
Total Organic Carbon (TOC)	10		10.1		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary											
Analyte	Sample	Spike Amount		Spike Result		Units	Recoveries		Limits		Notes
	Amount	MS	MSD	MS	MSD		MS	MSD	RPD	%Rec	
QC1133267MS1, QC1133267MSD1											Source: 317038-001
Total Organic Carbon (TOC)	1.5	10	10	11.7	11.5	mg/L	102	100	1.7	80-120	20

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report
Lab Request 317037 Page 1 of 2



Notes and Definitions

B	Analyte was present in an associated method blank. Associated sample data was reported with qualifier.
C	Laboratory Contamination.
D	The sample duplicate RPD was not within control limits, the sample data was reported without further clarification.
DF	Dilution Factor
DW	Sample result is calculated on a dry weigh basis
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
MDL	Method Detection Limit
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
ND	Analyte was not detected or was less than the detection limit.
P	Sample was received without proper preservation according to EPA guidelines.
RDL	Reporting Detection Limit
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
T	Sample was extracted/analyzed past the holding time.
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 317037 Page 2 of 2



**ASSOCIATED LABORATORIES**

806 North Batavia – Orange, California 92868 – 714-771-6900

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: <u>Wet Lab</u>	Project: _____
Date Received: <u>01-19-13</u>	Sampler's Name: <u>Yes</u> No
Sample(s) received in cooler: <u>Yes</u>	No (Skip Section 2)
Shipping Information: <u>ON TRAC D100 105 450 97324</u>	

Section 2	
Was the cooler packed with:	☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam
	☒ Paper ☐ None ☐ Other _____
Cooler or box temperature:	<u>4.0C</u>
(Acceptance range is 0 to 6 Deg. C.)	

Section 3	YES	NO	N/A
Was a COC received?	☒		
Is it properly completed? (IDs, sampling date and time, signature, test)	☒		
Were custody seals present?	☒		
If Yes – were they intact?	☒		
Were all samples sealed in plastic bags?	☒		
Did all samples arrive intact? If no, indicate below.	☒		
Did all bottle labels agree with COC? (ID, dates and times)	☒		
Were correct containers used for the tests required?	☒		
Was a sufficient amount of sample sent for tests indicated?	☒		
Was there headspace in VOA vials?		☒	
Were the containers labeled with correct preservatives?	☒		
Was total residual chlorine measured (Fish Bioassay samples only)? *			☒

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N N/A

Completed By: M. Schut Date: 01/19/13



CHAIN OF CUSTODY RECORD

317037

Assoc

Western Environmental Testing Laboratory 475 E. Greg Street #119 Sparks, NV 89431 Scott Thompson Ph: (775) 355-0202 scott@wetlaboratory.com Fax: (775) 355-0817		Total # of sample containers 3		Samplers Initials		All Samples Refrigerated?: Y ☒ N ☐	
Sample Receipt Condition:		System		Compliance: Y ☒ N ☐		CA Write ON: Y ☒ N ☐	
Temperature:		Job ID 1301278		QC: Y ☒ N ☐		Water System #:	
Notes: SAFE DAY		Notes: UNITED VOLUME		Date:		Time:	
SIGNATURE OF COMPANY REPRESENTATIVE:							
Set Date	Sample ID - Site ID	Matrix	Parameter	Container Type	Preservatives		
1/18/2013	63304, 17 Jan -	Waste Water	Total Organic Carbon (TOC)				
8:00 AM							
1/18/2013	63307, 17 Jan -	Waste Water	Total Organic Carbon (TOC)				
8:00 AM							
1/18/2013	63319, 17 Jan -	Waste Water	Total Organic Carbon (TOC)				
8:00 AM							
Relinquished by: (Signature)		Date: 1/18/13	Time: 1000	Received by: (Signature) OUTRAC	Date: 1/18/13	Time: 1630	Sample Type: Composite
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature) M. G. Gend	Date: 01/19/13	Time: 10:45	Sample Type: Composite
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)	Date:	Time:	Sample Type: Composite



WETLAB

WESTERN ENVIRONMENTAL
TESTING LABORATORY

Specializing in Soil, Hazardous Waste and Water Analysis.

475 E. Greg Street #119 | Sparks, Nevada 89431

tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

Lab Number

1301278

Report

Due Date

1/21/13

Page

of

1

Client

KCA

Address

City, State & Zip

Contact

Phone

Collector's Name Scott Larsen

Fax

PWS/Project Name Eagle Gold

P.O. Number

PWS/Project Number

Email

Billing Address (If different than Client Address)

Company

Address

City, State & Zip

Contact

Phone

Fax

Email

Turnaround Time Requirements

Standard

~~3 Day~~

3-Day*

please rush

48 Hour*

24 Hour*

*Surcharges Will Apply

Samples Collected From Which State?

NV CA

Other

Report Results Via

Fax Mail Only

PDF EDD

Other:

Compliance Monitoring?

Yes No

Report to State EPA?

Yes No

Standard QC Required?

Yes No

Analyses Requested

NO. OF
SAMPLE
CONTAINERS
TYPE

Profile #
Wet & Total Cu
Total organic Carbon
CNO, SCN
Nitrate Nitrogen
Nitrite Nitrogen
Total Nitrogen (calc)
Total Kjeldahl Nitrogen

Spl.
No.

SAMPLE ID/LOCATION

DATE

TIME

63304, 17 Jan

18 Jan 8:00

63307, 17 Jan

63319, 17 Jan

1301 1

278 3

Instructions/Comments/Special Requirements:

Sample Matrix/
Type Key**

DW = Drinking Water WW = Wastewater SW = Surface Water MW = Monitoring Well SD = Solid/Sludge SO = Soil HW = Hazardous Waste OTHER:

SAMPLE RECEIPT

DATE

TIME

Samples Relinquished By

Samples Received By

Temperature 21.2 °C

18 Jan

9:50

Custody Seals Intact? Y N None

Number of Containers 6

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compensation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

1/28/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1301295

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 1/21/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1301295

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Mercury on sample 1301295-001 as well as Aluminum on sample 1301295-003 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1301295-001 Mercury

1301295-002 Mercury

1301295-003 Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 1/28/2013

OrderID: 1301295

Customer Sample ID: 63301 21 Jan

Collect Date/Time: 1/21/2013 11:10

WETLAB Sample ID: 1301295-001

Receive Date: 1/21/2013 11:55

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.2	mg/L	0.10	1/25/2013
Thiocyanate	SM 4500 CNM	1.3	mg/L	0.20	1/24/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	1/25/2013
pH	SM 4500-H+ B	8.76	pH Units		1/21/2013
Trace Metals Digestion	EPA 200.2	Complete			1/22/2013
Acidity (Titrimetric)	SM 2310B	-60	mg/L as CaCO3		1/23/2013
Bicarbonate (HCO3)	SM 2320B	490	mg/L	1.0	1/21/2013
Carbonate (CO3)	SM 2320B	20	mg/L	1.0	1/21/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/21/2013
Total Alkalinity	SM 2320B	440	mg/L as CaCO3	1.0	1/21/2013
Redox Potential	SM 2580B	280	mV		1/22/2013
Chloride	EPA 300.0	0.13	mg/L	0.10	1/21/2013
Fluoride	EPA 300.0	1.3	mg/L	0.10	1/21/2013
Sulfate	EPA 300.0	71	mg/L	1.0	1/21/2013
Nitrate Nitrogen	EPA 300.0	0.35	mg/L	0.10	1/21/2013
Nitrite Nitrogen	EPA 300.0	0.034	mg/L	0.025	1/21/2013
Total Kjeldahl Nitrogen	EPA 351.2	1.0	mg/L	0.10	1/22/2013
Total Nitrogen	Calc.	1.4	mg/L	0.10	1/22/2013
Total Cyanide	SM 4500CNC	0.36	mg/L	0.050	1/22/2013
Total Dissolved Solids (TDS)	SM 2540C	660	mg/L	10	1/22/2013
WAD Cyanide	SM 4500CNI	0.015	mg/L	0.010	1/22/2013
Electrical Conductivity	SM 2510B	980	µmhos/cm	1	1/24/2013
Aluminum	EPA 200.7	2.7	mg/L	0.045	1/23/2013
Barium	EPA 200.7	0.030	mg/L	0.010	1/23/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/23/2013
Boron	EPA 200.7	0.059	mg/L	0.020	1/23/2013
Calcium	EPA 200.7	6.2	mg/L	0.50	1/23/2013

Customer Sample ID: 63301 21 Jan

Collect Date/Time: 1/21/2013 11:10

WETLAB Sample ID: 1301295-001

Receive Date: 1/21/2013 11:55

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.0028	mg/L	0.0020	1/23/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/23/2013
Iron	EPA 200.7	1.7	mg/L	0.010	1/23/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	1/23/2013
Magnesium	EPA 200.7	0.61	mg/L	0.50	1/23/2013
Manganese	EPA 200.7	0.048	mg/L	0.0050	1/23/2013
Molybdenum	EPA 200.7	0.012	mg/L	0.010	1/23/2013
Phosphorus	EPA 200.7	0.91	mg/L	0.50	1/23/2013
Potassium	EPA 200.7	3.7	mg/L	0.50	1/23/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	1/23/2013
Silicon	EPA 200.7	19	mg/L	0.10	1/23/2013
Sodium	EPA 200.7	210	mg/L	0.50	1/23/2013
Strontium	EPA 200.7	0.096	mg/L	0.0020	1/23/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/23/2013
Titanium	EPA 200.7	0.045	mg/L	0.0050	1/23/2013
Vanadium	EPA 200.7	0.026	mg/L	0.010	1/23/2013
Zinc	EPA 200.7	0.033	mg/L	0.010	1/23/2013
Mercury	EPA 200.8	<0.0007 M	mg/L	0.0007	1/23/2013
Antimony	EPA 200.8	0.59 SC	mg/L	0.010	1/23/2013
Arsenic	EPA 200.8	4.2 SC	mg/L	0.050	1/23/2013
Beryllium	EPA 200.8	<0.0002	mg/L	0.0002	1/25/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	1/25/2013
Chromium	EPA 200.8	0.0016	mg/L	0.0010	1/25/2013
Copper	EPA 200.8	0.027	mg/L	0.0050	1/25/2013
Lead	EPA 200.8	0.21 SC	mg/L	0.010	1/23/2013
Nickel	EPA 200.8	0.0044	mg/L	0.0020	1/25/2013
Selenium	EPA 200.8	0.012	mg/L	0.0050	1/25/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	1/25/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/25/2013
Uranium	EPA 200.8	0.10	mg/L	0.0050	1/25/2013
Anions	Calculation	10.3	meq/L	0.10	
Cations	Calculation	9.98	meq/L	0.10	
Error	Calculation	1.4	%	1.0	

Customer Sample ID: 63316 21 Jan

Collect Date/Time: 1/21/2013 11:10

WETLAB Sample ID: 1301295-002

Receive Date: 1/21/2013 11:55

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.67	mg/L	0.20	1/24/2013
Cyanate	SM 4500 CNL	2.7	mg/L	0.10	1/25/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	1/25/2013
pH	SM 4500-H+ B	8.81	pH Units		1/21/2013
Trace Metals Digestion	EPA 200.2	Complete			1/22/2013
Acidity (Titrimetric)	SM 2310B	-86	mg/L as CaCO3		1/23/2013
Bicarbonate (HCO3)	SM 2320B	490	mg/L	1.0	1/21/2013
Carbonate (CO3)	SM 2320B	25	mg/L	1.0	1/21/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/21/2013
Total Alkalinity	SM 2320B	440	mg/L as CaCO3	1.0	1/21/2013
Redox Potential	SM 2580B	310	mV		1/22/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	1/21/2013
Fluoride	EPA 300.0	1.3	mg/L	0.10	1/21/2013
Sulfate	EPA 300.0	130	mg/L	1.0	1/21/2013
Nitrate Nitrogen	EPA 300.0	0.022	mg/L	0.010	1/21/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	1/21/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.46	mg/L	0.10	1/22/2013
Total Nitrogen	Calc.	0.46	mg/L	0.10	1/22/2013
Total Cyanide	SM 4500CNC	0.087	mg/L	0.010	1/22/2013
Total Dissolved Solids (TDS)	SM 2540C	720	mg/L	10	1/22/2013
WAD Cyanide	SM 4500CNI	0.010	mg/L	0.010	1/22/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	1/24/2013
Aluminum	EPA 200.7	1.9	mg/L	0.045	1/23/2013
Barium	EPA 200.7	0.021	mg/L	0.010	1/23/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/23/2013
Boron	EPA 200.7	0.037	mg/L	0.020	1/23/2013
Calcium	EPA 200.7	5.1	mg/L	0.50	1/23/2013
Cobalt	EPA 200.7	0.0022	mg/L	0.0020	1/23/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/23/2013
Iron	EPA 200.7	1.2	mg/L	0.010	1/23/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	1/23/2013
Magnesium	EPA 200.7	0.36	mg/L	0.25	1/23/2013
Manganese	EPA 200.7	0.028	mg/L	0.0050	1/23/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	1/23/2013
Phosphorus	EPA 200.7	0.54	mg/L	0.50	1/23/2013
Potassium	EPA 200.7	3.6	mg/L	0.50	1/23/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	1/23/2013
Silicon	EPA 200.7	15	mg/L	0.10	1/23/2013

Customer Sample ID: 63316 21 Jan

Collect Date/Time: 1/21/2013 11:10

WETLAB Sample ID: 1301295-002

Receive Date: 1/21/2013 11:55

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	240	mg/L	0.50	1/23/2013
Strontium	EPA 200.7	0.069	mg/L	0.0020	1/23/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/23/2013
Titanium	EPA 200.7	0.035	mg/L	0.0050	1/23/2013
Vanadium	EPA 200.7	0.023	mg/L	0.010	1/23/2013
Zinc	EPA 200.7	0.032	mg/L	0.010	1/23/2013
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	1/23/2013
Antimony	EPA 200.8	0.54	mg/L	0.010	1/23/2013
Arsenic	EPA 200.8	3.5	mg/L	0.050	1/23/2013
Beryllium	EPA 200.8	<0.0002	mg/L	0.0002	1/25/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	1/25/2013
Chromium	EPA 200.8	<0.0010	mg/L	0.0010	1/25/2013
Copper	EPA 200.8	0.070	mg/L	0.0050	1/25/2013
Lead	EPA 200.8	0.17	mg/L	0.010	1/23/2013
Nickel	EPA 200.8	0.0029	mg/L	0.0020	1/25/2013
Selenium	EPA 200.8	0.011	mg/L	0.0050	1/25/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	1/25/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/25/2013
Uranium	EPA 200.8	0.096	mg/L	0.0050	1/25/2013
Anions	Calculation	11.6	meq/L	0.10	
Cations	Calculation	11.1	meq/L	0.10	
Error	Calculation	2.5	%	1.0	

Customer Sample ID: 63322 21 Jan

Collect Date/Time: 1/21/2013 11:10

WETLAB Sample ID: 1301295-003

Receive Date: 1/21/2013 11:55

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	2.8	mg/L	0.10	1/25/2013
Thiocyanate	SM 4500 CNM	1.0	mg/L	0.20	1/24/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	1/25/2013
pH	SM 4500-H+ B	8.85	pH Units		1/21/2013
Trace Metals Digestion	EPA 200.2	Complete			1/22/2013
Acidity (Titrimetric)	SM 2310B	-101	mg/L as CaCO3		1/23/2013
Bicarbonate (HCO3)	SM 2320B	650	mg/L	1.0	1/21/2013
Carbonate (CO3)	SM 2320B	35	mg/L	1.0	1/21/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/21/2013
Total Alkalinity	SM 2320B	590	mg/L as CaCO3	1.0	1/21/2013
Redox Potential	SM 2580B	330	mV		1/22/2013

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Customer Sample ID: 63322 21 Jan

Collect Date/Time: 1/21/2013 11:10

WETLAB Sample ID: 1301295-003

Receive Date: 1/21/2013 11:55

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	0.25	mg/L	0.10	1/21/2013
Fluoride	EPA 300.0	1.1	mg/L	0.10	1/21/2013
Sulfate	EPA 300.0	23	mg/L	1.0	1/21/2013
Nitrate Nitrogen	EPA 300.0	0.034	mg/L	0.010	1/21/2013
Nitrite Nitrogen	EPA 300.0	0.046	mg/L	0.025	1/21/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.64	mg/L	0.10	1/22/2013
Total Nitrogen	Calc.	0.68	mg/L	0.10	1/22/2013
Total Cyanide	SM 4500CNC	0.041	mg/L	0.010	1/22/2013
Total Dissolved Solids (TDS)	SM 2540C	720	mg/L	10	1/22/2013
WAD Cyanide	SM 4500CNI	0.015	mg/L	0.010	1/22/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	1/24/2013
Aluminum	EPA 200.7	2.1	M mg/L	0.045	1/23/2013
Barium	EPA 200.7	0.025	mg/L	0.010	1/23/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/23/2013
Boron	EPA 200.7	0.11	mg/L	0.100	1/23/2013
Calcium	EPA 200.7	5.1	mg/L	0.50	1/23/2013
Cobalt	EPA 200.7	0.0044	mg/L	0.0020	1/23/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/23/2013
Iron	EPA 200.7	1.1	mg/L	0.010	1/23/2013
Lithium	EPA 200.7	0.052	mg/L	0.020	1/23/2013
Magnesium	EPA 200.7	0.60	mg/L	0.50	1/23/2013
Manganese	EPA 200.7	0.033	mg/L	0.0050	1/23/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	1/23/2013
Phosphorus	EPA 200.7	0.48	mg/L	0.10	1/23/2013
Potassium	EPA 200.7	3.4	mg/L	0.50	1/23/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	1/23/2013
Silicon	EPA 200.7	18	mg/L	0.10	1/23/2013
Sodium	EPA 200.7	240	mg/L	0.50	1/23/2013
Strontium	EPA 200.7	0.076	mg/L	0.0020	1/23/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/23/2013
Titanium	EPA 200.7	0.072	mg/L	0.0050	1/23/2013
Vanadium	EPA 200.7	0.024	mg/L	0.010	1/23/2013
Zinc	EPA 200.7	0.041	mg/L	0.010	1/23/2013
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	1/23/2013
Antimony	EPA 200.8	0.29	SC mg/L	0.010	1/23/2013
Arsenic	EPA 200.8	3.2	SC mg/L	0.050	1/23/2013
Beryllium	EPA 200.8	0.00046	mg/L	0.0002	1/25/2013
Cadmium	EPA 200.8	0.00041	mg/L	0.0002	1/25/2013

Customer Sample ID: 63322 21 Jan

Collect Date/Time: 1/21/2013 11:10

WETLAB Sample ID: 1301295-003

Receive Date: 1/21/2013 11:55

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.8	0.0025	mg/L	0.0010	1/25/2013
Copper	EPA 200.8	0.14	SC mg/L	0.0050	1/25/2013
Lead	EPA 200.8	0.21	SC mg/L	0.010	1/23/2013
Nickel	EPA 200.8	0.0028	mg/L	0.0020	1/25/2013
Selenium	EPA 200.8	0.012	mg/L	0.0050	1/25/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	1/25/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/25/2013
Uranium	EPA 200.8	0.053	SC mg/L	0.0050	1/25/2013
Anions	Calculation	12.4	meq/L	0.10	
Cations	Calculation	11.1	meq/L	0.10	
Error	Calculation	5.3	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13010629	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13010629	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13010629	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13010631	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13010631	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13010631	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13010635	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010635	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010635	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010636	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010636	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010638	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13010638	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13010638	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13010656	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13010656	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13010656	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13010656	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13010665	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010665	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010666	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010666	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010699	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Beryllium	EPA 200.8	<0.00100	mg/L
		Cadmium	EPA 200.8	<0.00100	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.0100	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.00500	mg/L
		Thallium	EPA 200.8	<0.00100	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC13010706	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.100	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.0100	mg/L
		Gallium	EPA 200.7	<0.100	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.100	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.1000	mg/L
		Tin	EPA 200.7	<0.100	mg/L
		Titanium	EPA 200.7	<0.1000	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13010723	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13010723	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13010736	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13010737	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13010737	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13010757	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010757	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010757	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010776	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13010776	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13010629	LCS 1	Fluoride	EPA 300.0	2.08	2.00	104	mg/L
QC13010631	LCS 1	Chloride	EPA 300.0	9.61	10.0	96	mg/L
QC13010634	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13010634	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13010634	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13010635	LCS 1	Nitrite Nitrogen	EPA 300.0	0.517	0.500	103	mg/L
QC13010636	LCS 1	Nitrate Nitrogen	EPA 300.0	1.97	2.00	99	mg/L
QC13010638	LCS 1	Sulfate	EPA 300.0	23.5	25.0	94	mg/L
QC13010641	LCS 1	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13010641	LCS 2	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13010641	LCS 3	Total Alkalinity	SM 2320B	99.7	100	100	mg/L
QC13010656	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.643	0.690	93	mg/L
QC13010656	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.700	0.690	101	mg/L
QC13010657	LCS 1	Redox Potential	SM 2580B	221	221	100	mV
QC13010665	LCS 1	Total Cyanide	SM 4500CNC	0.099	0.100	99	mg/L
QC13010666	LCS 1	WAD Cyanide	SM 4500CNI	0.098	0.100	98	mg/L
QC13010699	LCS 1	Mercury	EPA 200.8	0.000934	0.001	93	mg/L
		Antimony	EPA 200.8	0.0091	0.010	90	mg/L
		Arsenic	EPA 200.8	0.0490	0.050	98	mg/L
		Beryllium	EPA 200.8	0.0095	0.010	95	mg/L
		Cadmium	EPA 200.8	0.0097	0.010	97	mg/L
		Chromium	EPA 200.8	0.0097	0.010	97	mg/L
		Copper	EPA 200.8	0.0097	0.010	97	mg/L
		Lead	EPA 200.8	0.0092	0.010	92	mg/L
		Nickel	EPA 200.8	<0.0100	0.010	99	mg/L
		Selenium	EPA 200.8	0.0486	0.050	97	mg/L
		Silver	EPA 200.8	0.0095	0.010	95	mg/L
		Thallium	EPA 200.8	0.0092	0.010	92	mg/L
		Uranium	EPA 200.8	0.0092	0.010	92	mg/L
QC13010706	LCS 1	Aluminum	EPA 200.7	0.983	1.00	98	mg/L
		Barium	EPA 200.7	0.998	1.00	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Bismuth	EPA 200.7	1.01	1.00	101	mg/L	
		Boron	EPA 200.7	0.950	1.00	95	mg/L	
		Calcium	EPA 200.7	9.94	10.0	99	mg/L	
		Cobalt	EPA 200.7	1.00	1.00	100	mg/L	
		Gallium	EPA 200.7	0.994	1.00	99	mg/L	
		Iron	EPA 200.7	0.979	1.00	98	mg/L	
		Lithium	EPA 200.7	0.971	1.00	97	mg/L	
		Magnesium	EPA 200.7	9.78	10.0	98	mg/L	
		Manganese	EPA 200.7	0.998	1.00	100	mg/L	
		Molybdenum	EPA 200.7	0.983	1.00	98	mg/L	
		Phosphorus	EPA 200.7	5.12	5.00	102	mg/L	
		Potassium	EPA 200.7	9.89	10.0	99	mg/L	
		Scandium	EPA 200.7	0.984	1.00	98	mg/L	
		Silicon	EPA 200.7	9.19	10.0	92	mg/L	
		Sodium	EPA 200.7	9.68	10.0	97	mg/L	
		Strontium	EPA 200.7	0.974	1.00	97	mg/L	
		Tin	EPA 200.7	0.983	1.00	98	mg/L	
		Titanium	EPA 200.7	0.967	1.00	97	mg/L	
		Vanadium	EPA 200.7	0.984	1.00	98	mg/L	
		Zinc	EPA 200.7	1.03	1.00	103	mg/L	
QC13010723	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	160	150	107	mg/L	
QC13010723	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L	
QC13010736	LCS 1	Electrical Conductivity	SM 2510B	1387	1412	98	µmhos/cm	
QC13010757	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.990	1.00	99	mg/L	
QC13010757	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.812	1.00	81	mg/L	
QC13010776	LCS 1	Cyanate	SM 4500 CNL	1.06	1.00	106	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13010634	Duplicate	pH	SM 4500-H+ B	1301297-001	10.1	10.1	pH Units	<1%
QC13010634	Duplicate	pH	SM 4500-H+ B	1301299-001	10.0	10.0	pH Units	<1%
QC13010634	Duplicate	pH	SM 4500-H+ B	1301299-002	9.87	9.89	pH Units	<1%
QC13010634	Duplicate	pH	SM 4500-H+ B	1301300-001	10.3	10.3	pH Units	<1%
QC13010634	Duplicate	pH	SM 4500-H+ B	1301300-006	10.5	10.7	Q pH Units	2 %
QC13010634	Duplicate	pH	SM 4500-H+ B	1301305-002	7.43	7.43	pH Units	<1%
QC13010641	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301297-001	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1301297-001	23.1	22.4	mg/L	3 %
		Hydroxide (OH)	SM 2320B	1301297-001	1.68	2.09	Q mg/L	22 %
		Total Alkalinity	SM 2320B	1301297-001	43.2	43.4	mg/L as CaCO3	<1%
QC13010641	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301299-002	212	219	mg/L	3 %
		Carbonate (CO3)	SM 2320B	1301299-002	352	342	mg/L	3 %
		Hydroxide (OH)	SM 2320B	1301299-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301299-002	759	748	mg/L as CaCO3	1 %
QC13010641	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301300-006	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1301300-006	371	306	mg/L	19 %
		Hydroxide (OH)	SM 2320B	1301300-006	161	206	Q mg/L	25 %
		Total Alkalinity	SM 2320B	1301300-006	1089	1116	mg/L as CaCO3	2 %
QC13010641	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301305-002	170	169	mg/L	1 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
		Carbonate (CO3)	SM 2320B	1301305-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301305-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301305-002	139	139	mg/L as CaCO3	1 %
QC13010657	Duplicate	Redox Potential	SM 2580B	1301304-001	467	471	mV	1 %
QC13010657	Duplicate	Redox Potential	SM 2580B	1301304-011	406	405	mV	<1%
QC13010723	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301264-001	74.0	77.0	mg/L	4 %
QC13010723	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301283-010	322	321	mg/L	<1%
QC13010723	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301286-001	205	208	mg/L	1 %
QC13010723	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301305-004	246	247	mg/L	<1%
QC13010736	Duplicate	Electrical Conductivity	SM 2510B	1301295-001	975	968	µmhos/cm	1 %
QC13010776	Duplicate	Cyanate	SM 4500 CNL	1301303-001	4.16	4.44	mg/L	7 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13010629	MS 1	Fluoride	EPA 300.0	1301228-006	1.36	10.7	10.8	2.00	mg/L	93	94	1 %
QC13010629	MS 2	Fluoride	EPA 300.0	1301254-007	<0.100	2.03	2.03	2.00	mg/L	101	101	<1%
QC13010631	MS 1	Chloride	EPA 300.0	1301228-006	100.0	124	124	5.00	mg/L	95	94	<1%
QC13010631	MS 2	Chloride	EPA 300.0	1301254-007	2.19	7.33	7.34	5.00	mg/L	103	103	<1%
QC13010635	MS 1	Nitrite Nitrogen	EPA 300.0	1301295-001	0.034	0.558	0.559	0.500	mg/L	105	105	<1%
QC13010635	MS 2	Nitrite Nitrogen	EPA 300.0	1301300-006	<0.500	11.9	11.6	0.500	mg/L	119	116	3 %
QC13010636	MS 1	Nitrate Nitrogen	EPA 300.0	1301228-006	5.56	15.2	15.2	2.00	mg/L	95	96	<1%
QC13010638	MS 1	Sulfate	EPA 300.0	1301228-006	184	230	230	10.0	mg/L	92	91	<1%
QC13010638	MS 2	Sulfate	EPA 300.0	1301254-007	2.88	12.6	12.6	10.0	mg/L	97	97	<1%
QC13010656	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1301254-013	<0.100	0.682	0.715	0.690	mg/L	99	104	5 %
QC13010656	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1301276-001	8.79	SC 9.19	9.41	0.690	mg/L	NC	NC	NC
QC13010656	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1301272-001	0.540	1.21	1.20	0.690	mg/L	98	95	1 %
QC13010665	MS 1	Total Cyanide	SM 4500CNC	1301298-001	<0.010	M <0.010	<0.010	0.100	mg/L	NC	NC	NC
QC13010666	MS 1	WAD Cyanide	SM 4500CNI	1301295-001	0.015	0.114	0.117	0.100	mg/L	100	102	3 %
QC13010666	MS 2	WAD Cyanide	SM 4500CNI	1301299-003	335	SC 384	385	0.100	mg/L	NC	NC	NC
QC13010699	MS 1	Mercury	EPA 200.8	1301295-003	<0.00070	0.000990	0.001090	0.001	mg/L	99	109	10 %
		Antimony	EPA 200.8	1301295-003	0.2915	SC 0.2929	0.2955	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1301295-003	3.1932	SC 3.1698	3.2269	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1301295-003	0.0005	0.0095	0.0096	0.010	mg/L	91	92	1 %
		Cadmium	EPA 200.8	1301295-003	0.0004	0.0094	0.0094	0.010	mg/L	90	90	<1%
		Chromium	EPA 200.8	1301295-003	0.0025	0.0110	0.0110	0.010	mg/L	85	85	<1%
		Copper	EPA 200.8	1301295-003	0.1356	SC 0.1358	0.1438	0.010	mg/L	NC	NC	NC
		Lead	EPA 200.8	1301295-003	0.2093	SC 0.2139	0.2165	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1301295-003	0.0028	0.0119	0.0121	0.010	mg/L	91	92	2 %
		Selenium	EPA 200.8	1301295-003	0.0124	0.0532	0.0530	0.050	mg/L	82	81	<1%
		Silver	EPA 200.8	1301295-003	<0.0005	0.0095	0.0094	0.010	mg/L	92	91	1 %
		Thallium	EPA 200.8	1301295-003	<0.0002	0.0087	0.0088	0.010	mg/L	87	88	1 %
		Uranium	EPA 200.8	1301295-003	0.0531	SC 0.0579	0.0599	0.010	mg/L	NC	NC	NC
QC13010706	MS 1	Aluminum	EPA 200.7	1301295-003	2.07	M 3.53	3.55	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1301295-003	0.025	0.995	1.00	1.00	mg/L	97	98	1 %
		Bismuth	EPA 200.7	1301295-003	<0.075	0.995	1.00	1.00	mg/L	99	99	1 %
		Boron	EPA 200.7	1301295-003	0.114	1.10	1.10	1.00	mg/L	99	99	<1%
		Calcium	EPA 200.7	1301295-003	5.12	14.6	14.9	10.0	mg/L	95	98	2 %
		Cobalt	EPA 200.7	1301295-003	0.004	0.971	0.970	1.00	mg/L	97	97	<1%
		Gallium	EPA 200.7	1301295-003	<0.020	0.948	0.946	1.00	mg/L	95	94	<1%
		Iron	EPA 200.7	1301295-003	1.10	2.14	2.16	1.00	mg/L	104	106	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Lithium	EPA 200.7	1301295-003	0.052	0.956	0.960	1.00	mg/L	90	91	<1%
		Magnesium	EPA 200.7	1301295-003	0.600	10.2	10.3	10.0	mg/L	96	97	1 %
		Manganese	EPA 200.7	1301295-003	0.033	0.994	0.995	1.00	mg/L	96	96	<1%
		Molybdenum	EPA 200.7	1301295-003	<0.005	0.947	0.959	1.00	mg/L	94	96	1 %
		Phosphorus	EPA 200.7	1301295-003	0.482	5.48	5.52	5.00	mg/L	100	101	1 %
		Potassium	EPA 200.7	1301295-003	3.44	13.1	13.2	10.0	mg/L	97	98	1 %
		Scandium	EPA 200.7	1301295-003	<0.001	0.967	0.970	1.00	mg/L	97	97	<1%
		Silicon	EPA 200.7	1301295-003	17.6	28.4	28.8	10.0	mg/L	108	112	1 %
		Sodium	EPA 200.7	1301295-003	243	252	256	10.0	mg/L	90	130	2 %
		Strontium	EPA 200.7	1301295-003	0.076	1.03	1.04	1.00	mg/L	95	96	1 %
		Tin	EPA 200.7	1301295-003	<0.010	0.950	0.962	1.00	mg/L	95	96	1 %
		Titanium	EPA 200.7	1301295-003	0.072	1.04	1.05	1.00	mg/L	97	98	1 %
		Vanadium	EPA 200.7	1301295-003	0.024	1.00	1.00	1.00	mg/L	98	98	<1%
		Zinc	EPA 200.7	1301295-003	0.041	1.07	1.07	1.00	mg/L	103	103	<1%
QC13010737	MS 1	Thiocyanate	SM 4500 CN	1301303-001	66.0	2.11	2.18	0.500	mg/L	91	106	3 %
QC13010757	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1301281-002	<0.050	0.978	0.958	1.00	mg/L	98	96	2 %
QC13010757	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1301313-002	0.077	0.974	0.990	1.00	mg/L	90	91	2 %

Laboratory Report

Report ID: 125850



**Sierra
Environmental
Monitoring, Inc.**

Kappes Cassidy & Assoc.
Attn: Jim DeFilippi
7950 Security Circle
Reno, NV 89506

Date: 1/23/2013
Client: KAP-565
Taken by: S. Larsen
PO #:

Dear Jim DeFilippi,

It is the policy of Sierra Environmental Monitoring, Inc to strictly adhere to a comprehensive Quality Assurance Plan that insures the data presented in this report are both accurate and precise. Sierra Environmental Monitoring, Inc. maintains accreditation in the State of Nevada (NV-15 and NV-921) and the State of California (ELAP 2526).

The data presented in this report were obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with appropriate explanation in the Analysis Report section of this Laboratory Report.

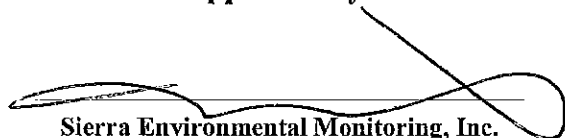
General Comments:

- There are no general comments for this report.

Individual Sample Comments:

- There are no specific comments that are associated with these samples.

Approved By:



Sierra Environmental Monitoring, Inc.

Date:

1/23/2013

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.

Laboratory Report

Report ID: 125850



Sierra
Environmental
Monitoring, Inc.

Kappes Cassiday & Assoc.
Attn: Jim DeFilippi
7950 Security Circle
Reno, NV 89506

Date: 1/23/2013
Client: KAP-565
Taken by: S. Larsen
PO #:

Analysis Report

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received	Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
S201301-0738	63304 22Jan	1/22/2013	1:30 PM	1/22/2013	Cyanide, WAD	SM 4500 CN I	0.080	mg/L	0.010	Kobza	1/22/2013	

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received	Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
S201301-0739	63307 22Jan	1/22/2013	1:30 PM	1/22/2013	Cyanide, WAD	SM 4500 CN I	0.068	mg/L	0.010	Kobza	1/22/2013	

Laboratory Sample ID	Customer Sample ID	Date Sampled	Time Sampled	Date Received	Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
S201301-0740	63319 22Jan	1/22/2013	1:30 PM	1/22/2013	Cyanide, WAD	SM 4500 CN I	0.032	mg/L	0.010	Kobza	1/22/2013	

Data Flag Legend:

Laboratory Report
Report ID: 125850



**Sierra
Environmental
Monitoring, Inc.**

Kappes Cassiday & Assoc.
Attn: Jim DeFilippi
7950 Security Circle
Reno, NV 89506

Date: 1/23/2013
Client: KAP-565
Taken by: S. Larsen
PO #:

Quality Control Report

<i>Parameter</i>	<i>LCS, % Recovery</i>	<i>MS, % Recovery</i>	<i>MSD, % Recovery</i>	<i>RPD, %</i>	<i>Method Blank</i>
Cyanide, WAD	74.0	71.0			<0.005 mg/L

Legend: <i>LCS- Laboratory Control Standard</i> <i>RPD- Relative Percent Difference</i>	<i>MS- Matrix Spike</i>	<i>MSD- Matrix Spike Duplicate</i>



SIERRA ENVIRONMENTAL MONITORING, INC.

1135 FINANCIAL BOULEVARD - RENO - NEVADA - 89502

PHONE: (775) 857 - 2400 FAX: (888) 398 - 7002 E-Mail: sem@semm-analytical.com

CHAIN OF CUSTODY RECORD

NEW ADDRESS? ☐
RESULTS FOR ☐
INVOICE TO: ☐

P.O. or Project #

125850

Results To: Kapoor, Cassidy & Associates Email: Phone # Fax # Analyses Requested 48 72 4 5

City: State Zip: Report Attention: Number of Containers NEW MAIL DATE SENT DATE BY 7/19/05 1555 Standard: ☐ Rush: ☒ Same Day: ☐ 24 Hr: ☒ 48 Hr: ☐ 5 Day: ☐ Other (specify): ☐

Invoice To: Client Name E-mail Phone # Fax # Date Sent: Send Results Via: Mail: ☒ Email: ☒ Fax: ☐ Phone: ☐ Send Invoice Via: Mail: ☒ Email: ☐ Fax: ☐ Lab Use Only Sub-Sample pH

City: State Zip: Invoice Attention: Remarks <2 >12

Sampled By: Scott Lensen Signature: Scott Lensen 22 Jan 1:30pm 7 63304 22 Jan 6 22 Jan 1:30pm 7 63307 22 Jan 6 22 Jan 1:30pm 7 63319 22 Jan 6

Date: Time Sample Type* Sample Identification Preservative* See Key Below

Relinquished By: Signature Print Name Company Date Time

Received By: Jessica Hamlett Scott Lensen KCA 22 Jan 13 1:35pm

Relinquished By: Jessica Hamlett Jessica Hamlett KCA 22 Jan 13 1:40 PM

Received By: Jessica Hamlett Jessica Hamlett KCA 22 Jan 13 2:00 PM

Relinquished By: Signature Print Name Company Date Time

Received By Laboratory: Signature Print Name Company Date Time

Custody Seal Intact: Yes ☐ No ☒ None ☒ Sample Temperature Degrees C 18

*KEY: Sample Type: 1=Drinking Water, 2=Surface Water, 3=Ground Water, 4=Waste Water, 5=Soil, 6=RCRA, 7=Other Preservative: 1=NaOH, 2=NaOH + ZnOAC, 3=HNO3, 4=H2SO4, 5=Na2S2O3, 6=None, 7=Other

SEM COC Form Revised 02/10

**Eagle Gold Project
Report of Metallurgical Test Work
December 2013
Appendix B: Volume 3
(02 February 2013 - 17 September 2013)**

Prepared for:

**StrataGold Corporation
680-1066 West Hastings Street
Vancouver, BC V6E 3X2
Canada**

Prepared by:



**Kappes, Cassiday & Associates
7950 Security Circle
Reno, Nevada 89506**

Project No. 366C

Report I.D.: KCA0120021_EG05_01

File: 8166

Appendix B: Volume 3

Report Data (WETLAB and SEM)

Report Dates: 02 February 2013 through 17 September 2013

2/2/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1301402

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 1/28/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1301402

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Aluminum and Mercury on sample 1301402-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1301402-001 Mercury

1301402-002 Nitrate Nitrogen

1301402-003 Nitrate Nitrogen

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 2/2/2013

OrderID: 1301402

Customer Sample ID: 63301 28 Jan 13

Collect Date/Time: 1/28/2013 11:15

WETLAB Sample ID: 1301402-001

Receive Date: 1/28/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.7	mg/L	0.10	2/1/2013
Thiocyanate	SM 4500 CNM	1.3	mg/L	0.20	2/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	1/30/2013
pH	SM 4500-H+ B	8.69	pH Units		1/28/2013
Trace Metals Digestion	EPA 200.2	Complete			1/30/2013
Acidity (Titrimetric)	SM 2310B	-85	mg/L as CaCO3		1/29/2013
Bicarbonate (HCO3)	SM 2320B	510	mg/L	1.0	1/28/2013
Carbonate (CO3)	SM 2320B	19	mg/L	1.0	1/28/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/28/2013
Total Alkalinity	SM 2320B	450	mg/L as CaCO3	1.0	1/28/2013
Redox Potential	SM 2580B	310	mV		1/29/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	1/29/2013
Fluoride	EPA 300.0	1.4	mg/L	0.10	1/29/2013
Sulfate	EPA 300.0	90	mg/L	1.0	1/29/2013
Nitrate Nitrogen	EPA 300.0	0.61	mg/L	0.10	1/29/2013
Nitrite Nitrogen	EPA 300.0	0.040	mg/L	0.025	1/29/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.99	mg/L	0.10	1/29/2013
Total Nitrogen	Calc.	0.99	mg/L	0.10	1/29/2013
Total Cyanide	SM 4500CNC	0.41	mg/L	0.050	1/29/2013
Total Dissolved Solids (TDS)	SM 2540C	720	mg/L	10	1/29/2013
WAD Cyanide	SM 4500CNI	0.023	mg/L	0.010	1/29/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	1/30/2013
Aluminum	EPA 200.7	3.7	M mg/L	0.045	1/30/2013
Barium	EPA 200.7	0.039	mg/L	0.010	1/30/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/30/2013
Boron	EPA 200.7	0.070	mg/L	0.020	1/30/2013
Calcium	EPA 200.7	7.1	mg/L	0.50	1/30/2013

Customer Sample ID: 63301 28 Jan 13

Collect Date/Time: 1/28/2013 11:15

WETLAB Sample ID: 1301402-001

Receive Date: 1/28/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.0029	mg/L	0.0020	1/30/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/30/2013
Iron	EPA 200.7	1.9	mg/L	0.010	1/30/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	1/30/2013
Magnesium	EPA 200.7	0.69	mg/L	0.25	1/30/2013
Manganese	EPA 200.7	0.058	mg/L	0.0050	1/30/2013
Molybdenum	EPA 200.7	0.014	mg/L	0.0050	1/30/2013
Phosphorus	EPA 200.7	0.98	mg/L	0.50	1/30/2013
Potassium	EPA 200.7	4.2	mg/L	0.50	1/30/2013
Scandium	EPA 200.7	0.0010	mg/L	0.0010	1/30/2013
Silicon	EPA 200.7	24	mg/L	0.10	1/30/2013
Sodium	EPA 200.7	230	mg/L	0.50	1/30/2013
Strontium	EPA 200.7	0.12	mg/L	0.0020	1/30/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/30/2013
Titanium	EPA 200.7	0.061	mg/L	0.0050	1/30/2013
Vanadium	EPA 200.7	0.029	mg/L	0.010	1/30/2013
Zinc	EPA 200.7	0.036	mg/L	0.010	1/30/2013
Mercury	EPA 200.8	<0.0007 M	mg/L	0.0007	1/30/2013
Antimony	EPA 200.8	0.67 SC	mg/L	0.010	1/30/2013
Arsenic	EPA 200.8	4.6 SC	mg/L	0.050	1/30/2013
Beryllium	EPA 200.8	0.00046	mg/L	0.0002	1/31/2013
Cadmium	EPA 200.8	0.00046	mg/L	0.0002	1/31/2013
Chromium	EPA 200.8	0.0025	mg/L	0.0010	1/31/2013
Copper	EPA 200.8	0.021	mg/L	0.0050	1/31/2013
Lead	EPA 200.8	0.27 SC	mg/L	0.010	1/30/2013
Nickel	EPA 200.8	0.0043	mg/L	0.0020	1/31/2013
Selenium	EPA 200.8	0.014	mg/L	0.0050	1/31/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	1/31/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/31/2013
Uranium	EPA 200.8	0.12 SC	mg/L	0.010	1/30/2013
Anions	Calculation	11.0	meq/L	0.10	
Cations	Calculation	11.0	meq/L	0.10	
Error	Calculation	<1.0	%	1.0	

Customer Sample ID: 63316 28 Jan 13

Collect Date/Time: 1/28/2013 11:15

WETLAB Sample ID: 1301402-002

Receive Date: 1/28/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	1.1	mg/L	0.20	2/1/2013
Cyanate	SM 4500 CNL	2.6	mg/L	0.10	2/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	1/30/2013
pH	SM 4500-H+ B	8.79	pH Units		1/28/2013
Trace Metals Digestion	EPA 200.2	Complete			1/30/2013
Acidity (Titrimetric)	SM 2310B	-124	mg/L as CaCO3		1/29/2013
Bicarbonate (HCO3)	SM 2320B	480	mg/L	1.0	1/28/2013
Carbonate (CO3)	SM 2320B	25	mg/L	1.0	1/28/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/28/2013
Total Alkalinity	SM 2320B	440	mg/L as CaCO3	1.0	1/28/2013
Redox Potential	SM 2580B	350	mV		1/29/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	1/29/2013
Fluoride	EPA 300.0	1.5	mg/L	0.10	1/29/2013
Sulfate	EPA 300.0	160	mg/L	1.0	1/29/2013
Nitrate Nitrogen	EPA 300.0	<0.10	mg/L	0.10	1/29/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	1/29/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.51	mg/L	0.10	1/29/2013
Total Nitrogen	Calc.	0.51	mg/L	0.10	1/29/2013
Total Cyanide	SM 4500CNC	0.12	mg/L	0.010	1/29/2013
Total Dissolved Solids (TDS)	SM 2540C	770	mg/L	10	1/29/2013
WAD Cyanide	SM 4500CNI	0.012	mg/L	0.010	1/29/2013
Electrical Conductivity	SM 2510B	1200	µmhos/cm	1	1/30/2013
Aluminum	EPA 200.7	2.6	mg/L	0.045	1/30/2013
Barium	EPA 200.7	0.028	mg/L	0.010	1/30/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/30/2013
Boron	EPA 200.7	0.051	mg/L	0.020	1/30/2013
Calcium	EPA 200.7	6.6	mg/L	0.50	1/30/2013
Cobalt	EPA 200.7	0.0022	mg/L	0.0020	1/30/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/30/2013
Iron	EPA 200.7	1.4	mg/L	0.010	1/30/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	1/30/2013
Magnesium	EPA 200.7	0.39	mg/L	0.25	1/30/2013
Manganese	EPA 200.7	0.035	mg/L	0.0050	1/30/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	1/30/2013
Phosphorus	EPA 200.7	0.51	mg/L	0.50	1/30/2013
Potassium	EPA 200.7	4.2	mg/L	0.50	1/30/2013
Scandium	EPA 200.7	0.0010	mg/L	0.0010	1/30/2013
Silicon	EPA 200.7	20	mg/L	0.10	1/30/2013

Customer Sample ID: 63316 28 Jan 13

Collect Date/Time: 1/28/2013 11:15

WETLAB Sample ID: 1301402-002

Receive Date: 1/28/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	260	mg/L	0.50	1/30/2013
Strontium	EPA 200.7	0.088	mg/L	0.0020	1/30/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/30/2013
Titanium	EPA 200.7	0.050	mg/L	0.0050	1/30/2013
Vanadium	EPA 200.7	0.028	mg/L	0.010	1/30/2013
Zinc	EPA 200.7	0.038	mg/L	0.010	1/30/2013
Mercury	EPA 200.8	0.00079	mg/L	0.0007	1/30/2013
Antimony	EPA 200.8	0.70	mg/L	0.010	1/30/2013
Arsenic	EPA 200.8	4.0	mg/L	0.050	1/30/2013
Beryllium	EPA 200.8	<0.0002	mg/L	0.0002	1/31/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	1/31/2013
Chromium	EPA 200.8	0.0020	mg/L	0.0010	1/31/2013
Copper	EPA 200.8	0.057	mg/L	0.0050	1/31/2013
Lead	EPA 200.8	0.25	mg/L	0.010	1/30/2013
Nickel	EPA 200.8	0.0033	mg/L	0.0020	1/31/2013
Selenium	EPA 200.8	0.014	mg/L	0.0050	1/31/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	1/31/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/31/2013
Uranium	EPA 200.8	0.12	mg/L	0.010	1/30/2013
Anions	Calculation	12.1	meq/L	0.10	
Cations	Calculation	12.1	meq/L	0.10	
Error	Calculation	<1.0	%	1.0	

Customer Sample ID: 63322 28 Jan 13

Collect Date/Time: 1/28/2013 11:15

WETLAB Sample ID: 1301402-003

Receive Date: 1/28/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	2.9	mg/L	0.10	2/1/2013
Thiocyanate	SM 4500 CNM	1.3	mg/L	0.20	2/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	1/30/2013
pH	SM 4500-H+ B	8.76	pH Units		1/28/2013
Trace Metals Digestion	EPA 200.2	Complete			1/30/2013
Acidity (Titrimetric)	SM 2310B	-145	mg/L as CaCO3		1/29/2013
Bicarbonate (HCO3)	SM 2320B	640	mg/L	1.0	1/28/2013
Carbonate (CO3)	SM 2320B	29	mg/L	1.0	1/28/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	1/28/2013
Total Alkalinity	SM 2320B	570	mg/L as CaCO3	1.0	1/28/2013
Redox Potential	SM 2580B	370	mV		1/29/2013

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Customer Sample ID: 63322 28 Jan 13

Collect Date/Time: 1/28/2013 11:15

WETLAB Sample ID: 1301402-003

Receive Date: 1/28/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	0.27	mg/L	0.10	1/29/2013
Fluoride	EPA 300.0	1.1	mg/L	0.10	1/29/2013
Sulfate	EPA 300.0	26	mg/L	1.0	1/29/2013
Nitrate Nitrogen	EPA 300.0	<0.10	mg/L	0.10	1/29/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	1/29/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.64	mg/L	0.10	1/29/2013
Total Nitrogen	Calc.	0.64	mg/L	0.10	1/29/2013
Total Cyanide	SM 4500CNC	0.046	mg/L	0.010	1/29/2013
Total Dissolved Solids (TDS)	SM 2540C	700	mg/L	10	1/29/2013
WAD Cyanide	SM 4500CNI	0.017	mg/L	0.010	1/29/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	1/30/2013
Aluminum	EPA 200.7	2.0	mg/L	0.045	1/30/2013
Barium	EPA 200.7	0.025	mg/L	0.010	1/30/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	1/30/2013
Boron	EPA 200.7	0.11	mg/L	0.100	1/30/2013
Calcium	EPA 200.7	5.1	mg/L	0.50	1/30/2013
Cobalt	EPA 200.7	0.0039	mg/L	0.0020	1/30/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	1/30/2013
Iron	EPA 200.7	1.1	mg/L	0.010	1/30/2013
Lithium	EPA 200.7	0.056	mg/L	0.020	1/30/2013
Magnesium	EPA 200.7	0.65	mg/L	0.50	1/30/2013
Manganese	EPA 200.7	0.032	mg/L	0.0050	1/30/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	1/30/2013
Phosphorus	EPA 200.7	0.39	mg/L	0.10	1/30/2013
Potassium	EPA 200.7	3.6	mg/L	0.50	1/30/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	1/30/2013
Silicon	EPA 200.7	18	mg/L	0.10	1/30/2013
Sodium	EPA 200.7	250	mg/L	0.50	1/30/2013
Strontium	EPA 200.7	0.078	mg/L	0.0020	1/30/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	1/30/2013
Titanium	EPA 200.7	0.077	mg/L	0.0050	1/30/2013
Vanadium	EPA 200.7	0.021	mg/L	0.010	1/30/2013
Zinc	EPA 200.7	0.038	mg/L	0.010	1/30/2013
Mercury	EPA 200.8	0.00087	mg/L	0.0007	1/30/2013
Antimony	EPA 200.8	0.31	mg/L	0.010	1/30/2013
Arsenic	EPA 200.8	3.2	mg/L	0.050	1/30/2013
Beryllium	EPA 200.8	<0.0002	mg/L	0.0002	1/31/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	1/31/2013

Customer Sample ID: 63322 28 Jan 13

Collect Date/Time: 1/28/2013 11:15

WETLAB Sample ID: 1301402-003

Receive Date: 1/28/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.8	0.0028	mg/L	0.0010	1/31/2013
Copper	EPA 200.8	0.11	mg/L	0.0050	1/31/2013
Lead	EPA 200.8	0.22	mg/L	0.010	1/30/2013
Nickel	EPA 200.8	0.0027	mg/L	0.0020	1/31/2013
Selenium	EPA 200.8	0.0089	mg/L	0.0050	1/31/2013
Silver	EPA 200.8	0.00051	mg/L	0.0005	1/31/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	1/31/2013
Uranium	EPA 200.8	0.053	mg/L	0.010	1/30/2013
Anions	Calculation	12.1	meq/L	0.10	
Cations	Calculation	11.6	meq/L	0.10	
Error	Calculation	2.1	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13010842	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010842	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13010843	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010843	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13010850	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13010850	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13010850	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13010850	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13010868	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13010868	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13010868	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13010869	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13010869	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13010869	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13010870	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010870	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13010871	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010871	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13010872	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13010872	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13010872	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13010884	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13010884	Blank 2	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13010885	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010885	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010885	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13010887	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Beryllium	EPA 200.8	<0.00100	mg/L
		Cadmium	EPA 200.8	<0.00100	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.0100	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.00500	mg/L
		Thallium	EPA 200.8	<0.00100	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
		Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
QC13010890	Blank 1	Bismuth	EPA 200.7	<0.100	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.0100	mg/L
		Gallium	EPA 200.7	<0.100	mg/L
		Iron	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Lithium	EPA 200.7	<0.100	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.0100	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.1000	mg/L
		Tin	EPA 200.7	<0.100	mg/L
		Titanium	EPA 200.7	<0.1000	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13010922	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020034	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13020034	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13020036	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13020036	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13010823	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13010824	LCS 1	Total Alkalinity	SM 2320B	99.3	100	99	mg/L
QC13010824	LCS 2	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13010842	LCS 1	Total Cyanide	SM 4500CNC	0.086	0.100	86	mg/L
QC13010843	LCS 1	WAD Cyanide	SM 4500CNI	0.095	0.100	95	mg/L
QC13010850	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.718	0.690	104	mg/L
QC13010850	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.728	0.690	106	mg/L
QC13010868	LCS 1	Fluoride	EPA 300.0	1.92	2.00	96	mg/L
QC13010869	LCS 1	Chloride	EPA 300.0	9.54	10.0	95	mg/L
QC13010870	LCS 1	Nitrite Nitrogen	EPA 300.0	0.506	0.500	101	mg/L
QC13010871	LCS 1	Nitrate Nitrogen	EPA 300.0	1.96	2.00	98	mg/L
QC13010872	LCS 1	Sulfate	EPA 300.0	22.9	25.0	92	mg/L
QC13010875	LCS 1	Redox Potential	SM 2580B	221	221	100	mV
QC13010884	LCS 1	Electrical Conductivity	SM 2510B	1385	1412	98	µmhos/cm
QC13010885	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.976	1.00	98	mg/L
QC13010887	LCS 1	Mercury	EPA 200.8	0.000965	0.001	96	mg/L
		Antimony	EPA 200.8	0.0095	0.010	95	mg/L
		Arsenic	EPA 200.8	0.0508	0.050	102	mg/L
		Beryllium	EPA 200.8	0.0095	0.010	95	mg/L
		Cadmium	EPA 200.8	0.0100	0.010	100	mg/L
		Chromium	EPA 200.8	0.0092	0.010	92	mg/L
		Copper	EPA 200.8	0.0105	0.010	105	mg/L
		Lead	EPA 200.8	0.0097	0.010	97	mg/L
		Nickel	EPA 200.8	<0.0100	0.010	99	mg/L
		Selenium	EPA 200.8	0.0472	0.050	94	mg/L
		Silver	EPA 200.8	0.0098	0.010	98	mg/L
		Thallium	EPA 200.8	0.0097	0.010	97	mg/L
		Uranium	EPA 200.8	0.0095	0.010	95	mg/L
QC13010890	LCS 1	Aluminum	EPA 200.7	0.976	1.00	98	mg/L
		Barium	EPA 200.7	0.978	1.00	98	mg/L
		Bismuth	EPA 200.7	0.994	1.00	99	mg/L
		Boron	EPA 200.7	0.958	1.00	96	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
		Calcium	EPA 200.7	9.77	10.0	98	mg/L
		Cobalt	EPA 200.7	0.979	1.00	98	mg/L
		Gallium	EPA 200.7	0.981	1.00	98	mg/L
		Iron	EPA 200.7	0.976	1.00	98	mg/L
		Lithium	EPA 200.7	0.990	1.00	99	mg/L
		Magnesium	EPA 200.7	9.72	10.0	97	mg/L
		Manganese	EPA 200.7	0.974	1.00	97	mg/L
		Molybdenum	EPA 200.7	0.982	1.00	98	mg/L
		Phosphorus	EPA 200.7	5.00	5.00	100	mg/L
		Potassium	EPA 200.7	9.95	10.0	100	mg/L
		Scandium	EPA 200.7	0.978	1.00	98	mg/L
		Silicon	EPA 200.7	9.37	10.0	94	mg/L
		Sodium	EPA 200.7	10.0	10.0	100	mg/L
		Strontium	EPA 200.7	1.00	1.00	100	mg/L
		Tin	EPA 200.7	0.973	1.00	97	mg/L
		Titanium	EPA 200.7	0.985	1.00	98	mg/L
		Vanadium	EPA 200.7	0.971	1.00	97	mg/L
		Zinc	EPA 200.7	1.00	1.00	100	mg/L
QC13010922	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	157	150	105	mg/L
QC13020034	LCS 1	Cyanate	SM 4500 CNL	1.08	1.00	108	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13010823	Duplicate	pH	SM 4500-H+ B	1301410-001	10.2	10.2	pH Units	<1%
QC13010824	Duplicate	Bicarbonate (HCO3)	SM 2320B	1301410-001	48.9	48.4	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1301410-001	287	288	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1301410-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1301410-001	516	518	mg/L as CaCO3	<1%
QC13010875	Duplicate	Redox Potential	SM 2580B	1301415-001	451	455	mV	1 %
QC13010875	Duplicate	Redox Potential	SM 2580B	1301415-011	413	412	mV	<1%
QC13010884	Duplicate	Electrical Conductivity	SM 2510B	1301402-001	1051	1049	µmhos/cm	<1%
QC13010884	Duplicate	Electrical Conductivity	SM 2510B	1301415-007	33.7	33.5	µmhos/cm	1 %
QC13010922	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301372-001	24.0	23.0	mg/L	4 %
QC13010922	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301411-001	208	208	mg/L	<1%
QC13020034	Duplicate	Cyanate	SM 4500 CNL	1301402-003	2.93	3.29	mg/L	11 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13010842	MS 1	Total Cyanide	SM 4500CNC	1301402-002	0.121	0.226	0.214	0.100	mg/L	105	93	5 %
QC13010843	MS 1	WAD Cyanide	SM 4500CNI	1301402-001	0.023	0.124	0.124	0.100	mg/L	101	101	<1%
QC13010850	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1301402-002	0.506	1.13	1.31	0.690	mg/L	90	117	15 %
QC13010850	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1301394-002	0.410	1.10	0.915	0.690	mg/L	100	73	18 %
QC13010850	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1301351-001	0.206	0.860	0.803	0.690	mg/L	95	86	7 %
QC13010868	MS 1	Fluoride	EPA 300.0	1301411-001	<0.100	2.06	2.12	2.00	mg/L	100	103	3 %
QC13010868	MS 2	Fluoride	EPA 300.0	1301417-005	1.47	21.3	21.3	2.00	mg/L	99	99	<1%
QC13010869	MS 1	Chloride	EPA 300.0	1301411-001	8.50	13.4	13.6	5.00	mg/L	99	102	1 %
QC13010869	MS 2	Chloride	EPA 300.0	1301417-005	1200	1255	1253	5.00	mg/L	111	105	<1%
QC13010870	MS 1	Nitrite Nitrogen	EPA 300.0	1301411-001	0.075	0.615	0.624	0.500	mg/L	108	110	1 %
QC13010871	MS 1	Nitrate Nitrogen	EPA 300.0	1301411-001	<1.000	2.30	2.36	2.00	mg/L	101	104	3 %
QC13010872	MS 1	Sulfate	EPA 300.0	1301411-001	11.6	21.2	21.6	10.0	mg/L	97	100	2 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13010872	MS 2	Sulfate	EPA 300.0	1301417-005	1033	1125	1124	10.0	mg/L	93	91	<1%
QC13010885	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1301420-002	0.115	1.06	1.06	1.00	mg/L	94	95	<1%
QC13010885	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1301402-003	<0.050	0.943	1.01	1.00	mg/L	94	101	7 %
QC13010887	MS 1	Mercury	EPA 200.8	1301402-001	<0.00070	M 0.001530	0.001380	0.001	mg/L	NC	NC	NC
		Antimony	EPA 200.8	1301402-001	0.6743	SC 0.6900	0.6673	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1301402-001	4.6291	SC 4.6777	4.5448	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1301402-001	0.0005	0.0094	0.0094	0.010	mg/L	89	90	<1%
		Cadmium	EPA 200.8	1301402-001	0.0005	0.0093	0.0093	0.010	mg/L	88	89	<1%
		Chromium	EPA 200.8	1301402-001	0.0025	0.0122	0.0125	0.010	mg/L	98	100	2 %
		Copper	EPA 200.8	1301402-001	0.0206	0.0296	0.0299	0.010	mg/L	91	93	1 %
		Lead	EPA 200.8	1301402-001	0.2749	SC 0.2864	0.2795	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1301402-001	0.0043	0.0139	0.0137	0.010	mg/L	96	95	1 %
		Selenium	EPA 200.8	1301402-001	0.0138	0.0567	0.0561	0.050	mg/L	86	85	1 %
		Silver	EPA 200.8	1301402-001	<0.0005	0.0091	0.0092	0.010	mg/L	86	87	1 %
		Thallium	EPA 200.8	1301402-001	<0.0002	0.0093	0.0094	0.010	mg/L	92	94	1 %
		Uranium	EPA 200.8	1301402-001	0.1226	SC 0.1345	0.1303	0.010	mg/L	NC	NC	NC
QC13010890	MS 1	Aluminum	EPA 200.7	1301402-001	3.74	M 5.40	5.73	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1301402-001	0.039	1.02	1.02	1.00	mg/L	98	98	<1%
		Bismuth	EPA 200.7	1301402-001	<0.075	1.02	1.03	1.00	mg/L	100	101	1 %
		Boron	EPA 200.7	1301402-001	0.070	1.06	1.07	1.00	mg/L	99	100	1 %
		Calcium	EPA 200.7	1301402-001	7.14	16.8	17.1	10.0	mg/L	97	100	2 %
		Cobalt	EPA 200.7	1301402-001	0.003	0.965	0.962	1.00	mg/L	96	96	<1%
		Gallium	EPA 200.7	1301402-001	<0.020	0.984	0.982	1.00	mg/L	98	98	<1%
		Iron	EPA 200.7	1301402-001	1.86	2.91	3.10	1.00	mg/L	105	124	6 %
		Lithium	EPA 200.7	1301402-001	<0.020	0.958	0.958	1.00	mg/L	95	95	<1%
		Magnesium	EPA 200.7	1301402-001	0.687	10.4	10.4	10.0	mg/L	97	97	<1%
		Manganese	EPA 200.7	1301402-001	0.058	1.03	1.03	1.00	mg/L	97	97	<1%
		Molybdenum	EPA 200.7	1301402-001	0.014	0.989	0.995	1.00	mg/L	97	98	1 %
		Phosphorus	EPA 200.7	1301402-001	0.982	6.01	6.09	5.00	mg/L	101	102	1 %
		Potassium	EPA 200.7	1301402-001	4.21	14.2	14.4	10.0	mg/L	100	102	1 %
		Scandium	EPA 200.7	1301402-001	0.001	0.978	0.980	1.00	mg/L	98	98	<1%
		Silicon	EPA 200.7	1301402-001	23.8	34.7	35.6	10.0	mg/L	109	118	3 %
		Sodium	EPA 200.7	1301402-001	230	238	247	10.0	mg/L	80	170	4 %
		Strontium	EPA 200.7	1301402-001	0.116	1.11	1.12	1.00	mg/L	99	100	1 %
		Tin	EPA 200.7	1301402-001	<0.010	0.968	0.977	1.00	mg/L	97	98	1 %
		Titanium	EPA 200.7	1301402-001	0.061	1.06	1.06	1.00	mg/L	100	100	<1%
		Vanadium	EPA 200.7	1301402-001	0.029	1.01	1.01	1.00	mg/L	98	98	<1%
		Zinc	EPA 200.7	1301402-001	0.036	1.06	1.07	1.00	mg/L	102	103	1 %
QC13020036	MS 1	Thiocyanate	SM 4500 CN	1301402-003	1.28	2.25	2.36	0.500	mg/L	97	109	5 %

2/1/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1301467

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 1/31/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1301467

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of WAD Cyanide on sample 1301467-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 2/1/2013

OrderID: 1301467

Customer Sample ID: 63304 31 Jan 13 NaOH

Collect Date/Time: 1/31/2013 08:25

WETLAB Sample ID: 1301467-001

Receive Date: 1/31/2013 08:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
WAD Cyanide	SM 4500CNI	0.26	M mg/L	0.050	2/1/2013

Customer Sample ID: 63307 31 Jan 13 NaOH

Collect Date/Time: 1/31/2013 08:25

WETLAB Sample ID: 1301467-002

Receive Date: 1/31/2013 08:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
WAD Cyanide	SM 4500CNI	0.32	mg/L	0.050	2/1/2013

Customer Sample ID: 63319 31 Jan 13 NaOH

Collect Date/Time: 1/31/2013 08:25

WETLAB Sample ID: 1301467-003

Receive Date: 1/31/2013 08:25

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
WAD Cyanide	SM 4500CNI	0.065	mg/L	0.010	2/1/2013

Western Environmental Testing Laboratory QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13020029	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13020029	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13020029	Blank 3	WAD Cyanide	SM 4500CNI	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13020029	LCS 1	WAD Cyanide	SM 4500CNI	0.099	0.100	99	mg/L

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13020029	MS 1	WAD Cyanide	SM 4500CNI	1301467-001	0.260	M 0.385	0.380	0.100	mg/L	NC	NC	NC
QC13020029	MS 2	WAD Cyanide	SM 4500CNI	1301471-002	<0.010	0.112	0.113	0.100	mg/L	112	113	1 %

2/15/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1302024

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 2/4/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1302024

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Total Cyanide on sample 1302024-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1302024-001 Mercury, Selenium

1302024-002 Selenium

1302024-003 Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 2/15/2013

OrderID: 1302024

Customer Sample ID: 63301 4 Feb 13

Collect Date/Time: 2/4/2013 12:15

WETLAB Sample ID: 1302024-001

Receive Date: 2/4/2013 12:15

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.0	mg/L	0.10	2/8/2013
Thiocyanate	SM 4500 CNM	1.5	mg/L	0.10	2/8/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/6/2013
pH	SM 4500-H+ B	8.66	pH Units		2/4/2013
Trace Metals Digestion	EPA 200.2	Complete			2/6/2013
Acidity (Titrimetric)	SM 2310B	-86	mg/L as CaCO3		2/7/2013
Bicarbonate (HCO3)	SM 2320B	500	mg/L	1.0	2/4/2013
Carbonate (CO3)	SM 2320B	17	mg/L	1.0	2/4/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/4/2013
Total Alkalinity	SM 2320B	440	mg/L as CaCO3	1.0	2/4/2013
Redox Potential	SM 2580B	250	mV		2/5/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	2/6/2013
Fluoride	EPA 300.0	1.3	mg/L	0.10	2/6/2013
Sulfate	EPA 300.0	99	mg/L	1.0	2/6/2013
Nitrate Nitrogen	EPA 300.0	0.84	mg/L	0.010	2/6/2013
Nitrite Nitrogen	EPA 300.0	0.040	mg/L	0.010	2/6/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.94	mg/L	0.10	2/7/2013
Total Nitrogen	Calc.	1.8	mg/L	0.10	2/7/2013
Total Cyanide	SM 4500CNC	0.38	M mg/L	0.10	2/6/2013
Total Dissolved Solids (TDS)	SM 2540C	660	mg/L	10	2/5/2013
WAD Cyanide	SM 4500CNI	0.048	mg/L	0.010	2/12/2013
Electrical Conductivity	SM 2510B	1000	µmhos/cm	1	2/8/2013
Aluminum	EPA 200.7	3.7	mg/L	0.045	2/7/2013
Barium	EPA 200.7	0.046	mg/L	0.010	2/7/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/7/2013
Boron	EPA 200.7	0.061	mg/L	0.020	2/7/2013
Calcium	EPA 200.7	8.7	mg/L	0.50	2/7/2013

Customer Sample ID: 63301 4 Feb 13

Collect Date/Time: 2/4/2013 12:15

WETLAB Sample ID: 1302024-001

Receive Date: 2/4/2013 12:15

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.0033	mg/L	0.0020	2/7/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/7/2013
Iron	EPA 200.7	2.1	mg/L	0.010	2/7/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	2/7/2013
Magnesium	EPA 200.7	0.72	mg/L	0.25	2/7/2013
Manganese	EPA 200.7	0.071	mg/L	0.0050	2/7/2013
Molybdenum	EPA 200.7	0.014	mg/L	0.0100	2/7/2013
Phosphorus	EPA 200.7	0.90	mg/L	0.10	2/7/2013
Potassium	EPA 200.7	4.1	mg/L	0.50	2/7/2013
Scandium	EPA 200.7	0.0011	mg/L	0.0010	2/7/2013
Silicon	EPA 200.7	26	mg/L	0.10	2/7/2013
Sodium	EPA 200.7	220	mg/L	0.50	2/7/2013
Strontium	EPA 200.7	0.12	mg/L	0.1000	2/7/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/7/2013
Titanium	EPA 200.7	0.061	mg/L	0.0050	2/7/2013
Vanadium	EPA 200.7	0.028	mg/L	0.010	2/7/2013
Zinc	EPA 200.7	0.041	mg/L	0.010	2/7/2013
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	2/7/2013
Antimony	EPA 200.8	0.64	mg/L	0.010	2/7/2013
Arsenic	EPA 200.8	4.2	mg/L	0.050	2/7/2013
Beryllium	EPA 200.8	<0.0002	mg/L	0.0002	2/12/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	2/12/2013
Chromium	EPA 200.8	0.0027	mg/L	0.0010	2/12/2013
Copper	EPA 200.8	0.043	mg/L	0.0050	2/12/2013
Lead	EPA 200.8	0.34	mg/L	0.010	2/7/2013
Nickel	EPA 200.8	0.0048	mg/L	0.0020	2/12/2013
Selenium	EPA 200.8	<0.020	mg/L	0.020	2/7/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	2/12/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	2/12/2013
Uranium	EPA 200.8	0.12	mg/L	0.010	2/7/2013
Anions	Calculation	11.0	meq/L	0.10	
Cations	Calculation	10.7	meq/L	0.10	
Error	Calculation	1.2	%	1.0	

Customer Sample ID: 63316 4 Feb 13

Collect Date/Time: 2/4/2013 12:15

WETLAB Sample ID: 1302024-002

Receive Date: 2/4/2013 12:15

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	1.2	mg/L	0.10	2/8/2013
Cyanate	SM 4500 CNL	3.1	mg/L	0.10	2/8/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/6/2013
pH	SM 4500-H+ B	8.76	pH Units		2/4/2013
Trace Metals Digestion	EPA 200.2	Complete			2/6/2013
Acidity (Titrimetric)	SM 2310B	-115	mg/L as CaCO3		2/7/2013
Bicarbonate (HCO3)	SM 2320B	480	mg/L	1.0	2/4/2013
Carbonate (CO3)	SM 2320B	22	mg/L	1.0	2/4/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/4/2013
Total Alkalinity	SM 2320B	430	mg/L as CaCO3	1.0	2/4/2013
Redox Potential	SM 2580B	300	mV		2/5/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	2/6/2013
Fluoride	EPA 300.0	1.4	mg/L	0.10	2/6/2013
Sulfate	EPA 300.0	140	mg/L	1.0	2/6/2013
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/6/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/6/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.68	mg/L	0.10	2/7/2013
Total Nitrogen	Calc.	0.68	mg/L	0.10	2/7/2013
Total Cyanide	SM 4500CNC	0.097	mg/L	0.010	2/6/2013
Total Dissolved Solids (TDS)	SM 2540C	710	mg/L	10	2/5/2013
WAD Cyanide	SM 4500CNI	0.011	mg/L	0.010	2/12/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	2/8/2013
Aluminum	EPA 200.7	2.7	mg/L	0.045	2/7/2013
Barium	EPA 200.7	0.029	mg/L	0.010	2/7/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/7/2013
Boron	EPA 200.7	0.039	mg/L	0.020	2/7/2013
Calcium	EPA 200.7	6.4	mg/L	0.50	2/7/2013
Cobalt	EPA 200.7	0.0024	mg/L	0.0020	2/7/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/7/2013
Iron	EPA 200.7	1.7	mg/L	0.010	2/7/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	2/7/2013
Magnesium	EPA 200.7	0.44	mg/L	0.25	2/7/2013
Manganese	EPA 200.7	0.042	mg/L	0.0050	2/7/2013
Molybdenum	EPA 200.7	0.0050	mg/L	0.0050	2/7/2013
Phosphorus	EPA 200.7	0.49	mg/L	0.10	2/7/2013
Potassium	EPA 200.7	4.2	mg/L	0.50	2/7/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/7/2013
Silicon	EPA 200.7	21	mg/L	0.10	2/7/2013

Customer Sample ID: 63316 4 Feb 13

Collect Date/Time: 2/4/2013 12:15

WETLAB Sample ID: 1302024-002

Receive Date: 2/4/2013 12:15

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	250	mg/L	0.50	2/7/2013
Strontium	EPA 200.7	0.080	mg/L	0.0020	2/7/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/7/2013
Titanium	EPA 200.7	0.053	mg/L	0.0050	2/7/2013
Vanadium	EPA 200.7	0.025	mg/L	0.010	2/7/2013
Zinc	EPA 200.7	0.048	mg/L	0.010	2/7/2013
Mercury	EPA 200.8	0.0002	mg/L	0.00007	2/12/2013
Antimony	EPA 200.8	0.63	mg/L	0.010	2/7/2013
Arsenic	EPA 200.8	3.6	mg/L	0.050	2/7/2013
Beryllium	EPA 200.8	<0.0002	mg/L	0.0002	2/12/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	2/12/2013
Chromium	EPA 200.8	0.0021	mg/L	0.0010	2/12/2013
Copper	EPA 200.8	0.079	mg/L	0.0050	2/12/2013
Lead	EPA 200.8	0.27	mg/L	0.010	2/7/2013
Nickel	EPA 200.8	0.0039	mg/L	0.0020	2/12/2013
Selenium	EPA 200.8	<0.020	mg/L	0.020	2/7/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	2/12/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	2/12/2013
Uranium	EPA 200.8	0.10	mg/L	0.010	2/7/2013
Anions	Calculation	11.6	meq/L	0.10	
Cations	Calculation	11.7	meq/L	0.10	
Error	Calculation	<1.0	%	1.0	

Customer Sample ID: 63322 4 Feb 13

Collect Date/Time: 2/4/2013 12:15

WETLAB Sample ID: 1302024-003

Receive Date: 2/4/2013 12:15

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.1	mg/L	0.10	2/8/2013
Thiocyanate	SM 4500 CNM	1.3	mg/L	0.10	2/8/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/6/2013
pH	SM 4500-H+ B	8.68	pH Units		2/4/2013
Trace Metals Digestion	EPA 200.2	Complete			2/6/2013
Acidity (Titrimetric)	SM 2310B	-93	mg/L as CaCO3		2/7/2013
Bicarbonate (HCO3)	SM 2320B	650	mg/L	1.0	2/4/2013
Carbonate (CO3)	SM 2320B	23	mg/L	1.0	2/4/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/4/2013
Total Alkalinity	SM 2320B	570	mg/L as CaCO3	1.0	2/4/2013
Redox Potential	SM 2580B	320	mV		2/5/2013

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Customer Sample ID: 63322 4 Feb 13

Collect Date/Time: 2/4/2013 12:15

WETLAB Sample ID: 1302024-003

Receive Date: 2/4/2013 12:15

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	0.20	mg/L	0.10	2/6/2013
Fluoride	EPA 300.0	1.0	mg/L	0.10	2/6/2013
Sulfate	EPA 300.0	25	mg/L	1.0	2/6/2013
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/6/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/6/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.88	mg/L	0.10	2/7/2013
Total Nitrogen	Calc.	0.88	mg/L	0.10	2/7/2013
Total Cyanide	SM 4500CNC	0.033	mg/L	0.010	2/6/2013
Total Dissolved Solids (TDS)	SM 2540C	670	mg/L	10	2/5/2013
WAD Cyanide	SM 4500CNI	<0.010	mg/L	0.010	2/12/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	2/8/2013
Aluminum	EPA 200.7	1.8	mg/L	0.045	2/7/2013
Barium	EPA 200.7	0.025	mg/L	0.010	2/7/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/7/2013
Boron	EPA 200.7	0.094	mg/L	0.020	2/7/2013
Calcium	EPA 200.7	5.3	mg/L	0.50	2/7/2013
Cobalt	EPA 200.7	0.0037	mg/L	0.0020	2/7/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/7/2013
Iron	EPA 200.7	1.1	mg/L	0.010	2/7/2013
Lithium	EPA 200.7	0.054	mg/L	0.020	2/7/2013
Magnesium	EPA 200.7	0.65	mg/L	0.25	2/7/2013
Manganese	EPA 200.7	0.033	mg/L	0.0050	2/7/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	2/7/2013
Phosphorus	EPA 200.7	0.35	mg/L	0.10	2/7/2013
Potassium	EPA 200.7	3.6	mg/L	0.50	2/7/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/7/2013
Silicon	EPA 200.7	18	mg/L	0.10	2/7/2013
Sodium	EPA 200.7	250	mg/L	0.50	2/7/2013
Strontium	EPA 200.7	0.078	mg/L	0.0020	2/7/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/7/2013
Titanium	EPA 200.7	0.074	mg/L	0.0050	2/7/2013
Vanadium	EPA 200.7	0.020	mg/L	0.010	2/7/2013
Zinc	EPA 200.7	0.046	mg/L	0.010	2/7/2013
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	2/7/2013
Antimony	EPA 200.8	0.29	mg/L	0.010	2/7/2013
Arsenic	EPA 200.8	2.9	mg/L	0.050	2/7/2013
Beryllium	EPA 200.8	<0.0002	mg/L	0.0002	2/12/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	2/12/2013

Customer Sample ID: 63322 4 Feb 13

Collect Date/Time: 2/4/2013 12:15

WETLAB Sample ID: 1302024-003

Receive Date: 2/4/2013 12:15

PROFILE II

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.8	0.0025	mg/L	0.0010	2/12/2013
Copper	EPA 200.8	0.13	mg/L	0.0050	2/12/2013
Lead	EPA 200.8	0.22	mg/L	0.010	2/7/2013
Nickel	EPA 200.8	0.0029	mg/L	0.0020	2/12/2013
Selenium	EPA 200.8	<0.0020	mg/L	0.0020	2/12/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	2/12/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	2/12/2013
Uranium	EPA 200.8	0.046	mg/L	0.010	2/7/2013
Anions	Calculation	12.0	meq/L	0.10	
Cations	Calculation	11.6	meq/L	0.10	
Error	Calculation	1.9	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13020101	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020101	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020101	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020106	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13020106	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13020106	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13020109	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13020109	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13020109	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13020112	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020112	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020112	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020115	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13020115	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13020115	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13020119	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13020119	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13020119	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13020124	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13020124	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13020134	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13020134	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13020134	Blank 3	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13020181	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020181	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020181	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020181	Blank 4	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020196	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020196	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020196	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020196	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020199	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC13020207	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.10	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Gallium	EPA 200.7	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13020239	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13020239	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13020241	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13020246	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13020246	Blank 2	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13020357	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13020357	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13020357	Blank 3	WAD Cyanide	SM 4500CNI	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13020077	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13020077	LCS 2	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13020077	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13020079	LCS 1	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13020079	LCS 2	Total Alkalinity	SM 2320B	98.8	100	99	mg/L
QC13020079	LCS 3	Total Alkalinity	SM 2320B	99.3	100	99	mg/L
QC13020079	LCS 4	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13020081	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC13020081	LCS 2	Redox Potential	SM 2580B	221	221	100	mV
QC13020101	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.970	1.00	97	mg/L
QC13020101	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.916	1.00	92	mg/L
QC13020106	LCS 1	Fluoride	EPA 300.0	1.99	2.00	99	mg/L
QC13020109	LCS 1	Chloride	EPA 300.0	9.59	10.0	96	mg/L
QC13020112	LCS 1	Nitrite Nitrogen	EPA 300.0	0.525	0.500	105	mg/L
QC13020115	LCS 1	Nitrate Nitrogen	EPA 300.0	1.97	2.00	98	mg/L
QC13020119	LCS 1	Sulfate	EPA 300.0	23.5	25.0	94	mg/L
QC13020124	LCS 1	Total Cyanide	SM 4500CNC	0.097	0.100	97	mg/L
QC13020134	LCS 1	Total Cyanide	SM 4500CNC	0.096	0.100	96	mg/L
QC13020181	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L
QC13020181	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	140	150	93	mg/L
QC13020181	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	141	150	94	mg/L
QC13020181	LCS 4	Total Dissolved Solids (TDS)	SM 2540C	151	150	100	mg/L
QC13020196	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.679	0.690	98	mg/L
QC13020196	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.709	0.690	103	mg/L
QC13020199	LCS 1	Mercury	EPA 200.8	0.000962	0.001	96	mg/L
		Antimony	EPA 200.8	0.0094	0.010	94	mg/L
		Arsenic	EPA 200.8	0.0487	0.050	97	mg/L
		Cadmium	EPA 200.8	0.0100	0.010	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC13020207	LCS 1	Copper	EPA 200.8	0.0101	0.010	101	mg/L	
		Lead	EPA 200.8	0.0096	0.010	96	mg/L	
		Selenium	EPA 200.8	0.0463	0.050	93	mg/L	
		Thallium	EPA 200.8	0.0094	0.010	94	mg/L	
		Uranium	EPA 200.8	0.0094	0.010	94	mg/L	
		Aluminum	EPA 200.7	0.900	1.00	90	mg/L	
		Barium	EPA 200.7	0.935	1.00	94	mg/L	
		Bismuth	EPA 200.7	0.978	1.00	98	mg/L	
		Boron	EPA 200.7	0.903	1.00	90	mg/L	
		Calcium	EPA 200.7	9.81	10.0	98	mg/L	
		Cobalt	EPA 200.7	0.944	1.00	94	mg/L	
		Gallium	EPA 200.7	0.961	1.00	96	mg/L	
		Iron	EPA 200.7	0.951	1.00	95	mg/L	
		Lithium	EPA 200.7	0.956	1.00	96	mg/L	
		Magnesium	EPA 200.7	9.36	10.0	94	mg/L	
		Manganese	EPA 200.7	0.975	1.00	98	mg/L	
		Molybdenum	EPA 200.7	0.902	1.00	90	mg/L	
		Phosphorus	EPA 200.7	4.55	5.00	91	mg/L	
		Potassium	EPA 200.7	9.67	10.0	97	mg/L	
		Scandium	EPA 200.7	0.953	1.00	95	mg/L	
		Silicon	EPA 200.7	9.48	10.0	95	mg/L	
		Sodium	EPA 200.7	9.85	10.0	98	mg/L	
		Strontium	EPA 200.7	0.945	1.00	94	mg/L	
		Tin	EPA 200.7	0.931	1.00	93	mg/L	
		Titanium	EPA 200.7	0.973	1.00	97	mg/L	
		Vanadium	EPA 200.7	0.935	1.00	94	mg/L	
		Zinc	EPA 200.7	0.915	1.00	92	mg/L	
QC13020239	LCS 1	Cyanate	SM 4500 CNL	1.01	1.00	101	mg/L	
QC13020246	LCS 1	Electrical Conductivity	SM 2510B	1365	1412	97	µmhos/cm	
QC13020357	LCS 1	WAD Cyanide	SM 4500CNI	0.086	0.100	86	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13020077	Duplicate	pH	SM 4500-H+ B	1302026-001	8.86	8.96	pH Units	1 %
QC13020077	Duplicate	pH	SM 4500-H+ B	1302027-003	9.24	9.25	pH Units	<1%
QC13020077	Duplicate	pH	SM 4500-H+ B	1302030-007	7.67	7.72	pH Units	1 %
QC13020077	Duplicate	pH	SM 4500-H+ B	1302030-017	7.79	7.85	pH Units	1 %
QC13020077	Duplicate	pH	SM 4500-H+ B	1302031-004	6.31	6.22	pH Units	1 %
QC13020077	Duplicate	pH	SM 4500-H+ B	1302031-014	4.09	4.09	pH Units	<1%
QC13020079	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302026-001	16.5	15.0	mg/L	9 %
		Carbonate (CO3)	SM 2320B	1302026-001	4.89	5.88	mg/L	18 %
		Hydroxide (OH)	SM 2320B	1302026-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302026-001	21.6	22.1	mg/L as CaCO3	2 %
QC13020079	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302027-003	363	361	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302027-003	108	109	mg/L	1 %
		Hydroxide (OH)	SM 2320B	1302027-003	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302027-003	477	477	mg/L as CaCO3	<1%
QC13020079	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302030-007	58.7	58.8	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302030-007	<1.000	<1.000	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13020079	Duplicate	Hydroxide (OH)	SM 2320B	1302030-007	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302030-007	48.2	48.2	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1302030-017	92.6	91.3	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1302030-017	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1302030-017	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302030-017	75.9	74.8	mg/L as CaCO3	1 %
QC13020081	Duplicate	Redox Potential	SM 2580B	1302031-001	450	454	mV	1 %
QC13020081	Duplicate	Redox Potential	SM 2580B	1302031-011	414	413	mV	<1%
QC13020081	Duplicate	Redox Potential	SM 2580B	1302031-016	490	493	mV	1 %
QC13020181	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301437-001	21.0	23.0	mg/L	9 %
QC13020181	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301438-006	45.0	45.0	mg/L	<1%
QC13020181	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301452-008	54.0	57.0	mg/L	5 %
QC13020181	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1301483-007	60.0	68.0	mg/L	12 %
QC13020181	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302008-004	884	896	mg/L	1 %
QC13020181	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302031-004	28.0	20.0	mg/L	33 %
QC13020181	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302031-014	31.0	34.0	mg/L	9 %
QC13020239	Duplicate	Cyanate	SM 4500 CNL	1302024-003	3.06	3.55	mg/L	15 %
QC13020246	Duplicate	Electrical Conductivity	SM 2510B	1302024-001	1035	1030	µmhos/cm	<1%
QC13020246	Duplicate	Electrical Conductivity	SM 2510B	1302060-003	4960	4855	µmhos/cm	2 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13020101	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1302005-002	0.107	0.944	0.953	1.00	mg/L	84	85	1 %
QC13020101	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1302043-002	0.058	0.873	0.866	1.00	mg/L	82	81	1 %
QC13020106	MS 1	Fluoride	EPA 300.0	1302012-012	0.229	2.21	2.23	2.00	mg/L	99	100	1 %
QC13020106	MS 2	Fluoride	EPA 300.0	1302030-005	<0.100	1.96	2.07	2.00	mg/L	101	106	5 %
QC13020109	MS 1	Chloride	EPA 300.0	1302012-012	<1.000	5.52	5.54	5.00	mg/L	108	108	<1%
QC13020109	MS 2	Chloride	EPA 300.0	1302030-005	<1.000	4.97	5.19	5.00	mg/L	98	102	4 %
QC13020112	MS 1	Nitrite Nitrogen	EPA 300.0	1302012-012	<0.025	HT 0.575	0.581	0.500	mg/L	113	114	1 %
QC13020112	MS 2	Nitrite Nitrogen	EPA 300.0	1302030-005	<0.025	0.522	0.543	0.500	mg/L	103	107	4 %
QC13020115	MS 1	Nitrate Nitrogen	EPA 300.0	1302012-012	<1.000	HT 2.39	2.29	2.00	mg/L	114	109	4 %
QC13020115	MS 2	Nitrate Nitrogen	EPA 300.0	1302030-005	<1.000	2.10	2.19	2.00	mg/L	99	104	4 %
QC13020119	MS 1	Sulfate	EPA 300.0	1302012-012	3.36	13.8	13.9	10.0	mg/L	105	105	1 %
QC13020119	MS 2	Sulfate	EPA 300.0	1302030-005	18.5	27.4	27.8	10.0	mg/L	89	93	1 %
QC13020124	MS 1	Total Cyanide	SM 4500CNC	1302024-001	0.375	M 0.526	0.524	0.100	mg/L	NC	NC	NC
QC13020134	MS 1	Total Cyanide	SM 4500CNC	1302024-002	0.097	0.201	0.194	0.100	mg/L	104	98	4 %
QC13020134	MS 2	Total Cyanide	SM 4500CNC	1302024-003	0.033	0.127	0.128	0.100	mg/L	94	95	1 %
QC13020196	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1302043-001	40.0	SC 62.4	55.4	0.690	mg/L	NC	NC	NC
QC13020196	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1301494-003	<0.100	0.754	0.731	0.690	mg/L	102	98	3 %
QC13020196	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1302018-001	<0.100	0.714	0.769	0.690	mg/L	96	104	7 %
QC13020199	MS 1	Mercury	EPA 200.8	1302002-002	0.000164	0.000996	0.001017	0.001	mg/L	83	85	2 %
		Antimony	EPA 200.8	1302002-002	<0.0025	0.0091	0.0092	0.010	mg/L	73	74	1 %
		Arsenic	EPA 200.8	1302002-002	0.0264	0.0737	0.0745	0.050	mg/L	95	96	1 %
		Cadmium	EPA 200.8	1302002-002	<0.0010	0.0094	0.0095	0.010	mg/L	87	88	1 %
		Copper	EPA 200.8	1302002-002	0.0971	0.1142	0.1255	0.020	mg/L	85	142	9 %
		Lead	EPA 200.8	1302002-002	0.0089	0.0170	0.0173	0.010	mg/L	81	84	2 %
		Selenium	EPA 200.8	1302002-002	<0.0050	0.0417	0.0413	0.050	mg/L	81	81	1 %
		Thallium	EPA 200.8	1302002-002	<0.0010	0.0084	0.0084	0.010	mg/L	84	84	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13020207	MS 1	Uranium	EPA 200.8	1302002-002	<0.0050	0.0104	0.0104	0.010	mg/L	90	90	<1%
		Aluminum	EPA 200.7	1302002-002	4.73	SC 11.3	10.7	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1302002-002	0.225	1.20	1.17	1.00	mg/L	98	94	3 %
		Bismuth	EPA 200.7	1302002-002	<0.100	0.953	0.946	1.00	mg/L	95	95	1 %
		Boron	EPA 200.7	1302002-002	0.208	1.20	1.18	1.00	mg/L	99	97	2 %
		Calcium	EPA 200.7	1302002-002	29.9	40.6	41.6	10.0	mg/L	107	117	2 %
		Cobalt	EPA 200.7	1302002-002	<0.010	0.965	0.938	1.00	mg/L	96	93	3 %
		Gallium	EPA 200.7	1302002-002	<0.100	0.927	0.913	1.00	mg/L	92	91	2 %
		Iron	EPA 200.7	1302002-002	4.95	SC 7.73	7.48	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1302002-002	0.396	1.29	1.30	1.00	mg/L	89	90	1 %
		Magnesium	EPA 200.7	1302002-002	1.78	11.6	11.5	10.0	mg/L	98	97	1 %
		Manganese	EPA 200.7	1302002-002	0.235	1.24	1.21	1.00	mg/L	100	98	2 %
		Molybdenum	EPA 200.7	1302002-002	0.029	0.934	0.933	1.00	mg/L	91	90	<1%
		Phosphorus	EPA 200.7	1302002-002	<0.500	5.11	5.06	5.00	mg/L	95	94	1 %
		Potassium	EPA 200.7	1302002-002	23.4	33.3	34.1	10.0	mg/L	99	107	2 %
		Scandium	EPA 200.7	1302002-002	<0.100	0.964	0.962	1.00	mg/L	96	96	<1%
		Silicon	EPA 200.7	1302002-002	24.7	M 47.0	46.6	10.0	mg/L	NC	NC	NC
		Sodium	EPA 200.7	1302002-002	188	SC 194	199	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1302002-002	2.16	3.05	3.09	1.00	mg/L	89	93	1 %
		Tin	EPA 200.7	1302002-002	<0.100	0.926	0.918	1.00	mg/L	95	94	1 %
		Titanium	EPA 200.7	1302002-002	0.110	1.18	1.17	1.00	mg/L	107	106	1 %
		Vanadium	EPA 200.7	1302002-002	0.056	1.02	1.00	1.00	mg/L	96	94	2 %
		Zinc	EPA 200.7	1302002-002	0.034	1.01	0.978	1.00	mg/L	98	94	3 %
QC13020241	MS 1	Thiocyanate	SM 4500 CN	1302024-003	1.31	2.34	2.42	0.500	mg/L	103	111	3 %
QC13020357	MS 1	WAD Cyanide	SM 4500CNI	1302060-002	163	SC 220	232	0.100	mg/L	NC	NC	NC
QC13020357	MS 2	WAD Cyanide	SM 4500CNI	1302024-002	0.011	0.114	0.119	0.100	mg/L	103	108	4 %

2/8/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1302111

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 2/7/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1302111

General Comments

None

Specific Comments

None

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- HT -- Sample held beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 2/8/2013

OrderID: 1302111

Customer Sample ID: 63304 7 Feb 13

Collect Date/Time: 2/7/2013 14:00

WETLAB Sample ID: 1302111-001

Receive Date: 2/7/2013 14:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
WAD Cyanide	SM 4500CNI	0.33	mg/L	0.050	2/8/2013

Customer Sample ID: 63307 7 Feb 13

Collect Date/Time: 2/7/2013 14:00

WETLAB Sample ID: 1302111-002

Receive Date: 2/7/2013 14:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
WAD Cyanide	SM 4500CNI	1.1	mg/L	0.10	2/8/2013

Customer Sample ID: 63319 7 Feb 13

Collect Date/Time: 2/7/2013 14:00

WETLAB Sample ID: 1302111-003

Receive Date: 2/7/2013 14:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
WAD Cyanide	SM 4500CNI	0.47	mg/L	0.050	2/8/2013

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13020243	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13020243	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13020243	Blank 3	WAD Cyanide	SM 4500CNI	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13020243	LCS 1	WAD Cyanide	SM 4500CNI	0.091	0.100	91	mg/L

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13020243	MS 1	WAD Cyanide	SM 4500CNI	1302107-001	<0.010	0.110	0.108	0.100	mg/L	110	108	2 %
QC13020243	MS 2	WAD Cyanide	SM 4500CNI	1302103-004	<0.010	0.103	0.103	0.100	mg/L	103	103	<1%

2/15/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1302163

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 2/11/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1302163

General Comments

None

Specific Comments

The analysis of the laboratory method blank revealed concentrations of Iron above the reporting limit during the analysis of samples 1302163-001 through 003. We apologize for any inconvenience this may have caused.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1302163-001 Mercury

1302163-002 Mercury

1302163-003 Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 2/15/2013

OrderID: 1302163

Customer Sample ID: 63301 11 Feb 13

Collect Date/Time: 2/11/2013 12:30

WETLAB Sample ID: 1302163-001

Receive Date: 2/11/2013 13:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.2	mg/L	0.10	2/15/2013
Thiocyanate	SM 4500 CNM	0.89	mg/L	0.20	2/15/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/12/2013
pH	SM 4500-H+ B	9.04	pH Units		2/11/2013
Trace Metals Digestion	EPA 200.2	Complete			2/12/2013
Acidity (Titrimetric)	SM 2310B	-50	mg/L as CaCO3		2/12/2013
Bicarbonate (HCO3)	SM 2320B	380	mg/L	1.0	2/11/2013
Carbonate (CO3)	SM 2320B	47	mg/L	1.0	2/11/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/11/2013
Total Alkalinity	SM 2320B	390	mg/L as CaCO3	1.0	2/11/2013
Redox Potential	SM 2580B	300	mV		2/11/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	2/12/2013
Fluoride	EPA 300.0	1.3	mg/L	0.10	2/12/2013
Sulfate	EPA 300.0	92	mg/L	1.0	2/12/2013
Nitrate Nitrogen	EPA 300.0	0.61	mg/L	0.010	2/12/2013
Nitrite Nitrogen	EPA 300.0	0.061	mg/L	0.010	2/12/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.88	mg/L	0.20	2/13/2013
Total Nitrogen	Calc.	1.5	mg/L	0.10	2/13/2013
Total Cyanide	SM 4500CNC	0.45	mg/L	0.050	2/12/2013
Total Dissolved Solids (TDS)	SM 2540C	660	mg/L	10	2/12/2013
WAD Cyanide	SM 4500CNI	0.020	mg/L	0.010	2/12/2013
Electrical Conductivity	SM 2510B	970	µmhos/cm	1	2/15/2013
Aluminum	EPA 200.7	3.9	mg/L	0.045	2/13/2013
Barium	EPA 200.7	0.044	mg/L	0.010	2/13/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/13/2013
Boron	EPA 200.7	0.057	mg/L	0.020	2/13/2013
Calcium	EPA 200.7	7.8	mg/L	0.50	2/13/2013

Page 3 of 13

Customer Sample ID: 63301 11 Feb 13

Collect Date/Time: 2/11/2013 12:30

WETLAB Sample ID: 1302163-001

Receive Date: 2/11/2013 13:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.0032	mg/L	0.0020	2/13/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/13/2013
Iron	EPA 200.7	2.0 B	mg/L	0.010	2/13/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	2/13/2013
Magnesium	EPA 200.7	0.66	mg/L	0.25	2/13/2013
Manganese	EPA 200.7	0.064	mg/L	0.0050	2/13/2013
Molybdenum	EPA 200.7	0.013	mg/L	0.0050	2/13/2013
Phosphorus	EPA 200.7	1.0	mg/L	0.10	2/13/2013
Potassium	EPA 200.7	3.7	mg/L	0.50	2/13/2013
Scandium	EPA 200.7	0.0011	mg/L	0.0010	2/13/2013
Silicon	EPA 200.7	24	mg/L	0.10	2/13/2013
Sodium	EPA 200.7	200	mg/L	0.50	2/13/2013
Strontium	EPA 200.7	0.11	mg/L	0.0020	2/13/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/13/2013
Titanium	EPA 200.7	0.057	mg/L	0.0050	2/13/2013
Vanadium	EPA 200.7	0.029	mg/L	0.010	2/13/2013
Zinc	EPA 200.7	0.039	mg/L	0.010	2/13/2013
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	2/12/2013
Antimony	EPA 200.8	0.64	mg/L	0.010	2/12/2013
Arsenic	EPA 200.8	4.6	mg/L	0.050	2/12/2013
Beryllium	EPA 200.8	<0.0002	mg/L	0.0002	2/13/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	2/13/2013
Chromium	EPA 200.8	0.0028	mg/L	0.0010	2/13/2013
Copper	EPA 200.8	0.016	mg/L	0.0050	2/13/2013
Lead	EPA 200.8	0.33	mg/L	0.010	2/12/2013
Nickel	EPA 200.8	0.0050	mg/L	0.0020	2/13/2013
Selenium	EPA 200.8	0.016	mg/L	0.0050	2/13/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	2/13/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	2/13/2013
Uranium	EPA 200.8	0.12	mg/L	0.010	2/12/2013
Anions	Calculation	9.82	meq/L	0.10	
Cations	Calculation	9.27	meq/L	0.10	
Error	Calculation	2.9	%	1.0	

Customer Sample ID: 63316 11 Feb 13

Collect Date/Time: 2/11/2013 12:30

WETLAB Sample ID: 1302163-002

Receive Date: 2/11/2013 13:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.60	mg/L	0.20	2/15/2013
Cyanate	SM 4500 CNL	5.8	mg/L	0.10	2/15/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/12/2013
pH	SM 4500-H+ B	9.17	pH Units		2/11/2013
Trace Metals Digestion	EPA 200.2	Complete			2/12/2013
Acidity (Titrimetric)	SM 2310B	-69	mg/L as CaCO3		2/12/2013
Bicarbonate (HCO3)	SM 2320B	430	mg/L	1.0	2/11/2013
Carbonate (CO3)	SM 2320B	66	mg/L	1.0	2/11/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/11/2013
Total Alkalinity	SM 2320B	460	mg/L as CaCO3	1.0	2/11/2013
Redox Potential	SM 2580B	280	mV		2/11/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	2/12/2013
Fluoride	EPA 300.0	1.4	mg/L	0.10	2/12/2013
Sulfate	EPA 300.0	150	mg/L	1.0	2/12/2013
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/12/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/12/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.53	mg/L	0.20	2/13/2013
Total Nitrogen	Calc.	0.53	mg/L	0.10	2/13/2013
Total Cyanide	SM 4500CNC	0.076	mg/L	0.010	2/12/2013
Total Dissolved Solids (TDS)	SM 2540C	780	mg/L	10	2/12/2013
WAD Cyanide	SM 4500CNI	<0.010	mg/L	0.010	2/12/2013
Electrical Conductivity	SM 2510B	1200	µmhos/cm	1	2/15/2013
Aluminum	EPA 200.7	3.0	mg/L	0.045	2/13/2013
Barium	EPA 200.7	0.031	mg/L	0.010	2/13/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/13/2013
Boron	EPA 200.7	0.042	mg/L	0.020	2/13/2013
Calcium	EPA 200.7	6.9	mg/L	0.50	2/13/2013
Cobalt	EPA 200.7	0.0024	mg/L	0.0020	2/13/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/13/2013
Iron	EPA 200.7	1.7 B	mg/L	0.010	2/13/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	2/13/2013
Magnesium	EPA 200.7	0.43	mg/L	0.25	2/13/2013
Manganese	EPA 200.7	0.041	mg/L	0.0050	2/13/2013
Molybdenum	EPA 200.7	0.0054	mg/L	0.0050	2/13/2013
Phosphorus	EPA 200.7	0.54	mg/L	0.10	2/13/2013
Potassium	EPA 200.7	4.1	mg/L	0.50	2/13/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/13/2013
Silicon	EPA 200.7	22	mg/L	0.10	2/13/2013

Customer Sample ID: 63316 11 Feb 13

Collect Date/Time: 2/11/2013 12:30

WETLAB Sample ID: 1302163-002

Receive Date: 2/11/2013 13:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	240	mg/L	0.50	2/13/2013
Strontium	EPA 200.7	0.087	mg/L	0.0020	2/13/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/13/2013
Titanium	EPA 200.7	0.056	mg/L	0.0050	2/13/2013
Vanadium	EPA 200.7	0.026	mg/L	0.010	2/13/2013
Zinc	EPA 200.7	0.048	mg/L	0.010	2/13/2013
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	2/12/2013
Antimony	EPA 200.8	0.68	mg/L	0.010	2/12/2013
Arsenic	EPA 200.8	3.6	mg/L	0.050	2/12/2013
Beryllium	EPA 200.8	<0.0002	mg/L	0.0002	2/13/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	2/13/2013
Chromium	EPA 200.8	0.0022	mg/L	0.0010	2/13/2013
Copper	EPA 200.8	0.046	mg/L	0.0050	2/13/2013
Lead	EPA 200.8	0.28	mg/L	0.010	2/12/2013
Nickel	EPA 200.8	0.0037	mg/L	0.0020	2/13/2013
Selenium	EPA 200.8	0.014	mg/L	0.0050	2/13/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	2/13/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	2/13/2013
Uranium	EPA 200.8	0.11	mg/L	0.010	2/12/2013
Anions	Calculation	12.4	meq/L	0.10	
Cations	Calculation	10.6	meq/L	0.10	
Error	Calculation	7.9	%	1.0	

Customer Sample ID: 63322 11 Feb 13

Collect Date/Time: 2/11/2013 12:30

WETLAB Sample ID: 1302163-003

Receive Date: 2/11/2013 13:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.2	mg/L	0.10	2/15/2013
Thiocyanate	SM 4500 CNM	1.1	mg/L	0.20	2/15/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/12/2013
pH	SM 4500-H+ B	8.84	pH Units		2/11/2013
Trace Metals Digestion	EPA 200.2	Complete			2/12/2013
Acidity (Titrimetric)	SM 2310B	-74	mg/L as CaCO3		2/12/2013
Bicarbonate (HCO3)	SM 2320B	620	mg/L	1.0	2/11/2013
Carbonate (CO3)	SM 2320B	40	mg/L	1.0	2/11/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/11/2013
Total Alkalinity	SM 2320B	580	mg/L as CaCO3	1.0	2/11/2013
Redox Potential	SM 2580B	290	mV		2/11/2013

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Customer Sample ID: 63322 11 Feb 13

Collect Date/Time: 2/11/2013 12:30

WETLAB Sample ID: 1302163-003

Receive Date: 2/11/2013 13:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	0.20	mg/L	0.10	2/12/2013
Fluoride	EPA 300.0	0.93	mg/L	0.10	2/12/2013
Sulfate	EPA 300.0	25	mg/L	1.0	2/12/2013
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/12/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/12/2013
Total Kjeldahl Nitrogen	EPA 351.2	1.1	mg/L	0.20	2/13/2013
Total Nitrogen	Calc.	1.1	mg/L	0.10	2/13/2013
Total Cyanide	SM 4500CNC	0.046	mg/L	0.010	2/12/2013
Total Dissolved Solids (TDS)	SM 2540C	680	mg/L	10	2/12/2013
WAD Cyanide	SM 4500CNI	0.024	mg/L	0.010	2/12/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	2/15/2013
Aluminum	EPA 200.7	2.1	mg/L	0.045	2/13/2013
Barium	EPA 200.7	0.027	mg/L	0.010	2/13/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/13/2013
Boron	EPA 200.7	0.095	mg/L	0.020	2/13/2013
Calcium	EPA 200.7	5.1	mg/L	0.50	2/13/2013
Cobalt	EPA 200.7	0.0038	mg/L	0.0020	2/13/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/13/2013
Iron	EPA 200.7	1.3 B	mg/L	0.010	2/13/2013
Lithium	EPA 200.7	0.054	mg/L	0.020	2/13/2013
Magnesium	EPA 200.7	0.69	mg/L	0.25	2/13/2013
Manganese	EPA 200.7	0.036	mg/L	0.0050	2/13/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	2/13/2013
Phosphorus	EPA 200.7	0.40	mg/L	0.10	2/13/2013
Potassium	EPA 200.7	3.7	mg/L	0.50	2/13/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/13/2013
Silicon	EPA 200.7	19	mg/L	0.10	2/13/2013
Sodium	EPA 200.7	240	mg/L	0.50	2/13/2013
Strontium	EPA 200.7	0.077	mg/L	0.0020	2/13/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/13/2013
Titanium	EPA 200.7	0.078	mg/L	0.0050	2/13/2013
Vanadium	EPA 200.7	0.020	mg/L	0.010	2/13/2013
Zinc	EPA 200.7	0.037	mg/L	0.010	2/13/2013
Mercury	EPA 200.8	<0.0007	mg/L	0.0007	2/12/2013
Antimony	EPA 200.8	0.30	mg/L	0.010	2/12/2013
Arsenic	EPA 200.8	2.8	mg/L	0.050	2/12/2013
Beryllium	EPA 200.8	<0.0002	mg/L	0.0002	2/13/2013
Cadmium	EPA 200.8	<0.0002	mg/L	0.0002	2/13/2013

Customer Sample ID: 63322 11 Feb 13

Collect Date/Time: 2/11/2013 12:30

WETLAB Sample ID: 1302163-003

Receive Date: 2/11/2013 13:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.8	0.0028	mg/L	0.0010	2/13/2013
Copper	EPA 200.8	0.093	mg/L	0.0050	2/13/2013
Lead	EPA 200.8	0.23	mg/L	0.010	2/12/2013
Nickel	EPA 200.8	0.0034	mg/L	0.0020	2/13/2013
Selenium	EPA 200.8	0.0080	mg/L	0.0050	2/13/2013
Silver	EPA 200.8	<0.0005	mg/L	0.0005	2/13/2013
Thallium	EPA 200.8	<0.0002	mg/L	0.0002	2/13/2013
Uranium	EPA 200.8	0.047	mg/L	0.010	2/12/2013
Anions	Calculation	12.1	meq/L	0.10	
Cations	Calculation	10.4	meq/L	0.10	
Error	Calculation	7.4	%	1.0	

Western Environmental Testing Laboratory QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13020324	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13020324	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13020324	Blank 3	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13020325	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13020325	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13020329	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020329	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020329	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020335	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020335	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020337	Blank 1	Uranium, Dissolved	EPA 200.8	<0.0050	mg/L
		Mercury, Dissolved	EPA 200.8	<0.00010	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Copper, Dissolved	EPA 200.8	<0.0050	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
QC13020338	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13020338	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13020346	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13020346	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13020346	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13020348	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13020348	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13020348	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13020352	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13020352	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13020352	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13020366	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020366	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020366	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020374	Blank 1	Aluminum, Dissolved	EPA 200.7	<0.045	mg/L
		Barium, Dissolved	EPA 200.7	<0.010	mg/L
		Bismuth, Dissolved	EPA 200.7	<0.10	mg/L
		Boron, Dissolved	EPA 200.7	<0.10	mg/L
		Calcium, Dissolved	EPA 200.7	<0.50	mg/L
		Cobalt, Dissolved	EPA 200.7	<0.010	mg/L
		Gallium, Dissolved	EPA 200.7	<0.10	mg/L
		Iron, Dissolved	EPA 200.7	0.016	mg/L
		Lithium, Dissolved	EPA 200.7	<0.10	mg/L
		Magnesium, Dissolved	EPA 200.7	<0.50	mg/L
		Manganese, Dissolved	EPA 200.7	<0.0050	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Phosphorus, Dissolved	EPA 200.7	<0.50	mg/L
		Potassium, Dissolved	EPA 200.7	<0.50	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Scandium, Dissolved	EPA 200.7	<0.10	mg/L
		Silicon, Dissolved	EPA 200.7	<0.10	mg/L
		Sodium, Dissolved	EPA 200.7	<0.50	mg/L
		Strontium, Dissolved	EPA 200.7	<0.10	mg/L
		Tin, Dissolved	EPA 200.7	<0.10	mg/L
		Titanium, Dissolved	EPA 200.7	<0.10	mg/L
		Vanadium, Dissolved	EPA 200.7	<0.010	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC13020394	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020394	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020397	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020397	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020447	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13020447	Blank 2	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13020447	Blank 3	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13020448	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13020448	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13020452	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13020452	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13020309	LCS 1	Redox Potential	SM 2580B	218	221	98	mV
QC13020324	LCS 1	WAD Cyanide	SM 4500CNI	0.100	0.100	100	mg/L
QC13020325	LCS 1	Total Cyanide	SM 4500CNC	0.089	0.100	89	mg/L
QC13020326	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13020326	LCS 2	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13020326	LCS 3	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13020328	LCS 1	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13020328	LCS 2	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13020328	LCS 3	Total Alkalinity	SM 2320B	99.5	100	100	mg/L
QC13020328	LCS 4	Total Alkalinity	SM 2320B	99.8	100	100	mg/L
QC13020329	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.888	1.00	89	mg/L
QC13020329	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.829	1.00	83	mg/L
QC13020335	LCS 1	Nitrite Nitrogen	EPA 300.0	0.480	0.500	96	mg/L
QC13020337	LCS 1	Uranium, Dissolved	EPA 200.8	0.0094	0.010	94	mg/L
		Mercury, Dissolved	EPA 200.8	0.000972	0.001	97	mg/L
		Antimony, Dissolved	EPA 200.8	0.0095	0.010	95	mg/L
		Arsenic, Dissolved	EPA 200.8	0.0511	0.050	102	mg/L
		Cadmium, Dissolved	EPA 200.8	0.0100	0.010	100	mg/L
		Copper, Dissolved	EPA 200.8	0.0093	0.010	93	mg/L
		Lead, Dissolved	EPA 200.8	0.0095	0.010	95	mg/L
		Selenium, Dissolved	EPA 200.8	0.0478	0.050	96	mg/L
		Thallium, Dissolved	EPA 200.8	0.0095	0.010	95	mg/L
QC13020338	LCS 1	Nitrate Nitrogen	EPA 300.0	2.02	2.00	101	mg/L
QC13020346	LCS 1	Fluoride	EPA 300.0	1.97	2.00	98	mg/L
QC13020348	LCS 1	Chloride	EPA 300.0	9.64	10.0	96	mg/L
QC13020352	LCS 1	Sulfate	EPA 300.0	23.4	25.0	94	mg/L
QC13020366	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.671	0.690	97	mg/L
QC13020374	LCS 1	Aluminum, Dissolved	EPA 200.7	0.938	1.00	94	mg/L
		Barium, Dissolved	EPA 200.7	0.943	1.00	94	mg/L
		Bismuth, Dissolved	EPA 200.7	0.950	1.00	95	mg/L
		Boron, Dissolved	EPA 200.7	0.920	1.00	92	mg/L
		Calcium, Dissolved	EPA 200.7	9.67	10.0	97	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
		Cobalt, Dissolved	EPA 200.7	0.956	1.00	96	mg/L
		Gallium, Dissolved	EPA 200.7	0.944	1.00	94	mg/L
		Iron, Dissolved	EPA 200.7	0.959	1.00	96	mg/L
		Lithium, Dissolved	EPA 200.7	0.940	1.00	94	mg/L
		Magnesium, Dissolved	EPA 200.7	9.20	10.0	92	mg/L
		Manganese, Dissolved	EPA 200.7	0.964	1.00	96	mg/L
		Molybdenum, Dissolved	EPA 200.7	0.941	1.00	94	mg/L
		Phosphorus, Dissolved	EPA 200.7	4.79	5.00	96	mg/L
		Potassium, Dissolved	EPA 200.7	9.61	10.0	96	mg/L
		Scandium, Dissolved	EPA 200.7	0.942	1.00	94	mg/L
		Silicon, Dissolved	EPA 200.7	9.29	10.0	93	mg/L
		Sodium, Dissolved	EPA 200.7	9.11	10.0	91	mg/L
		Strontium, Dissolved	EPA 200.7	0.907	1.00	91	mg/L
		Tin, Dissolved	EPA 200.7	0.952	1.00	95	mg/L
		Titanium, Dissolved	EPA 200.7	0.959	1.00	96	mg/L
		Vanadium, Dissolved	EPA 200.7	0.935	1.00	94	mg/L
		Zinc, Dissolved	EPA 200.7	0.968	1.00	97	mg/L
QC13020394	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	156	150	104	mg/L
QC13020394	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	157	150	105	mg/L
QC13020397	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.660	0.690	96	mg/L
QC13020447	LCS 1	Electrical Conductivity	SM 2510B	1367	1412	97	µmhos/cm
QC13020447	LCS 2	Electrical Conductivity	SM 2510B	1355	1412	96	µmhos/cm
QC13020448	LCS 1	Cyanate	SM 4500 CNL	1.02	1.00	102	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13020309	Duplicate	Redox Potential	SM 2580B	1302163-002	282	283	mV	<1%
QC13020326	Duplicate	pH	SM 4500-H+ B	1302164-001	7.60	7.56	pH Units	1 %
QC13020326	Duplicate	pH	SM 4500-H+ B	1302166-001	2.54	2.54	pH Units	<1%
QC13020326	Duplicate	pH	SM 4500-H+ B	1302166-002	7.47	7.51	pH Units	1 %
QC13020326	Duplicate	pH	SM 4500-H+ B	1302166-003	7.48	7.47	pH Units	<1%
QC13020326	Duplicate	pH	SM 4500-H+ B	1302166-004	7.65	7.75	pH Units	1 %
QC13020328	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302164-001	208	232	mg/L	11 %
		Carbonate (CO3)	SM 2320B	1302164-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1302164-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302164-001	170	190	mg/L as CaCO3	11 %
QC13020328	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302168-003	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302168-003	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1302168-003	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302168-003	<1.000	<1.000	mg/L as CaCO3	<1%
QC13020328	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302166-002	42.0	42.1	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302166-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1302166-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302166-002	34.5	34.6	mg/L as CaCO3	<1%
QC13020328	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302166-003	51.3	52.0	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1302166-003	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1302166-003	<1.000	<1.000	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13020328	Duplicate	Total Alkalinity	SM 2320B	1302166-003	42.1	42.6	mg/L as CaCO3	1 %
		Bicarbonate (HCO3)	SM 2320B	1302166-004	68.3	68.1	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302166-004	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1302166-004	<1.000	<1.000	mg/L	<1%
QC13020358	Duplicate	Total Alkalinity	SM 2320B	1302166-004	56.0	55.8	mg/L as CaCO3	<1%
		Acidity (Titrimetric)	SM 2310B	1302112-004	43.0	43.0	mg/L as CaCO3	<1%
QC13020358	Duplicate	Acidity (Titrimetric)	SM 2310B	1302168-001	9.00	9.00	mg/L as CaCO3	<1%
QC13020394	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302061-002	45.0	40.0	mg/L	12 %
QC13020394	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302085-003	138	130	mg/L	6 %
QC13020394	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302149-004	1244	1460	mg/L	16 %
QC13020394	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302164-003	1632	1552	mg/L	5 %
QC13020447	Duplicate	Electrical Conductivity	SM 2510B	1302168-001	37.4	37.5	µmhos/cm	<1%
QC13020447	Duplicate	Electrical Conductivity	SM 2510B	1302168-008	7.45	7.38	µmhos/cm	1 %
QC13020447	Duplicate	Electrical Conductivity	SM 2510B	1302231-001	594	593	µmhos/cm	<1%
QC13020448	Duplicate	Cyanate	SM 4500 CNL	1302163-003	3.18	3.85	mg/L	19 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13020324	MS 1	WAD Cyanide	SM 4500CNI	1302163-001	0.020	0.121	0.119	0.100	mg/L	101	99	2 %
QC13020324	MS 2	WAD Cyanide	SM 4500CNI	1302125-003	<0.010	0.102	0.101	0.100	mg/L	102	101	1 %
QC13020325	MS 1	Total Cyanide	SM 4500CNC	1302163-003	0.046	0.141	0.138	0.100	mg/L	96	93	2 %
QC13020329	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1302145-002	0.100	0.924	0.961	1.00	mg/L	82	86	4 %
QC13020329	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1302072-001	0.186	0.984	1.00	1.00	mg/L	80	81	2 %
QC13020335	MS 1	Nitrite Nitrogen	EPA 300.0	1302163-003	<0.010	0.232	0.233	0.250	mg/L	89	90	<1%
QC13020337	MS 1	Uranium, Dissolved	EPA 200.8	1302106-002	<0.0050	0.0119	0.0115	0.010	mg/L	97	94	3 %
		Mercury, Dissolved	EPA 200.8	1302106-002	<0.00010	0.000969	0.000958	0.001	mg/L	95	94	1 %
		Antimony, Dissolved	EPA 200.8	1302106-002	<0.0025	0.0100	0.0097	0.010	mg/L	93	90	3 %
		Arsenic, Dissolved	EPA 200.8	1302106-002	0.0639	0.1190	0.1166	0.050	mg/L	110	106	2 %
		Cadmium, Dissolved	EPA 200.8	1302106-002	<0.0010	0.0093	0.0094	0.010	mg/L	90	92	1 %
		Copper, Dissolved	EPA 200.8	1302106-002	<0.0050	0.0111	0.0112	0.010	mg/L	91	92	1 %
		Lead, Dissolved	EPA 200.8	1302106-002	<0.0025	0.0093	0.0093	0.010	mg/L	93	92	<1%
		Selenium, Dissolved	EPA 200.8	1302106-002	<0.0050	0.0487	0.0479	0.050	mg/L	97	95	2 %
		Thallium, Dissolved	EPA 200.8	1302106-002	<0.0010	0.0091	0.0091	0.010	mg/L	91	91	<1%
QC13020338	MS 1	Nitrate Nitrogen	EPA 300.0	1302163-003	<0.010	0.955	0.970	1.00	mg/L	95	96	2 %
QC13020346	MS 1	Fluoride	EPA 300.0	1302166-003	<0.100	1.96	2.02	2.00	mg/L	100	103	3 %
QC13020346	MS 2	Fluoride	EPA 300.0	1302167-002	<0.100	1.99	2.03	2.00	mg/L	100	102	2 %
QC13020348	MS 1	Chloride	EPA 300.0	1302166-003	<1.000	5.08	5.25	5.00	mg/L	99	102	3 %
QC13020348	MS 2	Chloride	EPA 300.0	1302167-002	<1.000	4.99	5.11	5.00	mg/L	99	101	2 %
QC13020352	MS 1	Sulfate	EPA 300.0	1302166-003	1.75	11.1	11.6	10.0	mg/L	94	99	4 %
QC13020352	MS 2	Sulfate	EPA 300.0	1302167-002	18.9	28.3	28.6	10.0	mg/L	94	96	1 %
QC13020366	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1302104-001	<0.200	0.667	0.662	0.690	mg/L	90	89	1 %
QC13020366	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1302164-001	0.578	1.25	1.20	0.690	mg/L	98	91	4 %
QC13020374	MS 1	Aluminum, Dissolved	EPA 200.7	1302106-002	<0.045	1.04	1.03	1.00	mg/L	100	99	1 %
		Barium, Dissolved	EPA 200.7	1302106-002	0.038	0.998	0.993	1.00	mg/L	96	95	1 %
		Bismuth, Dissolved	EPA 200.7	1302106-002	<0.100	0.978	0.970	1.00	mg/L	99	98	1 %
		Boron, Dissolved	EPA 200.7	1302106-002	<0.100	1.11	1.12	1.00	mg/L	102	103	1 %
		Calcium, Dissolved	EPA 200.7	1302106-002	87.4	97.5	95.4	10.0	mg/L	101	80	2 %
		Cobalt, Dissolved	EPA 200.7	1302106-002	<0.010	0.914	0.913	1.00	mg/L	91	91	<1%
		Gallium, Dissolved	EPA 200.7	1302106-002	<0.100	0.982	0.979	1.00	mg/L	98	98	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result		MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Iron, Dissolved	EPA 200.7	1302106-002	0.081	B	1.02	1.01	1.00	mg/L	94	93	1 %
		Lithium, Dissolved	EPA 200.7	1302106-002	<0.100		0.955	0.951	1.00	mg/L	93	93	<1%
		Magnesium, Dissolved	EPA 200.7	1302106-002	15.7		24.3	24.0	10.0	mg/L	86	83	1 %
		Manganese, Dissolved	EPA 200.7	1302106-002	<0.005		0.926	0.922	1.00	mg/L	95	95	<1%
		Molybdenum, Dissolved	EPA 200.7	1302106-002	<0.010		0.974	0.971	1.00	mg/L	97	97	<1%
		Phosphorus, Dissolved	EPA 200.7	1302106-002	<0.500		5.14	5.13	5.00	mg/L	102	101	<1%
		Potassium, Dissolved	EPA 200.7	1302106-002	3.42		13.2	13.0	10.0	mg/L	98	96	2 %
		Scandium, Dissolved	EPA 200.7	1302106-002	<0.100		0.963	0.962	1.00	mg/L	96	96	<1%
		Silicon, Dissolved	EPA 200.7	1302106-002	18.5		27.6	27.2	10.0	mg/L	91	87	1 %
		Sodium, Dissolved	EPA 200.7	1302106-002	43.3		52.8	52.1	10.0	mg/L	95	88	1 %
		Strontium, Dissolved	EPA 200.7	1302106-002	0.553		1.50	1.50	1.00	mg/L	95	95	<1%
		Tin, Dissolved	EPA 200.7	1302106-002	<0.100		0.910	0.913	1.00	mg/L	95	95	<1%
		Titanium, Dissolved	EPA 200.7	1302106-002	<0.100		0.958	0.955	1.00	mg/L	96	96	<1%
		Vanadium, Dissolved	EPA 200.7	1302106-002	0.032		1.01	1.01	1.00	mg/L	98	98	<1%
		Zinc, Dissolved	EPA 200.7	1302106-002	<0.010		0.933	0.932	1.00	mg/L	93	93	<1%
QC13020397	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1302140-001	0.199	M	1.09	1.21	0.690	mg/L	NC	NC	NC
QC13020452	MS 1	Thiocyanate	SM 4500 CN	1302163-003	1.15		2.35	2.32	0.500	mg/L	120	117	1 %

2/14/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1302210

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 2/13/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1302210

General Comments

None

Specific Comments

None

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates**7950 Security Circle****Reno, NV 89506****Attn:** Terry Albert**Phone:** (775) 972-7575 **Fax:** (775) 972-4567**PO\Project:** Eagle Gold**Date Printed:** 2/14/2013**OrderID:** 1302210**Customer Sample ID:** 65963 A**Collect Date/Time:** 2/13/2013 10:00**WETLAB Sample ID:** 1302210-001**Receive Date:** 2/13/2013 10:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Cyanide	SM 4500CNC	5.5	SC mg/L	1.0	2/14/2013
WAD Cyanide	SM 4500CNI	0.37	mg/L	0.050	2/14/2013

Customer Sample ID: 65963 B**Collect Date/Time:** 2/13/2013 10:00**WETLAB Sample ID:** 1302210-002**Receive Date:** 2/13/2013 10:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Cyanide	SM 4500CNC	5.6	mg/L	1.0	2/14/2013
WAD Cyanide	SM 4500CNI	0.30	mg/L	0.050	2/14/2013

Customer Sample ID: 65963 C**Collect Date/Time:** 2/13/2013 10:00**WETLAB Sample ID:** 1302210-003**Receive Date:** 2/13/2013 10:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Cyanide	SM 4500CNC	4.8	mg/L	1.0	2/14/2013
WAD Cyanide	SM 4500CNI	0.33	mg/L	0.050	2/14/2013

Customer Sample ID: 65963 D**Collect Date/Time:** 2/13/2013 10:00**WETLAB Sample ID:** 1302210-004**Receive Date:** 2/13/2013 10:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Cyanide	SM 4500CNC	5.1	mg/L	1.0	2/14/2013
WAD Cyanide	SM 4500CNI	0.38	mg/L	0.050	2/14/2013

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13020386	Blank 1	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13020386	Blank 2	WAD Cyanide	SM 4500CNI	<0.010	mg/L
QC13020387	Blank 1	Total Cyanide	SM 4500CNC	<0.010	mg/L
QC13020387	Blank 2	Total Cyanide	SM 4500CNC	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13020386	LCS 1	WAD Cyanide	SM 4500CNI	0.093	0.100	93	mg/L
QC13020387	LCS 1	Total Cyanide	SM 4500CNC	0.087	0.100	87	mg/L

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13020386	MS 1	WAD Cyanide	SM 4500CNI	1302143-001	<0.010	0.107	0.102	0.100	mg/L	107	102	5 %
QC13020387	MS 1	Total Cyanide	SM 4500CNC	1302210-001	5.51	SC 5.15	4.82	0.100	mg/L	NC	NC	NC

3/4/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1302292

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 2/19/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1302292

General Comments

None

Specific Comments

The analysis of the laboratory method blank revealed concentrations of Manganese above the reporting limit during the analysis of sample 1302292-001, 002 and 003 . We apologize for any inconvenience this may have caused.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1302292-001, 002 and 003 Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
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- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 3/4/2013

OrderID: 1302292

Customer Sample ID: 63301 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-001

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	1.1	mg/L	0.10	2/22/2013
Cyanate	SM 4500 CNL	4.2	mg/L	0.10	2/22/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/21/2013
pH	SM 4500-H+ B	8.68	pH Units		2/19/2013
Trace Metals Digestion	EPA 200.2	Complete			2/25/2013
Acidity (Titrimetric)	SM 2310B	-51	mg/L as CaCO3		2/22/2013
Bicarbonate (HCO3)	SM 2320B	410	mg/L	1.0	2/19/2013
Carbonate (CO3)	SM 2320B	16	mg/L	1.0	2/19/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/19/2013
Total Alkalinity	SM 2320B	360	mg/L as CaCO3	1.0	2/19/2013
Redox Potential	SM 2580B	270	mV		2/19/2013
Chloride	EPA 300.0	2.1	mg/L	0.10	2/20/2013
Fluoride	EPA 300.0	1.2	mg/L	0.10	2/20/2013
Sulfate	EPA 300.0	74	mg/L	1.0	2/20/2013
Nitrate Nitrogen	EPA 300.0	0.48	mg/L	0.10	2/20/2013
Nitrite Nitrogen	EPA 300.0	0.035	mg/L	0.025	2/20/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.93	mg/L	0.10	3/1/2013
Total Nitrogen	Calc.	1.4	mg/L	0.070	3/1/2013
Total Cyanide	SM 4500CNC	0.31	mg/L	0.050	2/20/2013
Total Dissolved Solids (TDS)	SM 2540C	630	mg/L	10	2/21/2013
WAD Cyanide	SM 4500CNI	0.019	mg/L	0.010	2/20/2013
Electrical Conductivity	SM 2510B	840	µmhos/cm	1	2/22/2013
Aluminum	EPA 200.7	3.2	mg/L	0.045	2/26/2013
Barium	EPA 200.7	0.037	mg/L	0.010	2/26/2013
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	2/26/2013
Bismuth	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Boron	EPA 200.7	<0.100	mg/L	0.100	2/26/2013

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Customer Sample ID: 63301 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-001

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cadmium	EPA 200.7	<0.0010	mg/L	0.0010	2/26/2013
Calcium	EPA 200.7	7.5	mg/L	0.50	2/26/2013
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	2/26/2013
Cobalt	EPA 200.7	<0.010	mg/L	0.010	2/26/2013
Copper	EPA 200.7	<0.050	mg/L	0.050	2/26/2013
Gallium	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Iron	EPA 200.7	1.9	mg/L	0.010	2/26/2013
Lithium	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Magnesium	EPA 200.7	0.66	mg/L	0.50	2/26/2013
Manganese	EPA 200.7	0.057 B	mg/L	0.0050	2/26/2013
Molybdenum	EPA 200.7	<0.010	mg/L	0.010	2/26/2013
Nickel	EPA 200.7	<0.010	mg/L	0.010	2/26/2013
Phosphorus	EPA 200.7	1.0	mg/L	0.50	2/26/2013
Potassium	EPA 200.7	3.4	mg/L	0.50	2/26/2013
Scandium	EPA 200.7	<0.100	mg/L	0.100	2/26/2013
Silicon	EPA 200.7	22	mg/L	0.10	2/26/2013
Silver	EPA 200.7	<0.0050	mg/L	0.0050	2/26/2013
Sodium	EPA 200.7	180	mg/L	0.50	2/26/2013
Strontium	EPA 200.7	0.10	mg/L	0.10	2/26/2013
Tin	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Titanium	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Vanadium	EPA 200.7	0.033	mg/L	0.010	2/26/2013
Zinc	EPA 200.7	0.055	mg/L	0.010	2/26/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/27/2013
Antimony	EPA 200.8	0.51	mg/L	0.025	2/26/2013
Arsenic	EPA 200.8	4.2	mg/L	0.050	2/26/2013
Lead	EPA 200.8	0.26	mg/L	0.025	2/27/2013
Selenium	EPA 200.8	0.016	mg/L	0.0050	2/26/2013
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	2/27/2013
Uranium	EPA 200.8	0.084	mg/L	0.0050	2/27/2013

Customer Sample ID: 63316 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-002

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	4.9	mg/L	0.10	2/22/2013
Thiocyanate	SM 4500 CNM	0.63	mg/L	0.10	2/22/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/21/2013

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Customer Sample ID: 63316 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-002

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
pH	SM 4500-H+ B	8.73	pH Units		2/19/2013
Trace Metals Digestion	EPA 200.2	Complete			2/25/2013
Acidity (Titrimetric)	SM 2310B	-79	mg/L as CaCO ₃		2/22/2013
Bicarbonate (HCO ₃)	SM 2320B	470	mg/L	1.0	2/19/2013
Carbonate (CO ₃)	SM 2320B	22	mg/L	1.0	2/19/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/19/2013
Total Alkalinity	SM 2320B	420	mg/L as CaCO ₃	1.0	2/19/2013
Redox Potential	SM 2580B	280	mV		2/19/2013
Chloride	EPA 300.0	1.3	mg/L	0.10	2/20/2013
Fluoride	EPA 300.0	1.2	mg/L	0.10	2/20/2013
Sulfate	EPA 300.0	130	mg/L	1.0	2/20/2013
Nitrate Nitrogen	EPA 300.0	<0.10	mg/L	0.10	2/20/2013
Nitrite Nitrogen	EPA 300.0	0.055	mg/L	0.025	2/20/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.54	mg/L	0.10	3/1/2013
Total Nitrogen	Calc.	0.59	mg/L	0.070	3/1/2013
Total Cyanide	SM 4500CNC	0.084	mg/L	0.010	2/20/2013
Total Dissolved Solids (TDS)	SM 2540C	730	mg/L	10	2/21/2013
WAD Cyanide	SM 4500CNI	<0.010	mg/L	0.010	2/20/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	2/22/2013
Aluminum	EPA 200.7	2.5	mg/L	0.045	2/26/2013
Barium	EPA 200.7	0.026	mg/L	0.010	2/26/2013
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	2/26/2013
Bismuth	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Boron	EPA 200.7	<0.100	mg/L	0.100	2/26/2013
Cadmium	EPA 200.7	<0.0010	mg/L	0.0010	2/26/2013
Calcium	EPA 200.7	6.0	mg/L	0.50	2/26/2013
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	2/26/2013
Cobalt	EPA 200.7	<0.010	mg/L	0.010	2/26/2013
Copper	EPA 200.7	<0.050	mg/L	0.050	2/26/2013
Gallium	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Iron	EPA 200.7	1.4	mg/L	0.010	2/26/2013
Lithium	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Magnesium	EPA 200.7	<0.50	mg/L	0.50	2/26/2013
Manganese	EPA 200.7	0.036 B	mg/L	0.0050	2/26/2013
Molybdenum	EPA 200.7	<0.010	mg/L	0.010	2/26/2013
Nickel	EPA 200.7	<0.010	mg/L	0.010	2/26/2013
Phosphorus	EPA 200.7	0.53	mg/L	0.50	2/26/2013
Potassium	EPA 200.7	3.9	mg/L	0.50	2/26/2013

Customer Sample ID: 63316 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-002

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Scandium	EPA 200.7	<0.100	mg/L	0.100	2/26/2013
Silicon	EPA 200.7	19	mg/L	0.10	2/26/2013
Silver	EPA 200.7	<0.0050	mg/L	0.0050	2/26/2013
Sodium	EPA 200.7	240	mg/L	0.50	2/26/2013
Strontium	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Tin	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Titanium	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Vanadium	EPA 200.7	0.023	mg/L	0.010	2/26/2013
Zinc	EPA 200.7	0.039	mg/L	0.010	2/26/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/27/2013
Antimony	EPA 200.8	0.60	mg/L	0.025	2/26/2013
Arsenic	EPA 200.8	3.3	mg/L	0.050	2/26/2013
Lead	EPA 200.8	0.24	mg/L	0.025	2/27/2013
Selenium	EPA 200.8	0.013	mg/L	0.0050	2/26/2013
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	2/27/2013
Uranium	EPA 200.8	0.085	mg/L	0.0050	2/27/2013

Customer Sample ID: 63322 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-003

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.96	mg/L	0.10	2/22/2013
Cyanate	SM 4500 CNL	4.9	mg/L	0.10	2/22/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/21/2013
pH	SM 4500-H+ B	8.60	pH Units		2/19/2013
Trace Metals Digestion	EPA 200.2	Complete			2/25/2013
Acidity (Titrimetric)	SM 2310B	-15	mg/L as CaCO3		2/22/2013
Bicarbonate (HCO3)	SM 2320B	630	mg/L	1.0	2/19/2013
Carbonate (CO3)	SM 2320B	17	mg/L	1.0	2/19/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/19/2013
Total Alkalinity	SM 2320B	540	mg/L as CaCO3	1.0	2/19/2013
Redox Potential	SM 2580B	180	mV		2/19/2013
Chloride	EPA 300.0	1.1	mg/L	0.10	2/20/2013
Fluoride	EPA 300.0	0.84	mg/L	0.10	2/20/2013
Sulfate	EPA 300.0	24	mg/L	1.0	2/20/2013
Nitrate Nitrogen	EPA 300.0	<0.10	mg/L	0.10	2/20/2013
Nitrite Nitrogen	EPA 300.0	<0.025	mg/L	0.025	2/20/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.96	mg/L	0.10	3/1/2013

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Customer Sample ID: 63322 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-003

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Total Nitrogen	Calc.	0.96	mg/L	0.070	3/1/2013
Total Cyanide	SM 4500CNC	0.033	mg/L	0.010	2/20/2013
Total Dissolved Solids (TDS)	SM 2540C	710	mg/L	10	2/21/2013
WAD Cyanide	SM 4500CNI	<0.010	mg/L	0.010	2/20/2013
Electrical Conductivity	SM 2510B	1000	µmhos/cm	1	2/22/2013
Aluminum	EPA 200.7	2.2	mg/L	0.045	2/26/2013
Barium	EPA 200.7	0.029	mg/L	0.010	2/26/2013
Beryllium	EPA 200.7	<0.0010	mg/L	0.0010	2/26/2013
Bismuth	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Boron	EPA 200.7	<0.100	mg/L	0.100	2/26/2013
Cadmium	EPA 200.7	<0.0010	mg/L	0.0010	2/26/2013
Calcium	EPA 200.7	5.5	mg/L	0.50	2/26/2013
Chromium	EPA 200.7	<0.0050	mg/L	0.0050	2/26/2013
Cobalt	EPA 200.7	<0.010	mg/L	0.010	2/26/2013
Copper	EPA 200.7	0.080	mg/L	0.050	2/26/2013
Gallium	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Iron	EPA 200.7	1.5	mg/L	0.010	2/26/2013
Lithium	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Magnesium	EPA 200.7	0.71	mg/L	0.50	2/26/2013
Manganese	EPA 200.7	0.040 B	mg/L	0.0050	2/26/2013
Molybdenum	EPA 200.7	<0.010	mg/L	0.010	2/26/2013
Nickel	EPA 200.7	<0.010	mg/L	0.010	2/26/2013
Phosphorus	EPA 200.7	<0.50	mg/L	0.50	2/26/2013
Potassium	EPA 200.7	3.7	mg/L	0.50	2/26/2013
Scandium	EPA 200.7	<0.100	mg/L	0.100	2/26/2013
Silicon	EPA 200.7	18	mg/L	0.10	2/26/2013
Silver	EPA 200.7	<0.0050	mg/L	0.0050	2/26/2013
Sodium	EPA 200.7	240	mg/L	0.50	2/26/2013
Strontium	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Tin	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Titanium	EPA 200.7	<0.10	mg/L	0.10	2/26/2013
Vanadium	EPA 200.7	0.018	mg/L	0.010	2/26/2013
Zinc	EPA 200.7	0.039	mg/L	0.010	2/26/2013
Mercury	EPA 200.8	<0.00010	mg/L	0.00010	2/27/2013
Antimony	EPA 200.8	0.28	mg/L	0.0025	2/26/2013
Arsenic	EPA 200.8	2.7	mg/L	0.0050	2/26/2013
Lead	EPA 200.8	0.23	mg/L	0.0025	2/27/2013
Selenium	EPA 200.8	0.0071	mg/L	0.0050	2/26/2013

Customer Sample ID: 63322 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-003

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thallium	EPA 200.8	<0.0010	mg/L	0.0010	2/27/2013
Uranium	EPA 200.8	0.044	mg/L	0.0050	2/27/2013

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13020542	Blank 1	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13020542	Blank 2	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13020543	Blank 1	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13020543	Blank 2	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13020562	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13020562	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13020562	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13020564	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13020564	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13020564	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13020566	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020566	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020566	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020567	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13020567	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13020567	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13020568	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13020568	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13020568	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13020593	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020593	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020593	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020635	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13020635	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13020637	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13020637	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13020653	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13020671	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020671	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020685	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC13020719	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Beryllium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Cadmium	EPA 200.7	<0.0010	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Chromium	EPA 200.7	<0.0050	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Copper	EPA 200.7	<0.050	mg/L
		Gallium	EPA 200.7	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	0.079	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Nickel	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Silver	EPA 200.7	<0.0050	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13030038	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030038	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030038	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030038	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13020524	LCS 1	Redox Potential	SM 2580B	218	221	98	mV
QC13020528	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13020528	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13020528	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13020530	LCS 1	Total Alkalinity	SM 2320B	98.5	100	98	mg/L
QC13020530	LCS 2	Total Alkalinity	SM 2320B	98.6	100	99	mg/L
QC13020530	LCS 3	Total Alkalinity	SM 2320B	98.9	100	99	mg/L
QC13020530	LCS 4	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13020542	LCS 1	WAD Cyanide	SM 4500CNI	0.102	0.100	102	mg/L
QC13020543	LCS 1	Total Cyanide	SM 4500CNC	0.094	0.100	94	mg/L
QC13020562	LCS 1	Fluoride	EPA 300.0	1.97	2.00	99	mg/L
QC13020564	LCS 1	Chloride	EPA 300.0	10.1	10.0	101	mg/L
QC13020566	LCS 1	Nitrite Nitrogen	EPA 300.0	0.508	0.500	102	mg/L
QC13020567	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	2.00	100	mg/L
QC13020568	LCS 1	Sulfate	EPA 300.0	24.1	25.0	96	mg/L
QC13020593	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.920	1.00	92	mg/L
QC13020593	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.867	1.00	87	mg/L
QC13020635	LCS 1	Cyanate	SM 4500 CNL	1.04	1.00	104	mg/L
QC13020653	LCS 1	Electrical Conductivity	SM 2510B	1343	1412	95	µmhos/cm
QC13020671	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L
QC13020671	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	143	150	95	mg/L
QC13020685	LCS 1	Mercury	EPA 200.8	0.000885	0.001	88	mg/L
		Antimony	EPA 200.8	0.0093	0.010	93	mg/L
		Arsenic	EPA 200.8	0.0510	0.050	102	mg/L
		Lead	EPA 200.8	0.0097	0.010	97	mg/L
		Selenium	EPA 200.8	0.0491	0.050	98	mg/L
		Thallium	EPA 200.8	0.0095	0.010	95	mg/L
		Uranium	EPA 200.8	0.0096	0.010	96	mg/L
QC13020719	LCS 1	Aluminum	EPA 200.7	0.969	1.00	97	mg/L
		Barium	EPA 200.7	0.964	1.00	96	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Beryllium	EPA 200.7	0.964	1.00	96	mg/L	
		Bismuth	EPA 200.7	0.987	1.00	99	mg/L	
		Boron	EPA 200.7	0.950	1.00	95	mg/L	
		Cadmium	EPA 200.7	0.971	1.00	97	mg/L	
		Calcium	EPA 200.7	9.57	10.0	96	mg/L	
		Chromium	EPA 200.7	0.960	1.00	96	mg/L	
		Cobalt	EPA 200.7	0.964	1.00	96	mg/L	
		Copper	EPA 200.7	4.80	5.00	96	mg/L	
		Gallium	EPA 200.7	0.979	1.00	98	mg/L	
		Iron	EPA 200.7	0.951	1.00	95	mg/L	
		Lithium	EPA 200.7	0.986	1.00	99	mg/L	
		Magnesium	EPA 200.7	9.39	10.0	94	mg/L	
		Manganese	EPA 200.7	1.03	1.00	103	mg/L	
		Molybdenum	EPA 200.7	0.971	1.00	97	mg/L	
		Nickel	EPA 200.7	4.82	5.00	96	mg/L	
		Phosphorus	EPA 200.7	4.89	5.00	98	mg/L	
		Potassium	EPA 200.7	9.84	10.0	98	mg/L	
		Scandium	EPA 200.7	0.963	1.00	96	mg/L	
		Silicon	EPA 200.7	9.25	10.0	92	mg/L	
		Silver	EPA 200.7	0.088	0.090	98	mg/L	
		Sodium	EPA 200.7	9.98	10.0	100	mg/L	
		Strontium	EPA 200.7	0.987	1.00	99	mg/L	
		Tin	EPA 200.7	0.950	1.00	95	mg/L	
		Titanium	EPA 200.7	0.957	1.00	96	mg/L	
		Vanadium	EPA 200.7	0.967	1.00	97	mg/L	
		Zinc	EPA 200.7	0.971	1.00	97	mg/L	
QC13030038	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.626	0.690	91	mg/L	
QC13030038	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.663	0.690	96	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13020524	Duplicate	Redox Potential	SM 2580B	1302291-001	434	439	mV	1 %
QC13020524	Duplicate	Redox Potential	SM 2580B	1302291-011	416	414	mV	<1%
QC13020528	Duplicate	pH	SM 4500-H+ B	1302292-001	8.68	8.64	pH Units	<1%
QC13020528	Duplicate	pH	SM 4500-H+ B	1302292-002	8.73	8.74	pH Units	<1%
QC13020528	Duplicate	pH	SM 4500-H+ B	1302292-003	8.60	8.60	pH Units	<1%
QC13020528	Duplicate	pH	SM 4500-H+ B	1302278-001	8.14	8.21	pH Units	1 %
QC13020528	Duplicate	pH	SM 4500-H+ B	1302291-006	3.29	3.28	pH Units	<1%
QC13020530	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302292-001	411	413	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302292-001	15.9	13.5	mg/L	16 %
		Hydroxide (OH)	SM 2320B	1302292-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302292-001	363	361	mg/L as CaCO3	1 %
QC13020530	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302292-002	472	472	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302292-002	21.6	21.8	mg/L	1 %
		Hydroxide (OH)	SM 2320B	1302292-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302292-002	423	423	mg/L as CaCO3	<1%
QC13020530	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302292-003	628	627	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302292-003	16.9	19.6	mg/L	15 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13020635	Duplicate	Hydroxide (OH)	SM 2320B	1302292-003	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302292-003	543	546	mg/L as CaCO3	1 %
		Cyanate	SM 4500 CNL	1302292-003	4.86	4.83	mg/L	1 %
		Electrical Conductivity	SM 2510B	1302292-001	841	839	µmhos/cm	<1%
		Total Dissolved Solids (TDS)	SM 2540C	1302226-004	218	240	Q mg/L	10 %
		Total Dissolved Solids (TDS)	SM 2540C	1302297-002	521	516	mg/L	1 %
QC13020671	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302327-001	461	465	mg/L	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13020542	MS 1	WAD Cyanide	SM 4500CNI	1302292-001	0.019	0.124	0.128	0.100	mg/L	105	109	3 %
QC13020543	MS 1	Total Cyanide	SM 4500CNC	1302196-002	<0.010	M 0.127	0.127	0.100	mg/L	NC	NC	NC
QC13020562	MS 1	Fluoride	EPA 300.0	1302298-001	0.309	2.18	2.30	2.00	mg/L	93	100	5 %
QC13020562	MS 2	Fluoride	EPA 300.0	1302309-001	0.369	2.23	2.23	2.00	mg/L	93	93	<1%
QC13020564	MS 1	Chloride	EPA 300.0	1302298-001	3.23	8.49	8.35	5.00	mg/L	105	102	2 %
QC13020564	MS 2	Chloride	EPA 300.0	1302309-001	37.4	41.9	41.8	5.00	mg/L	89	88	<1%
QC13020566	MS 1	Nitrite Nitrogen	EPA 300.0	1302298-001	<0.025	0.583	0.558	0.500	mg/L	113	108	4 %
QC13020566	MS 2	Nitrite Nitrogen	EPA 300.0	1302309-001	<0.025	0.509	0.509	0.500	mg/L	100	100	<1%
QC13020567	MS 1	Nitrate Nitrogen	EPA 300.0	1302298-001	<1.000	2.31	2.23	2.00	mg/L	108	104	4 %
QC13020567	MS 2	Nitrate Nitrogen	EPA 300.0	1302309-001	1.60	3.75	3.73	2.00	mg/L	107	106	1 %
QC13020568	MS 1	Sulfate	EPA 300.0	1302298-001	58.5	68.3	66.9	10.0	mg/L	98	85	2 %
QC13020568	MS 2	Sulfate	EPA 300.0	1302309-001	40.2	49.5	49.4	10.0	mg/L	93	93	<1%
QC13020593	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1302072-001	0.156	0.955	1.10	1.00	mg/L	80	94	14 %
QC13020593	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1302072-009	0.106	0.900	0.943	1.00	mg/L	79	84	5 %
QC13020637	MS 1	Thiocyanate	SM 4500 CN	1302292-003	0.958	1.99	2.04	0.500	mg/L	103	109	2 %
QC13020685	MS 1	Mercury	EPA 200.8	1302347-001	<0.00010	0.000940	0.000932	0.001	mg/L	94	93	1 %
		Antimony	EPA 200.8	1302347-001	<0.0025	0.0097	0.0095	0.010	mg/L	95	93	2 %
		Arsenic	EPA 200.8	1302347-001	0.0051	0.0556	0.0561	0.050	mg/L	101	102	1 %
		Lead	EPA 200.8	1302347-001	<0.0025	0.0094	0.0093	0.010	mg/L	93	92	1 %
		Selenium	EPA 200.8	1302347-001	<0.0050	0.0450	0.0457	0.050	mg/L	90	91	2 %
		Thallium	EPA 200.8	1302347-001	0.0019	0.0113	0.0112	0.010	mg/L	94	93	1 %
		Uranium	EPA 200.8	1302347-001	<0.0050	0.0097	0.0097	0.010	mg/L	97	97	<1%
QC13020719	MS 1	Aluminum	EPA 200.7	1302347-001	<0.045	1.04	1.01	1.00	mg/L	100	97	3 %
		Barium	EPA 200.7	1302347-001	0.013	0.981	0.970	1.00	mg/L	97	96	1 %
		Beryllium	EPA 200.7	1302347-001	<0.001	0.976	0.980	1.00	mg/L	98	98	<1%
		Bismuth	EPA 200.7	1302347-001	<0.100	0.987	0.993	1.00	mg/L	99	99	1 %
		Boron	EPA 200.7	1302347-001	<0.100	1.04	1.04	1.00	mg/L	98	98	<1%
		Cadmium	EPA 200.7	1302347-001	<0.001	0.990	0.982	1.00	mg/L	99	98	1 %
		Calcium	EPA 200.7	1302347-001	44.4	52.8	52.7	10.0	mg/L	84	83	<1%
		Chromium	EPA 200.7	1302347-001	<0.005	0.964	0.955	1.00	mg/L	96	96	1 %
		Cobalt	EPA 200.7	1302347-001	<0.010	0.966	0.964	1.00	mg/L	97	96	<1%
		Copper	EPA 200.7	1302347-001	<0.050	4.87	4.90	5.00	mg/L	97	98	1 %
		Gallium	EPA 200.7	1302347-001	<0.100	1.01	1.00	1.00	mg/L	101	100	1 %
		Iron	EPA 200.7	1302347-001	<0.010	0.970	0.975	1.00	mg/L	97	97	1 %
		Lithium	EPA 200.7	1302347-001	<0.100	0.977	0.965	1.00	mg/L	97	96	1 %
		Magnesium	EPA 200.7	1302347-001	6.02	15.2	15.3	10.0	mg/L	92	93	1 %
		Manganese	EPA 200.7	1302347-001	<0.005	B 0.959	0.947	1.00	mg/L	96	95	1 %
		Molybdenum	EPA 200.7	1302347-001	0.055	1.03	1.04	1.00	mg/L	98	99	1 %
		Nickel	EPA 200.7	1302347-001	<0.010	4.77	4.75	5.00	mg/L	95	95	<1%
		Phosphorus	EPA 200.7	1302347-001	<0.500	5.19	5.22	5.00	mg/L	102	103	1 %
		Potassium	EPA 200.7	1302347-001	7.13	16.6	16.8	10.0	mg/L	95	97	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Scandium	EPA 200.7	1302347-001	<0.100	0.962	0.965	1.00	mg/L	96	96	<1%
		Silicon	EPA 200.7	1302347-001	2.68	11.8	11.8	10.0	mg/L	91	91	<1%
		Silver	EPA 200.7	1302347-001	<0.005	0.089	0.088	0.090	mg/L	100	99	1 %
		Sodium	EPA 200.7	1302347-001	15.9	24.6	24.5	10.0	mg/L	87	86	<1%
		Strontium	EPA 200.7	1302347-001	0.110	1.07	1.06	1.00	mg/L	96	95	1 %
		Tin	EPA 200.7	1302347-001	<0.100	0.953	0.952	1.00	mg/L	98	98	<1%
		Titanium	EPA 200.7	1302347-001	<0.100	0.964	0.969	1.00	mg/L	96	97	1 %
		Vanadium	EPA 200.7	1302347-001	<0.010	0.997	0.993	1.00	mg/L	99	99	<1%
		Zinc	EPA 200.7	1302347-001	<0.010	0.998	1.02	1.00	mg/L	99	101	2 %
QC13030038	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1302476-003	2.27	M 2.82	2.63	0.690	mg/L	NC	NC	NC
QC13030038	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1302481-001	0.464	M 0.850	0.892	0.690	mg/L	NC	NC	NC
QC13030038	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1302494-001	<0.100	M 0.793	0.817	0.690	mg/L	NC	NC	NC

3/20/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1302292

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 2/19/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1302292

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1302292-001 Mercury

1302292-002 Mercury

1302292-003 Mercury

The reporting limits have been adjusted accordingly.

The analysis of the laboratory method blank revealed concentrations of Manganese above the reporting limit during the analysis of sample 1302292-001, 002 and 003 . We apologize for any inconvenience this may have caused.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 3/20/2013

OrderID: 1302292

Customer Sample ID: 63301 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-001

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	4.2	mg/L	0.10	2/22/2013
Thiocyanate	SM 4500 CNM	1.1	mg/L	0.10	2/22/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/21/2013
pH	SM 4500-H+ B	8.68	pH Units		2/19/2013
Trace Metals Digestion	EPA 200.2	Complete			2/25/2013
Acidity (Titrimetric)	SM 2310B	-51	mg/L as CaCO3		2/22/2013
Bicarbonate (HCO3)	SM 2320B	410	mg/L	1.0	2/19/2013
Carbonate (CO3)	SM 2320B	16	mg/L	1.0	2/19/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/19/2013
Total Alkalinity	SM 2320B	360	mg/L as CaCO3	1.0	2/19/2013
Redox Potential	SM 2580B	270	mV		2/19/2013
Chloride	EPA 300.0	2.1	mg/L	0.10	2/20/2013
Fluoride	EPA 300.0	1.2	mg/L	0.10	2/20/2013
Sulfate	EPA 300.0	74	mg/L	1.0	2/20/2013
Nitrate Nitrogen	EPA 300.0	0.48	mg/L	0.010	2/20/2013
Nitrite Nitrogen	EPA 300.0	0.035	mg/L	0.010	2/20/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.93	mg/L	0.10	3/1/2013
Total Nitrogen	Calc.	1.4	mg/L	0.070	3/1/2013
Total Cyanide	SM 4500CNC	0.31	mg/L	0.050	2/20/2013
Total Dissolved Solids (TDS)	SM 2540C	630	mg/L	10	2/21/2013
WAD Cyanide	SM 4500CNI	0.019	mg/L	0.010	2/20/2013
Electrical Conductivity	SM 2510B	840	µmhos/cm	1	2/22/2013
Aluminum	EPA 200.7	3.2	mg/L	0.045	2/26/2013
Barium	EPA 200.7	0.037	mg/L	0.010	2/26/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/26/2013
Boron	EPA 200.7	0.044	mg/L	0.020	2/26/2013
Calcium	EPA 200.7	7.5	mg/L	0.50	2/26/2013

Customer Sample ID: 63301 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-001

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.0026	mg/L	0.0020	2/26/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/26/2013
Iron	EPA 200.7	1.9	mg/L	0.010	2/26/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	2/26/2013
Magnesium	EPA 200.7	0.66	mg/L	0.25	2/26/2013
Manganese	EPA 200.7	0.057 B	mg/L	0.0050	2/26/2013
Molybdenum	EPA 200.7	0.0094	mg/L	0.0050	2/26/2013
Phosphorus	EPA 200.7	1.0	mg/L	0.10	2/26/2013
Potassium	EPA 200.7	3.4	mg/L	0.50	2/26/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/26/2013
Silicon	EPA 200.7	22	mg/L	0.10	2/26/2013
Sodium	EPA 200.7	180	mg/L	0.50	2/26/2013
Strontium	EPA 200.7	0.10	mg/L	0.0020	2/26/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/26/2013
Titanium	EPA 200.7	0.041	mg/L	0.0050	2/26/2013
Vanadium	EPA 200.7	0.033	mg/L	0.010	2/26/2013
Zinc	EPA 200.7	0.055	mg/L	0.010	2/26/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/27/2013
Antimony	EPA 200.8	0.51	mg/L	0.025	2/26/2013
Arsenic	EPA 200.8	4.2	mg/L	0.050	2/26/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/20/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/20/2013
Chromium	EPA 200.8	0.0036	mg/L	0.0010	3/20/2013
Copper	EPA 200.8	0.014	mg/L	0.0050	3/20/2013
Lead	EPA 200.8	0.26	mg/L	0.025	2/27/2013
Nickel	EPA 200.8	0.0047	mg/L	0.0010	3/20/2013
Selenium	EPA 200.8	0.016	mg/L	0.0050	2/26/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/20/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	2/27/2013
Uranium	EPA 200.8	0.084	mg/L	0.0050	2/27/2013
Anions	Calculation	8.95	meq/L	0.10	
Cations	Calculation	8.29	meq/L	0.10	
Error	Calculation	3.9	%	1.0	

Customer Sample ID: 63316 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-002

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.63	mg/L	0.10	2/22/2013
Cyanate	SM 4500 CNL	4.9	mg/L	0.10	2/22/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/21/2013
pH	SM 4500-H+ B	8.73	pH Units		2/19/2013
Trace Metals Digestion	EPA 200.2	Complete			2/25/2013
Acidity (Titrimetric)	SM 2310B	-79	mg/L as CaCO3		2/22/2013
Bicarbonate (HCO3)	SM 2320B	470	mg/L	1.0	2/19/2013
Carbonate (CO3)	SM 2320B	22	mg/L	1.0	2/19/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/19/2013
Total Alkalinity	SM 2320B	420	mg/L as CaCO3	1.0	2/19/2013
Redox Potential	SM 2580B	280	mV		2/19/2013
Chloride	EPA 300.0	1.3	mg/L	0.10	2/20/2013
Fluoride	EPA 300.0	1.2	mg/L	0.10	2/20/2013
Sulfate	EPA 300.0	130	mg/L	1.0	2/20/2013
Nitrate Nitrogen	EPA 300.0	0.077	mg/L	0.010	2/20/2013
Nitrite Nitrogen	EPA 300.0	0.055	mg/L	0.010	2/20/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.54	mg/L	0.10	3/1/2013
Total Nitrogen	Calc.	0.59	mg/L	0.070	3/1/2013
Total Cyanide	SM 4500CNC	0.084	mg/L	0.010	2/20/2013
Total Dissolved Solids (TDS)	SM 2540C	730	mg/L	10	2/21/2013
WAD Cyanide	SM 4500CNI	<0.010	mg/L	0.010	2/20/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	2/22/2013
Aluminum	EPA 200.7	2.5	mg/L	0.045	2/26/2013
Barium	EPA 200.7	0.026	mg/L	0.010	2/26/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/26/2013
Boron	EPA 200.7	0.033	mg/L	0.020	2/26/2013
Calcium	EPA 200.7	6.0	mg/L	0.50	2/26/2013
Cobalt	EPA 200.7	<0.0020	mg/L	0.0020	2/26/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/26/2013
Iron	EPA 200.7	1.4	mg/L	0.010	2/26/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	2/26/2013
Magnesium	EPA 200.7	0.40	mg/L	0.25	2/26/2013
Manganese	EPA 200.7	0.036 B	mg/L	0.0050	2/26/2013
Molybdenum	EPA 200.7	0.0052	mg/L	0.0050	2/26/2013
Phosphorus	EPA 200.7	0.53	mg/L	0.10	2/26/2013
Potassium	EPA 200.7	3.9	mg/L	0.50	2/26/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/26/2013
Silicon	EPA 200.7	19	mg/L	0.10	2/26/2013

Customer Sample ID: 63316 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-002

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	240	mg/L	0.50	2/26/2013
Strontium	EPA 200.7	0.078	mg/L	0.0020	2/26/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/26/2013
Titanium	EPA 200.7	0.043	mg/L	0.0050	2/26/2013
Vanadium	EPA 200.7	0.023	mg/L	0.010	2/26/2013
Zinc	EPA 200.7	0.039	mg/L	0.010	2/26/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/27/2013
Antimony	EPA 200.8	0.60	mg/L	0.025	2/26/2013
Arsenic	EPA 200.8	3.3	mg/L	0.050	2/26/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/20/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/20/2013
Chromium	EPA 200.8	0.0028	mg/L	0.0010	3/20/2013
Copper	EPA 200.8	0.034	mg/L	0.0050	3/20/2013
Lead	EPA 200.8	0.24	mg/L	0.025	2/27/2013
Nickel	EPA 200.8	0.0036	mg/L	0.0010	3/20/2013
Selenium	EPA 200.8	0.013	mg/L	0.0050	2/26/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/20/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	2/27/2013
Uranium	EPA 200.8	0.085	mg/L	0.0050	2/27/2013
Anions	Calculation	11.2	meq/L	0.10	
Cations	Calculation	10.4	meq/L	0.10	
Error	Calculation	3.9	%	1.0	

Customer Sample ID: 63322 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-003

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	4.9	mg/L	0.10	2/22/2013
Thiocyanate	SM 4500 CNM	0.96	mg/L	0.10	2/22/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/21/2013
pH	SM 4500-H+ B	8.60	pH Units		2/19/2013
Trace Metals Digestion	EPA 200.2	Complete			2/25/2013
Acidity (Titrimetric)	SM 2310B	-15	mg/L as CaCO3		2/22/2013
Bicarbonate (HCO3)	SM 2320B	630	mg/L	1.0	2/19/2013
Carbonate (CO3)	SM 2320B	17	mg/L	1.0	2/19/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/19/2013
Total Alkalinity	SM 2320B	540	mg/L as CaCO3	1.0	2/19/2013
Redox Potential	SM 2580B	180	mV		2/19/2013

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Customer Sample ID: 63322 18 Feb 13

Collect Date/Time: 2/19/2013 10:20

WETLAB Sample ID: 1302292-003

Receive Date: 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	1.1	mg/L	0.10	2/20/2013
Fluoride	EPA 300.0	0.84	mg/L	0.10	2/20/2013
Sulfate	EPA 300.0	24	mg/L	1.0	2/20/2013
Nitrate Nitrogen	EPA 300.0	0.061	mg/L	0.010	2/20/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/20/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.96	mg/L	0.10	3/1/2013
Total Nitrogen	Calc.	0.96	mg/L	0.070	3/1/2013
Total Cyanide	SM 4500CNC	0.033	mg/L	0.010	2/20/2013
Total Dissolved Solids (TDS)	SM 2540C	710	mg/L	10	2/21/2013
WAD Cyanide	SM 4500CNI	<0.010	mg/L	0.010	2/20/2013
Electrical Conductivity	SM 2510B	1000	µmhos/cm	1	2/22/2013
Aluminum	EPA 200.7	2.2	mg/L	0.045	2/26/2013
Barium	EPA 200.7	0.029	mg/L	0.010	2/26/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/26/2013
Boron	EPA 200.7	0.084	mg/L	0.020	2/26/2013
Calcium	EPA 200.7	5.5	mg/L	0.50	2/26/2013
Cobalt	EPA 200.7	0.0033	mg/L	0.0020	2/26/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/26/2013
Iron	EPA 200.7	1.5	mg/L	0.010	2/26/2013
Lithium	EPA 200.7	0.056	mg/L	0.020	2/26/2013
Magnesium	EPA 200.7	0.71	mg/L	0.25	2/26/2013
Manganese	EPA 200.7	0.040 B	mg/L	0.0050	2/26/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	2/26/2013
Phosphorus	EPA 200.7	0.43	mg/L	0.10	2/26/2013
Potassium	EPA 200.7	3.7	mg/L	0.50	2/26/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/26/2013
Silicon	EPA 200.7	18	mg/L	0.10	2/26/2013
Sodium	EPA 200.7	240	mg/L	0.50	2/26/2013
Strontium	EPA 200.7	0.078	mg/L	0.0020	2/26/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/26/2013
Titanium	EPA 200.7	0.080	mg/L	0.0050	2/26/2013
Vanadium	EPA 200.7	0.018	mg/L	0.010	2/26/2013
Zinc	EPA 200.7	0.039	mg/L	0.010	2/26/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/27/2013
Antimony	EPA 200.8	0.28	mg/L	0.0025	2/26/2013
Arsenic	EPA 200.8	2.7	mg/L	0.0050	2/26/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/20/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/20/2013

Customer Sample ID: 63322 18 Feb 13**Collect Date/Time:** 2/19/2013 10:20**WETLAB Sample ID:** 1302292-003**Receive Date:** 2/19/2013 10:45

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.8	0.0042	mg/L	0.0010	3/20/2013
Copper	EPA 200.8	0.077	mg/L	0.0050	3/20/2013
Lead	EPA 200.8	0.23	mg/L	0.0025	2/27/2013
Nickel	EPA 200.8	0.0036	mg/L	0.0010	3/20/2013
Selenium	EPA 200.8	0.0071	mg/L	0.0050	2/26/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/20/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	2/27/2013
Uranium	EPA 200.8	0.044	mg/L	0.0050	2/27/2013
Anions	Calculation	11.5	meq/L	0.10	
Cations	Calculation	11.0	meq/L	0.10	
Error	Calculation	1.9	%	1.0	

Western Environmental Testing Laboratory QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13020542	Blank 1	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13020542	Blank 2	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13020543	Blank 1	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13020543	Blank 2	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13020562	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13020562	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13020562	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13020564	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13020564	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13020564	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13020566	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020566	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020566	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020567	Blank 1	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13020567	Blank 2	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13020567	Blank 3	Nitrate Nitrogen	EPA 300.0	<1.0	mg/L
QC13020568	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13020568	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13020568	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13020593	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020593	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020593	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020635	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13020635	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13020637	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13020637	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13020653	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13020671	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020671	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020685	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC13020719	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	0.079	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13030038	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030038	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030038	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030038	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13020524	LCS 1	Redox Potential	SM 2580B	218	221	98	mV
QC13020528	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13020528	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13020528	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13020530	LCS 1	Total Alkalinity	SM 2320B	98.5	100	98	mg/L
QC13020530	LCS 2	Total Alkalinity	SM 2320B	98.6	100	99	mg/L
QC13020530	LCS 3	Total Alkalinity	SM 2320B	98.9	100	99	mg/L
QC13020530	LCS 4	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13020542	LCS 1	WAD Cyanide	SM 4500CNI	0.102	0.100	102	mg/L
QC13020543	LCS 1	Total Cyanide	SM 4500CNC	0.094	0.100	94	mg/L
QC13020562	LCS 1	Fluoride	EPA 300.0	1.97	2.00	99	mg/L
QC13020564	LCS 1	Chloride	EPA 300.0	10.1	10.0	101	mg/L
QC13020566	LCS 1	Nitrite Nitrogen	EPA 300.0	0.508	0.500	102	mg/L
QC13020567	LCS 1	Nitrate Nitrogen	EPA 300.0	2.01	2.00	100	mg/L
QC13020568	LCS 1	Sulfate	EPA 300.0	24.1	25.0	96	mg/L
QC13020593	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.920	1.00	92	mg/L
QC13020593	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.867	1.00	87	mg/L
QC13020635	LCS 1	Cyanate	SM 4500 CNL	1.04	1.00	104	mg/L
QC13020653	LCS 1	Electrical Conductivity	SM 2510B	1343	1412	95	µmhos/cm
QC13020671	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L
QC13020671	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	143	150	95	mg/L
QC13020685	LCS 1	Mercury	EPA 200.8	0.000885	0.001	88	mg/L
		Antimony	EPA 200.8	0.0093	0.010	93	mg/L
		Arsenic	EPA 200.8	0.0510	0.050	102	mg/L
		Cadmium	EPA 200.8	0.0091	0.010	91	mg/L
		Copper	EPA 200.8	0.0096	0.010	96	mg/L
		Lead	EPA 200.8	0.0097	0.010	97	mg/L
		Selenium	EPA 200.8	0.0491	0.050	98	mg/L
		Thallium	EPA 200.8	0.0095	0.010	95	mg/L
		Uranium	EPA 200.8	0.0096	0.010	96	mg/L
QC13020719	LCS 1	Aluminum	EPA 200.7	0.969	1.00	97	mg/L
		Barium	EPA 200.7	0.964	1.00	96	mg/L
		Bismuth	EPA 200.7	0.987	1.00	99	mg/L
		Boron	EPA 200.7	0.950	1.00	95	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Calcium	EPA 200.7	9.57	10.0	96	mg/L	
		Cobalt	EPA 200.7	0.964	1.00	96	mg/L	
		Gallium	EPA 200.7	0.979	1.00	98	mg/L	
		Iron	EPA 200.7	0.951	1.00	95	mg/L	
		Lithium	EPA 200.7	0.986	1.00	99	mg/L	
		Magnesium	EPA 200.7	9.39	10.0	94	mg/L	
		Manganese	EPA 200.7	1.03	1.00	103	mg/L	
		Molybdenum	EPA 200.7	0.971	1.00	97	mg/L	
		Phosphorus	EPA 200.7	4.89	5.00	98	mg/L	
		Potassium	EPA 200.7	9.84	10.0	98	mg/L	
		Scandium	EPA 200.7	0.963	1.00	96	mg/L	
		Silicon	EPA 200.7	9.25	10.0	92	mg/L	
		Sodium	EPA 200.7	9.98	10.0	100	mg/L	
		Strontium	EPA 200.7	0.987	1.00	99	mg/L	
		Tin	EPA 200.7	0.950	1.00	95	mg/L	
		Titanium	EPA 200.7	0.957	1.00	96	mg/L	
		Vanadium	EPA 200.7	0.967	1.00	97	mg/L	
		Zinc	EPA 200.7	0.971	1.00	97	mg/L	
QC13030038	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.626	0.690	91	mg/L	
QC13030038	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.663	0.690	96	mg/L	

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13020524	Duplicate	Redox Potential	SM 2580B	1302291-001	434	439	mV	1 %
QC13020524	Duplicate	Redox Potential	SM 2580B	1302291-011	416	414	mV	<1%
QC13020528	Duplicate	pH	SM 4500-H+ B	1302292-001	8.68	8.64	pH Units	<1%
QC13020528	Duplicate	pH	SM 4500-H+ B	1302292-002	8.73	8.74	pH Units	<1%
QC13020528	Duplicate	pH	SM 4500-H+ B	1302292-003	8.60	8.60	pH Units	<1%
QC13020528	Duplicate	pH	SM 4500-H+ B	1302278-001	8.14	8.21	pH Units	1 %
QC13020528	Duplicate	pH	SM 4500-H+ B	1302291-006	3.29	3.28	pH Units	<1%
QC13020530	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302292-001	411	413	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302292-001	15.9	13.5	mg/L	16 %
		Hydroxide (OH)	SM 2320B	1302292-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302292-001	363	361	mg/L as CaCO3	1 %
QC13020530	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302292-002	472	472	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302292-002	21.6	21.8	mg/L	1 %
		Hydroxide (OH)	SM 2320B	1302292-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302292-002	423	423	mg/L as CaCO3	<1%
QC13020530	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302292-003	628	627	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302292-003	16.9	19.6	mg/L	15 %
		Hydroxide (OH)	SM 2320B	1302292-003	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302292-003	543	546	mg/L as CaCO3	1 %
QC13020635	Duplicate	Cyanate	SM 4500 CNL	1302292-003	4.86	4.83	mg/L	1 %
QC13020653	Duplicate	Electrical Conductivity	SM 2510B	1302292-001	841	839	μmhos/cm	<1%
QC13020671	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302226-004	218	240	mg/L	10 %
QC13020671	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302297-002	521	516	mg/L	1 %
QC13020671	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302327-001	461	465	mg/L	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13020542	MS 1	WAD Cyanide	SM 4500CNI	1302292-001	0.019	0.124	0.128	0.100	mg/L	105	109	3 %
QC13020543	MS 1	Total Cyanide	SM 4500CNC	1302196-002	<0.010	M 0.127	0.127	0.100	mg/L	NC	NC	NC
QC13020562	MS 1	Fluoride	EPA 300.0	1302298-001	0.309	2.18	2.30	2.00	mg/L	93	100	5 %
QC13020562	MS 2	Fluoride	EPA 300.0	1302309-001	0.369	2.23	2.23	2.00	mg/L	93	93	<1%
QC13020564	MS 1	Chloride	EPA 300.0	1302298-001	3.23	8.49	8.35	5.00	mg/L	105	102	2 %
QC13020564	MS 2	Chloride	EPA 300.0	1302309-001	37.4	41.9	41.8	5.00	mg/L	89	88	<1%
QC13020566	MS 1	Nitrite Nitrogen	EPA 300.0	1302298-001	<0.025	0.583	0.558	0.500	mg/L	113	108	4 %
QC13020566	MS 2	Nitrite Nitrogen	EPA 300.0	1302309-001	<0.025	0.509	0.509	0.500	mg/L	100	100	<1%
QC13020567	MS 1	Nitrate Nitrogen	EPA 300.0	1302298-001	<1.000	2.31	2.23	2.00	mg/L	108	104	4 %
QC13020567	MS 2	Nitrate Nitrogen	EPA 300.0	1302309-001	1.60	3.75	3.73	2.00	mg/L	107	106	1 %
QC13020568	MS 1	Sulfate	EPA 300.0	1302298-001	58.5	68.3	66.9	10.0	mg/L	98	85	2 %
QC13020568	MS 2	Sulfate	EPA 300.0	1302309-001	40.2	49.5	49.4	10.0	mg/L	93	93	<1%
QC13020593	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1302072-001	0.156	0.955	1.10	1.00	mg/L	80	94	14 %
QC13020593	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1302072-009	0.106	0.900	0.943	1.00	mg/L	79	84	5 %
QC13020637	MS 1	Thiocyanate	SM 4500 CN	1302292-003	0.958	1.99	2.04	0.500	mg/L	103	109	2 %
QC13020685	MS 1	Mercury	EPA 200.8	1302347-001	<0.00010	0.000940	0.000932	0.001	mg/L	94	93	1 %
		Antimony	EPA 200.8	1302347-001	<0.0025	0.0097	0.0095	0.010	mg/L	95	93	2 %
		Arsenic	EPA 200.8	1302347-001	0.0051	0.0556	0.0561	0.050	mg/L	101	102	1 %
		Cadmium	EPA 200.8	1302347-001	<0.0010	0.0088	0.0091	0.010	mg/L	88	91	3 %
		Copper	EPA 200.8	1302347-001	<0.0050	0.0119	0.0115	0.010	mg/L	103	100	3 %
		Lead	EPA 200.8	1302347-001	<0.0025	0.0094	0.0093	0.010	mg/L	93	92	1 %
		Selenium	EPA 200.8	1302347-001	<0.0050	0.0450	0.0457	0.050	mg/L	90	91	2 %
		Thallium	EPA 200.8	1302347-001	0.0019	0.0113	0.0112	0.010	mg/L	94	93	1 %
		Uranium	EPA 200.8	1302347-001	<0.0050	0.0097	0.0097	0.010	mg/L	97	97	<1%
QC13020719	MS 1	Aluminum	EPA 200.7	1302347-001	<0.045	1.04	1.01	1.00	mg/L	100	97	3 %
		Barium	EPA 200.7	1302347-001	0.013	0.981	0.970	1.00	mg/L	97	96	1 %
		Bismuth	EPA 200.7	1302347-001	<0.100	0.987	0.993	1.00	mg/L	99	99	1 %
		Boron	EPA 200.7	1302347-001	<0.100	1.04	1.04	1.00	mg/L	98	98	<1%
		Calcium	EPA 200.7	1302347-001	44.4	52.8	52.7	10.0	mg/L	84	83	<1%
		Cobalt	EPA 200.7	1302347-001	<0.010	0.966	0.964	1.00	mg/L	97	96	<1%
		Gallium	EPA 200.7	1302347-001	<0.100	1.01	1.00	1.00	mg/L	101	100	1 %
		Iron	EPA 200.7	1302347-001	<0.010	0.970	0.975	1.00	mg/L	97	97	1 %
		Lithium	EPA 200.7	1302347-001	<0.100	0.977	0.965	1.00	mg/L	97	96	1 %
		Magnesium	EPA 200.7	1302347-001	6.02	15.2	15.3	10.0	mg/L	92	93	1 %
		Manganese	EPA 200.7	1302347-001	<0.005	B 0.959	0.947	1.00	mg/L	96	95	1 %
		Molybdenum	EPA 200.7	1302347-001	0.055	1.03	1.04	1.00	mg/L	98	99	1 %
		Phosphorus	EPA 200.7	1302347-001	<0.500	5.19	5.22	5.00	mg/L	102	103	1 %
		Potassium	EPA 200.7	1302347-001	7.13	16.6	16.8	10.0	mg/L	95	97	1 %
		Scandium	EPA 200.7	1302347-001	<0.100	0.962	0.965	1.00	mg/L	96	96	<1%
		Silicon	EPA 200.7	1302347-001	2.68	11.8	11.8	10.0	mg/L	91	91	<1%
		Sodium	EPA 200.7	1302347-001	15.9	24.6	24.5	10.0	mg/L	87	86	<1%
		Strontium	EPA 200.7	1302347-001	0.110	1.07	1.06	1.00	mg/L	96	95	1 %
		Tin	EPA 200.7	1302347-001	<0.100	0.953	0.952	1.00	mg/L	98	98	<1%
		Titanium	EPA 200.7	1302347-001	<0.100	0.964	0.969	1.00	mg/L	96	97	1 %
		Vanadium	EPA 200.7	1302347-001	<0.010	0.997	0.993	1.00	mg/L	99	99	<1%
		Zinc	EPA 200.7	1302347-001	<0.010	0.998	1.02	1.00	mg/L	99	101	2 %
QC13030038	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1302476-003	2.27	M 2.82	2.63	0.690	mg/L	NC	NC	NC
QC13030038	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1302481-001	0.464	M 0.850	0.892	0.690	mg/L	NC	NC	NC
QC13030038	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1302494-001	<0.100	M 0.793	0.817	0.690	mg/L	NC	NC	NC

3/1/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1302382

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 2/22/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1302382

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Aluminum on sample 1302382-001 as well as Nitrite Nitrogen on sample 1302382-003 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1302382-001 Mercury

1302382-002 Mercury

1302382-003 Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 3/1/2013

OrderID: 1302382

Customer Sample ID: 63301 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-001

Receive Date: 2/22/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	4.0	mg/L	0.10	3/1/2013
Thiocyanate	SM 4500 CNM	0.84	mg/L	0.20	3/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/25/2013
pH	SM 4500-H+ B	8.61	pH Units		2/25/2013
Trace Metals Digestion	EPA 200.2	Complete			2/26/2013
Acidity (Titrimetric)	SM 2310B	-121	mg/L as CaCO3		2/25/2013
Bicarbonate (HCO3)	SM 2320B	460	mg/L	1.0	2/25/2013
Carbonate (CO3)	SM 2320B	14	mg/L	1.0	2/25/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/25/2013
Total Alkalinity	SM 2320B	400	mg/L as CaCO3	1.0	2/25/2013
Redox Potential	SM 2580B	3.5	mV		2/26/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	2/26/2013
Fluoride	EPA 300.0	1.0	mg/L	0.10	2/26/2013
Sulfate	EPA 300.0	76	mg/L	1.0	2/26/2013
Nitrate Nitrogen	EPA 300.0	0.35	mg/L	0.010	2/25/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/25/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.73	mg/L	0.10	2/27/2013
Total Nitrogen	Calc.	1.1	mg/L	0.070	2/27/2013
Total Cyanide	SM 4500CNC	0.33	mg/L	0.25	2/26/2013
Total Dissolved Solids (TDS)	SM 2540C	580	mg/L	10	2/26/2013
WAD Cyanide	SM 4500CNI	<0.050	mg/L	0.050	2/26/2013
Electrical Conductivity	SM 2510B	890	µmhos/cm	1	2/28/2013
Aluminum	EPA 200.7	2.9 M	mg/L	0.045	2/27/2013
Barium	EPA 200.7	0.035	mg/L	0.010	2/27/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/27/2013
Boron	EPA 200.7	0.042	mg/L	0.020	2/27/2013
Calcium	EPA 200.7	7.5	mg/L	0.50	2/27/2013

Customer Sample ID: 63301 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-001

Receive Date: 2/22/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.0024	mg/L	0.0020	2/27/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Iron	EPA 200.7	1.5	mg/L	0.010	2/27/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Magnesium	EPA 200.7	0.57	mg/L	0.25	2/27/2013
Manganese	EPA 200.7	0.051	mg/L	0.0050	2/27/2013
Molybdenum	EPA 200.7	0.010	mg/L	0.0050	2/27/2013
Phosphorus	EPA 200.7	0.92	mg/L	0.50	2/27/2013
Potassium	EPA 200.7	3.5	mg/L	0.50	2/27/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/27/2013
Silicon	EPA 200.7	21	mg/L	0.10	2/27/2013
Sodium	EPA 200.7	190	mg/L	0.50	2/27/2013
Strontium	EPA 200.7	0.10	mg/L	0.0020	2/27/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/27/2013
Titanium	EPA 200.7	0.044	mg/L	0.0050	2/27/2013
Vanadium	EPA 200.7	0.030	mg/L	0.010	2/27/2013
Zinc	EPA 200.7	0.038	mg/L	0.010	2/27/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/28/2013
Antimony	EPA 200.8	0.55	SC mg/L	0.025	2/28/2013
Arsenic	EPA 200.8	3.8	SC mg/L	0.050	2/28/2013
Beryllium	EPA 200.8	<0.0035	mg/L	0.0035	2/28/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	2/27/2013
Chromium	EPA 200.8	0.0020	mg/L	0.0010	2/28/2013
Copper	EPA 200.8	0.0095	mg/L	0.0025	2/27/2013
Lead	EPA 200.8	0.27	SC mg/L	0.025	2/28/2013
Nickel	EPA 200.8	0.0034	mg/L	0.0010	2/28/2013
Selenium	EPA 200.8	0.015	mg/L	0.0020	2/27/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	2/28/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	2/27/2013
Uranium	EPA 200.8	0.082	mg/L	0.0050	2/27/2013
Anions	Calculation	9.68	meq/L	0.10	
Cations	Calculation	7.95	meq/L	0.10	
Error	Calculation	9.8	%	1.0	

Customer Sample ID: 63316 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-002

Receive Date: 2/22/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.84	mg/L	0.20	3/1/2013
Cyanate	SM 4500 CNL	2.9	mg/L	0.10	3/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/25/2013
pH	SM 4500-H+ B	8.75	pH Units		2/25/2013
Trace Metals Digestion	EPA 200.2	Complete			2/26/2013
Acidity (Titrimetric)	SM 2310B	-88	mg/L as CaCO3		2/25/2013
Bicarbonate (HCO3)	SM 2320B	480	mg/L	1.0	2/25/2013
Carbonate (CO3)	SM 2320B	23	mg/L	1.0	2/25/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/25/2013
Total Alkalinity	SM 2320B	430	mg/L as CaCO3	1.0	2/25/2013
Redox Potential	SM 2580B	50	mV		2/26/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	2/26/2013
Fluoride	EPA 300.0	1.2	mg/L	0.10	2/26/2013
Sulfate	EPA 300.0	130	mg/L	1.0	2/26/2013
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/25/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/25/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.49	mg/L	0.10	2/27/2013
Total Nitrogen	Calc.	0.49	mg/L	0.070	2/27/2013
Total Cyanide	SM 4500CNC	0.074	mg/L	0.050	2/26/2013
Total Dissolved Solids (TDS)	SM 2540C	690	mg/L	10	2/26/2013
WAD Cyanide	SM 4500CNI	<0.050	mg/L	0.050	2/26/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	2/28/2013
Aluminum	EPA 200.7	2.4	mg/L	0.045	2/27/2013
Barium	EPA 200.7	0.026	mg/L	0.010	2/27/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/27/2013
Boron	EPA 200.7	0.033	mg/L	0.020	2/27/2013
Calcium	EPA 200.7	6.0	mg/L	0.50	2/27/2013
Cobalt	EPA 200.7	0.0020	mg/L	0.0020	2/27/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Iron	EPA 200.7	1.4	mg/L	0.010	2/27/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Magnesium	EPA 200.7	0.38	mg/L	0.25	2/27/2013
Manganese	EPA 200.7	0.033	mg/L	0.0050	2/27/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	2/27/2013
Phosphorus	EPA 200.7	0.53	mg/L	0.50	2/27/2013
Potassium	EPA 200.7	3.8	mg/L	0.50	2/27/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/27/2013
Silicon	EPA 200.7	19	mg/L	0.10	2/27/2013

Customer Sample ID: 63316 25 Feb 13**Collect Date/Time:** 2/25/2013 08:00**WETLAB Sample ID:** 1302382-002**Receive Date:** 2/22/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	230	mg/L	0.50	2/27/2013
Strontium	EPA 200.7	0.076	mg/L	0.0020	2/27/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/27/2013
Titanium	EPA 200.7	0.042	mg/L	0.0050	2/27/2013
Vanadium	EPA 200.7	0.023	mg/L	0.010	2/27/2013
Zinc	EPA 200.7	0.040	mg/L	0.010	2/27/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/28/2013
Antimony	EPA 200.8	0.58	mg/L	0.0025	2/28/2013
Arsenic	EPA 200.8	3.1	mg/L	0.0050	2/28/2013
Beryllium	EPA 200.8	<0.0035	mg/L	0.0035	2/28/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	2/27/2013
Chromium	EPA 200.8	0.0018	mg/L	0.0010	2/28/2013
Copper	EPA 200.8	0.027	mg/L	0.0025	2/27/2013
Lead	EPA 200.8	0.23	mg/L	0.0025	2/28/2013
Nickel	EPA 200.8	0.0030	mg/L	0.0010	2/28/2013
Selenium	EPA 200.8	0.013	mg/L	0.0020	2/27/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	2/28/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	2/27/2013
Uranium	EPA 200.8	0.080	mg/L	0.0050	2/27/2013
Anions	Calculation	11.4	meq/L	0.10	
Cations	Calculation	9.85	meq/L	0.10	
Error	Calculation	7.3	%	1.0	

Customer Sample ID: 63322 25 Feb 13**Collect Date/Time:** 2/25/2013 08:00**WETLAB Sample ID:** 1302382-003**Receive Date:** 2/22/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.2	mg/L	0.10	3/1/2013
Thiocyanate	SM 4500 CNM	1.1	mg/L	0.20	3/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/25/2013
pH	SM 4500-H+ B	8.77	pH Units		2/25/2013
Trace Metals Digestion	EPA 200.2	Complete			2/26/2013
Acidity (Titrimetric)	SM 2310B	-102	mg/L as CaCO3		2/25/2013
Bicarbonate (HCO3)	SM 2320B	600	mg/L	1.0	2/25/2013
Carbonate (CO3)	SM 2320B	29	mg/L	1.0	2/25/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/25/2013
Total Alkalinity	SM 2320B	540	mg/L as CaCO3	1.0	2/25/2013
Redox Potential	SM 2580B	440	mV		2/26/2013

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Customer Sample ID: 63322 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-003

Receive Date: 2/22/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	<0.10	mg/L	0.10	2/26/2013
Fluoride	EPA 300.0	0.75	mg/L	0.10	2/26/2013
Sulfate	EPA 300.0	23	mg/L	1.0	2/26/2013
Nitrate Nitrogen	EPA 300.0	0.023	mg/L	0.010	2/25/2013
Nitrite Nitrogen	EPA 300.0	0.033	M mg/L	0.010	2/25/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.58	mg/L	0.10	2/27/2013
Total Nitrogen	Calc.	0.64	mg/L	0.070	2/27/2013
Total Cyanide	SM 4500CNC	0.050	mg/L	0.050	2/26/2013
Total Dissolved Solids (TDS)	SM 2540C	620	mg/L	10	2/26/2013
WAD Cyanide	SM 4500CNI	<0.050	mg/L	0.050	2/26/2013
Electrical Conductivity	SM 2510B	1000	µmhos/cm	1	2/28/2013
Aluminum	EPA 200.7	2.0	mg/L	0.045	2/27/2013
Barium	EPA 200.7	0.027	mg/L	0.010	2/27/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/27/2013
Boron	EPA 200.7	0.078	mg/L	0.020	2/27/2013
Calcium	EPA 200.7	5.8	mg/L	0.50	2/27/2013
Cobalt	EPA 200.7	0.0030	mg/L	0.0020	2/27/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Iron	EPA 200.7	1.2	mg/L	0.010	2/27/2013
Lithium	EPA 200.7	0.053	mg/L	0.020	2/27/2013
Magnesium	EPA 200.7	0.68	mg/L	0.25	2/27/2013
Manganese	EPA 200.7	0.035	mg/L	0.0050	2/27/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	2/27/2013
Phosphorus	EPA 200.7	0.42	mg/L	0.20	2/27/2013
Potassium	EPA 200.7	3.6	mg/L	0.50	2/27/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/27/2013
Silicon	EPA 200.7	18	mg/L	0.10	2/27/2013
Sodium	EPA 200.7	230	mg/L	0.50	2/27/2013
Strontium	EPA 200.7	0.081	mg/L	0.0020	2/27/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/27/2013
Titanium	EPA 200.7	0.076	mg/L	0.0050	2/27/2013
Vanadium	EPA 200.7	0.020	mg/L	0.010	2/27/2013
Zinc	EPA 200.7	0.047	mg/L	0.010	2/27/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/28/2013
Antimony	EPA 200.8	0.25	mg/L	0.025	2/28/2013
Arsenic	EPA 200.8	2.4	mg/L	0.050	2/28/2013
Beryllium	EPA 200.8	<0.0035	mg/L	0.0035	2/28/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	2/27/2013

Customer Sample ID: 63322 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-003

Receive Date: 2/22/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.8	0.0026	mg/L	0.0010	2/28/2013
Copper	EPA 200.8	0.068	mg/L	0.0025	2/27/2013
Lead	EPA 200.8	0.23	mg/L	0.025	2/28/2013
Nickel	EPA 200.8	0.0035	mg/L	0.0010	2/28/2013
Selenium	EPA 200.8	0.0089	mg/L	0.0020	2/27/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	2/28/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	2/27/2013
Uranium	EPA 200.8	0.043	mg/L	0.0050	2/27/2013
Anions	Calculation	11.3	meq/L	0.10	
Cations	Calculation	9.69	meq/L	0.10	
Error	Calculation	7.8	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13020677	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020677	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020677	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020690	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13020690	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13020692	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13020692	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13020697	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13020697	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13020697	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13020711	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020711	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020712	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13020712	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13020723	Blank 1	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13020723	Blank 2	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13020724	Blank 1	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13020724	Blank 2	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13020733	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020733	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020733	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020733	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020743	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.100	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.0100	mg/L
		Gallium	EPA 200.7	<0.100	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.100	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.0100	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.1000	mg/L
		Tin	EPA 200.7	<0.100	mg/L
		Titanium	EPA 200.7	<0.1000	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13020777	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Beryllium	EPA 200.8	<0.00100	mg/L
		Cadmium	EPA 200.8	<0.00100	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.0100	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC13020800	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020805	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13020805	Blank 2	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13030029	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030029	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030030	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13030030	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13020677	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.858	1.00	86	mg/L
QC13020690	LCS 1	Fluoride	EPA 300.0	1.86	2.00	93	mg/L
QC13020692	LCS 1	Chloride	EPA 300.0	10.1	10.0	101	mg/L
QC13020697	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC13020701	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13020701	LCS 2	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13020701	LCS 3	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC13020704	LCS 1	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13020704	LCS 2	Total Alkalinity	SM 2320B	98.9	100	99	mg/L
QC13020704	LCS 3	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13020704	LCS 4	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13020711	LCS 1	Nitrite Nitrogen	EPA 300.0	0.235	0.500	94	mg/L
QC13020712	LCS 1	Nitrate Nitrogen	EPA 300.0	0.232	0.250	93	mg/L
QC13020723	LCS 1	WAD Cyanide	SM 4500CNI	0.107	0.100	107	mg/L
QC13020724	LCS 1	Total Cyanide	SM 4500CNC	0.107	0.100	107	mg/L
QC13020725	LCS 1	Redox Potential	SM 2580B	218	221	99	mV
QC13020733	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.704	0.690	102	mg/L
QC13020733	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.746	0.690	108	mg/L
QC13020743	LCS 1	Aluminum	EPA 200.7	0.970	1.00	97	mg/L
		Barium	EPA 200.7	0.986	1.00	99	mg/L
		Bismuth	EPA 200.7	1.02	1.00	102	mg/L
		Boron	EPA 200.7	0.960	1.00	96	mg/L
		Calcium	EPA 200.7	9.95	10.0	100	mg/L
		Cobalt	EPA 200.7	0.985	1.00	98	mg/L
		Gallium	EPA 200.7	0.985	1.00	98	mg/L
		Iron	EPA 200.7	0.983	1.00	98	mg/L
		Lithium	EPA 200.7	0.986	1.00	99	mg/L
		Magnesium	EPA 200.7	9.75	10.0	98	mg/L
		Manganese	EPA 200.7	0.981	1.00	98	mg/L
		Molybdenum	EPA 200.7	0.994	1.00	99	mg/L
		Phosphorus	EPA 200.7	5.04	5.00	101	mg/L
		Potassium	EPA 200.7	9.85	10.0	98	mg/L
		Scandium	EPA 200.7	0.984	1.00	98	mg/L
		Silicon	EPA 200.7	9.28	10.0	93	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC13020777	LCS 1	Sodium	EPA 200.7	9.97	10.0	100	mg/L	
		Strontium	EPA 200.7	0.998	1.00	100	mg/L	
		Tin	EPA 200.7	0.988	1.00	99	mg/L	
		Titanium	EPA 200.7	0.992	1.00	99	mg/L	
		Vanadium	EPA 200.7	0.982	1.00	98	mg/L	
		Zinc	EPA 200.7	1.01	1.00	101	mg/L	
		Mercury	EPA 200.8	0.000878	0.001	88	mg/L	
		Antimony	EPA 200.8	0.0097	0.010	97	mg/L	
		Arsenic	EPA 200.8	0.0509	0.050	102	mg/L	
		Beryllium	EPA 200.8	0.0094	0.010	94	mg/L	
		Cadmium	EPA 200.8	0.0099	0.010	99	mg/L	
		Chromium	EPA 200.8	0.0096	0.010	96	mg/L	
		Copper	EPA 200.8	0.0102	0.010	102	mg/L	
		Lead	EPA 200.8	0.0100	0.010	100	mg/L	
		Nickel	EPA 200.8	<0.0100	0.010	98	mg/L	
		Selenium	EPA 200.8	0.0473	0.050	94	mg/L	
		Silver	EPA 200.8	0.0098	0.010	98	mg/L	
		Thallium	EPA 200.8	0.0098	0.010	98	mg/L	
QC13020800	LCS 1	Uranium	EPA 200.8	0.0097	0.010	97	mg/L	
QC13020800	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L	
QC13020805	LCS 1	Electrical Conductivity	SM 2510B	1366	1412	97	µmhos/cm	
QC13030029	LCS 1	Cyanate	SM 4500 CNL	1.02	1.00	102	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13020701	Duplicate	pH	SM 4500-H+ B	1302390-001	8.10	8.10	pH Units	<1%
QC13020701	Duplicate	pH	SM 4500-H+ B	1302391-001	9.96	9.98	pH Units	<1%
QC13020701	Duplicate	pH	SM 4500-H+ B	1302391-002	10.5	10.5	pH Units	<1%
QC13020701	Duplicate	pH	SM 4500-H+ B	1302382-001	8.61	8.63	pH Units	<1%
QC13020701	Duplicate	pH	SM 4500-H+ B	1302382-002	8.75	8.75	pH Units	<1%
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302390-001	223	224	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302390-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1302390-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302390-001	183	183	mg/L as CaCO3	<1%
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302391-001	84.1	79.7	mg/L	5 %
		Carbonate (CO3)	SM 2320B	1302391-001	192	194	mg/L	1 %
		Hydroxide (OH)	SM 2320B	1302391-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302391-001	387	388	mg/L as CaCO3	<1%
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302391-002	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302391-002	228	226	mg/L	1 %
		Hydroxide (OH)	SM 2320B	1302391-002	37.1	39.1	mg/L	5 %
		Total Alkalinity	SM 2320B	1302391-002	487	490	mg/L as CaCO3	1 %
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302382-001	457	455	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1302382-001	14.0	14.6	mg/L	4 %
		Hydroxide (OH)	SM 2320B	1302382-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302382-001	398	397	mg/L as CaCO3	<1%
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302382-002	482	483	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13020725	Duplicate	Carbonate (CO3)	SM 2320B	1302382-002	23.0	22.5	mg/L	2 %
		Hydroxide (OH)	SM 2320B	1302382-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302382-002	434	433	mg/L as CaCO3	<1%
		Redox Potential	SM 2580B	1302389-001	450	452	mV	<1%
		Redox Potential	SM 2580B	1302389-011	406	401	mV	1 %
		Total Dissolved Solids (TDS)	SM 2540C	1302356-001	32.0	30.0	mg/L	6 %
		Total Dissolved Solids (TDS)	SM 2540C	1302397-004	1002	1002	mg/L	<1%
		Electrical Conductivity	SM 2510B	1302382-001	889	892	µmhos/cm	<1%
		Electrical Conductivity	SM 2510B	1302397-005	387	378	µmhos/cm	2 %
QC13030029	Duplicate	Cyanate	SM 4500 CNL	1302382-003	3.21	2.82	mg/L	13 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13020677	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1302366-002	0.237	0.949	0.877	1.00	mg/L	71	64	8 %
QC13020677	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1302333-002	<0.050	0.880	0.969	1.00	mg/L	88	97	10 %
QC13020690	MS 1	Fluoride	EPA 300.0	1302378-003	<1.000	18.6	18.8	2.00	mg/L	92	93	1 %
QC13020692	MS 1	Chloride	EPA 300.0	1302381-002	9.03	35.1	35.3	5.00	mg/L	104	105	1 %
QC13020697	MS 1	Sulfate	EPA 300.0	1302378-003	141	243	243	10.0	mg/L	102	102	<1%
QC13020697	MS 2	Sulfate	EPA 300.0	1302381-002	186	237	237	10.0	mg/L	102	103	<1%
QC13020711	MS 1	Nitrite Nitrogen	EPA 300.0	1302382-003	0.033	M 0.205	0.198	0.250	mg/L	NC	NC	NC
QC13020712	MS 1	Nitrate Nitrogen	EPA 300.0	1302382-003	0.023	1.03	1.02	1.00	mg/L	101	100	1 %
QC13020723	MS 1	WAD Cyanide	SM 4500CNI	1302382-002	<0.050	0.108	0.097	0.100	mg/L	102	92	11 %
QC13020723	MS 2	WAD Cyanide	SM 4500CNI	1302315-001	0.132	0.213	0.218	0.100	mg/L	81	85	2 %
QC13020724	MS 1	Total Cyanide	SM 4500CNC	1302382-001	0.334	0.420	0.434	0.100	mg/L	86	99	3 %
QC13020733	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1302381-001	<0.100	M 0.867	0.824	0.690	mg/L	NC	NC	NC
QC13020733	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1302378-001	0.234	0.936	0.957	0.690	mg/L	102	105	2 %
QC13020733	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1302350-007	<0.100	M 0.846	0.881	0.690	mg/L	NC	NC	NC
QC13020743	MS 1	Aluminum	EPA 200.7	1302382-001	2.92	M 4.70	4.74	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1302382-001	0.035	1.02	1.01	1.00	mg/L	98	98	1 %
		Bismuth	EPA 200.7	1302382-001	<0.075	1.03	1.02	1.00	mg/L	101	100	1 %
		Boron	EPA 200.7	1302382-001	0.042	1.03	1.02	1.00	mg/L	99	98	1 %
		Calcium	EPA 200.7	1302382-001	7.54	17.8	17.6	10.0	mg/L	103	101	1 %
		Cobalt	EPA 200.7	1302382-001	0.002	0.976	0.964	1.00	mg/L	97	96	1 %
		Gallium	EPA 200.7	1302382-001	<0.020	0.972	0.966	1.00	mg/L	97	96	1 %
		Iron	EPA 200.7	1302382-001	1.47	2.61	2.64	1.00	mg/L	114	117	1 %
		Lithium	EPA 200.7	1302382-001	<0.020	0.933	0.934	1.00	mg/L	92	92	<1%
		Magnesium	EPA 200.7	1302382-001	0.570	10.6	10.5	10.0	mg/L	100	99	1 %
		Manganese	EPA 200.7	1302382-001	0.051	1.02	1.01	1.00	mg/L	97	96	1 %
		Molybdenum	EPA 200.7	1302382-001	0.010	1.00	0.996	1.00	mg/L	99	99	<1%
		Phosphorus	EPA 200.7	1302382-001	0.917	6.24	6.16	5.00	mg/L	106	105	1 %
		Potassium	EPA 200.7	1302382-001	3.50	13.2	13.3	10.0	mg/L	97	98	1 %
		Scandium	EPA 200.7	1302382-001	<0.001	0.982	0.976	1.00	mg/L	98	98	1 %
		Silicon	EPA 200.7	1302382-001	20.9	32.8	33.0	10.0	mg/L	119	121	1 %
		Sodium	EPA 200.7	1302382-001	191	202	205	10.0	mg/L	110	140	1 %
		Strontium	EPA 200.7	1302382-001	0.104	1.07	1.07	1.00	mg/L	97	97	<1%
		Tin	EPA 200.7	1302382-001	<0.010	1.01	0.995	1.00	mg/L	101	100	1 %
		Titanium	EPA 200.7	1302382-001	0.044	1.05	1.04	1.00	mg/L	101	100	1 %
		Vanadium	EPA 200.7	1302382-001	0.030	1.01	1.00	1.00	mg/L	98	97	1 %
		Zinc	EPA 200.7	1302382-001	0.038	1.11	1.09	1.00	mg/L	107	105	2 %
QC13020777	MS 1	Mercury	EPA 200.8	1302382-001	<0.00100	0.001300	0.001200	0.001	mg/L	90	80	8 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13030030	MS 1	Antimony	EPA 200.8	1302382-001	0.5469	SC 0.5747	0.5576	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1302382-001	3.8173	SC 4.0387	3.8927	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1302382-001	<0.0035	0.0097	0.0095	0.010	mg/L	97	95	2 %
		Cadmium	EPA 200.8	1302382-001	<0.0009	0.0098	0.0097	0.010	mg/L	93	92	1 %
		Chromium	EPA 200.8	1302382-001	0.0020	0.0118	0.0119	0.010	mg/L	98	99	1 %
		Copper	EPA 200.8	1302382-001	0.0095	0.0175	0.0177	0.010	mg/L	80	82	1 %
		Lead	EPA 200.8	1302382-001	0.2671	SC 0.2910	0.2780	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1302382-001	0.0034	0.0127	0.0125	0.010	mg/L	93	91	2 %
		Selenium	EPA 200.8	1302382-001	0.0151	0.0592	0.0584	0.050	mg/L	88	87	1 %
		Silver	EPA 200.8	1302382-001	<0.0015	0.0094	0.0094	0.010	mg/L	94	94	<1%
		Thallium	EPA 200.8	1302382-001	<0.0004	0.0088	0.0088	0.010	mg/L	87	88	<1%
		Uranium	EPA 200.8	1302382-001	0.0820	0.0899	0.0878	0.010	mg/L	79	58	2 %
		Thiocyanate	SM 4500 CN	1302382-003	1.10	1.99	2.09	0.500	mg/L	89	99	5 %

3/7/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1302382

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 2/25/2013. Additional comments are located on page 2 of this report.

This is an amended report that includes the corrected Date Received information. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1302382

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Aluminum on sample 1302382-001 as well as Nitrite Nitrogen on sample 1302382-003 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1302382-001 Mercury

1302382-002 Mercury

1302382-003 Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 3/7/2013

OrderID: 1302382

Customer Sample ID: 63301 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-001

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	4.0	mg/L	0.10	3/1/2013
Thiocyanate	SM 4500 CNM	0.84	mg/L	0.20	3/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/25/2013
pH	SM 4500-H+ B	8.61	pH Units		2/25/2013
Trace Metals Digestion	EPA 200.2	Complete			2/26/2013
Acidity (Titrimetric)	SM 2310B	-121	mg/L as CaCO3		2/25/2013
Bicarbonate (HCO3)	SM 2320B	460	mg/L	1.0	2/25/2013
Carbonate (CO3)	SM 2320B	14	mg/L	1.0	2/25/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/25/2013
Total Alkalinity	SM 2320B	400	mg/L as CaCO3	1.0	2/25/2013
Redox Potential	SM 2580B	3.5	mV		2/26/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	2/26/2013
Fluoride	EPA 300.0	1.0	mg/L	0.10	2/26/2013
Sulfate	EPA 300.0	76	mg/L	1.0	2/26/2013
Nitrate Nitrogen	EPA 300.0	0.35	mg/L	0.010	2/25/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/25/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.73	mg/L	0.10	2/27/2013
Total Nitrogen	Calc.	1.1	mg/L	0.070	2/27/2013
Total Cyanide	SM 4500CNC	0.33	mg/L	0.25	2/26/2013
Total Dissolved Solids (TDS)	SM 2540C	580	mg/L	10	2/26/2013
WAD Cyanide	SM 4500CNI	<0.050	mg/L	0.050	2/26/2013
Electrical Conductivity	SM 2510B	890	µmhos/cm	1	2/28/2013
Aluminum	EPA 200.7	2.9 M	mg/L	0.045	2/27/2013
Barium	EPA 200.7	0.035	mg/L	0.010	2/27/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/27/2013
Boron	EPA 200.7	0.042	mg/L	0.020	2/27/2013
Calcium	EPA 200.7	7.5	mg/L	0.50	2/27/2013

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Customer Sample ID: 63301 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-001

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.0024	mg/L	0.0020	2/27/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Iron	EPA 200.7	1.5	mg/L	0.010	2/27/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Magnesium	EPA 200.7	0.57	mg/L	0.25	2/27/2013
Manganese	EPA 200.7	0.051	mg/L	0.0050	2/27/2013
Molybdenum	EPA 200.7	0.010	mg/L	0.0050	2/27/2013
Phosphorus	EPA 200.7	0.92	mg/L	0.50	2/27/2013
Potassium	EPA 200.7	3.5	mg/L	0.50	2/27/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/27/2013
Silicon	EPA 200.7	21	mg/L	0.10	2/27/2013
Sodium	EPA 200.7	190	mg/L	0.50	2/27/2013
Strontium	EPA 200.7	0.10	mg/L	0.0020	2/27/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/27/2013
Titanium	EPA 200.7	0.044	mg/L	0.0050	2/27/2013
Vanadium	EPA 200.7	0.030	mg/L	0.010	2/27/2013
Zinc	EPA 200.7	0.038	mg/L	0.010	2/27/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/28/2013
Antimony	EPA 200.8	0.55	SC mg/L	0.025	2/28/2013
Arsenic	EPA 200.8	3.8	SC mg/L	0.050	2/28/2013
Beryllium	EPA 200.8	<0.0035	mg/L	0.0035	2/28/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	2/27/2013
Chromium	EPA 200.8	0.0020	mg/L	0.0010	2/28/2013
Copper	EPA 200.8	0.0095	mg/L	0.0025	2/27/2013
Lead	EPA 200.8	0.27	SC mg/L	0.025	2/28/2013
Nickel	EPA 200.8	0.0034	mg/L	0.0010	2/28/2013
Selenium	EPA 200.8	0.015	mg/L	0.0020	2/27/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	2/28/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	2/27/2013
Uranium	EPA 200.8	0.082	mg/L	0.0050	2/27/2013
Anions	Calculation	9.68	meq/L	0.10	
Cations	Calculation	7.95	meq/L	0.10	
Error	Calculation	9.8	%	1.0	

Customer Sample ID: 63316 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-002

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.84	mg/L	0.20	3/1/2013
Cyanate	SM 4500 CNL	2.9	mg/L	0.10	3/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/25/2013
pH	SM 4500-H+ B	8.75	pH Units		2/25/2013
Trace Metals Digestion	EPA 200.2	Complete			2/26/2013
Acidity (Titrimetric)	SM 2310B	-88	mg/L as CaCO3		2/25/2013
Bicarbonate (HCO3)	SM 2320B	480	mg/L	1.0	2/25/2013
Carbonate (CO3)	SM 2320B	23	mg/L	1.0	2/25/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/25/2013
Total Alkalinity	SM 2320B	430	mg/L as CaCO3	1.0	2/25/2013
Redox Potential	SM 2580B	50	mV		2/26/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	2/26/2013
Fluoride	EPA 300.0	1.2	mg/L	0.10	2/26/2013
Sulfate	EPA 300.0	130	mg/L	1.0	2/26/2013
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/25/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/25/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.49	mg/L	0.10	2/27/2013
Total Nitrogen	Calc.	0.49	mg/L	0.070	2/27/2013
Total Cyanide	SM 4500CNC	0.074	mg/L	0.050	2/26/2013
Total Dissolved Solids (TDS)	SM 2540C	690	mg/L	10	2/26/2013
WAD Cyanide	SM 4500CNI	<0.050	mg/L	0.050	2/26/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	2/28/2013
Aluminum	EPA 200.7	2.4	mg/L	0.045	2/27/2013
Barium	EPA 200.7	0.026	mg/L	0.010	2/27/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/27/2013
Boron	EPA 200.7	0.033	mg/L	0.020	2/27/2013
Calcium	EPA 200.7	6.0	mg/L	0.50	2/27/2013
Cobalt	EPA 200.7	0.0020	mg/L	0.0020	2/27/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Iron	EPA 200.7	1.4	mg/L	0.010	2/27/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Magnesium	EPA 200.7	0.38	mg/L	0.25	2/27/2013
Manganese	EPA 200.7	0.033	mg/L	0.0050	2/27/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	2/27/2013
Phosphorus	EPA 200.7	0.53	mg/L	0.50	2/27/2013
Potassium	EPA 200.7	3.8	mg/L	0.50	2/27/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/27/2013
Silicon	EPA 200.7	19	mg/L	0.10	2/27/2013

Customer Sample ID: 63316 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-002

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	230	mg/L	0.50	2/27/2013
Strontium	EPA 200.7	0.076	mg/L	0.0020	2/27/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/27/2013
Titanium	EPA 200.7	0.042	mg/L	0.0050	2/27/2013
Vanadium	EPA 200.7	0.023	mg/L	0.010	2/27/2013
Zinc	EPA 200.7	0.040	mg/L	0.010	2/27/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/28/2013
Antimony	EPA 200.8	0.58	mg/L	0.0025	2/28/2013
Arsenic	EPA 200.8	3.1	mg/L	0.0050	2/28/2013
Beryllium	EPA 200.8	<0.0035	mg/L	0.0035	2/28/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	2/27/2013
Chromium	EPA 200.8	0.0018	mg/L	0.0010	2/28/2013
Copper	EPA 200.8	0.027	mg/L	0.0025	2/27/2013
Lead	EPA 200.8	0.23	mg/L	0.0025	2/28/2013
Nickel	EPA 200.8	0.0030	mg/L	0.0010	2/28/2013
Selenium	EPA 200.8	0.013	mg/L	0.0020	2/27/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	2/28/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	2/27/2013
Uranium	EPA 200.8	0.080	mg/L	0.0050	2/27/2013
Anions	Calculation	11.4	meq/L	0.10	
Cations	Calculation	9.85	meq/L	0.10	
Error	Calculation	7.3	%	1.0	

Customer Sample ID: 63322 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-003

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.2	mg/L	0.10	3/1/2013
Thiocyanate	SM 4500 CNM	1.1	mg/L	0.20	3/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/25/2013
pH	SM 4500-H+ B	8.77	pH Units		2/25/2013
Trace Metals Digestion	EPA 200.2	Complete			2/26/2013
Acidity (Titrimetric)	SM 2310B	-102	mg/L as CaCO3		2/25/2013
Bicarbonate (HCO3)	SM 2320B	600	mg/L	1.0	2/25/2013
Carbonate (CO3)	SM 2320B	29	mg/L	1.0	2/25/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/25/2013
Total Alkalinity	SM 2320B	540	mg/L as CaCO3	1.0	2/25/2013
Redox Potential	SM 2580B	440	mV		2/26/2013

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Customer Sample ID: 63322 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-003

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	<0.10	mg/L	0.10	2/26/2013
Fluoride	EPA 300.0	0.75	mg/L	0.10	2/26/2013
Sulfate	EPA 300.0	23	mg/L	1.0	2/26/2013
Nitrate Nitrogen	EPA 300.0	0.023	mg/L	0.010	2/25/2013
Nitrite Nitrogen	EPA 300.0	0.033	M mg/L	0.010	2/25/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.58	mg/L	0.10	2/27/2013
Total Nitrogen	Calc.	0.64	mg/L	0.070	2/27/2013
Total Cyanide	SM 4500CNC	0.050	mg/L	0.050	2/26/2013
Total Dissolved Solids (TDS)	SM 2540C	620	mg/L	10	2/26/2013
WAD Cyanide	SM 4500CNI	<0.050	mg/L	0.050	2/26/2013
Electrical Conductivity	SM 2510B	1000	µmhos/cm	1	2/28/2013
Aluminum	EPA 200.7	2.0	mg/L	0.045	2/27/2013
Barium	EPA 200.7	0.027	mg/L	0.010	2/27/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/27/2013
Boron	EPA 200.7	0.078	mg/L	0.020	2/27/2013
Calcium	EPA 200.7	5.8	mg/L	0.50	2/27/2013
Cobalt	EPA 200.7	0.0030	mg/L	0.0020	2/27/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Iron	EPA 200.7	1.2	mg/L	0.010	2/27/2013
Lithium	EPA 200.7	0.053	mg/L	0.020	2/27/2013
Magnesium	EPA 200.7	0.68	mg/L	0.25	2/27/2013
Manganese	EPA 200.7	0.035	mg/L	0.0050	2/27/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	2/27/2013
Phosphorus	EPA 200.7	0.42	mg/L	0.20	2/27/2013
Potassium	EPA 200.7	3.6	mg/L	0.50	2/27/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/27/2013
Silicon	EPA 200.7	18	mg/L	0.10	2/27/2013
Sodium	EPA 200.7	230	mg/L	0.50	2/27/2013
Strontium	EPA 200.7	0.081	mg/L	0.0020	2/27/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/27/2013
Titanium	EPA 200.7	0.076	mg/L	0.0050	2/27/2013
Vanadium	EPA 200.7	0.020	mg/L	0.010	2/27/2013
Zinc	EPA 200.7	0.047	mg/L	0.010	2/27/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/28/2013
Antimony	EPA 200.8	0.25	mg/L	0.025	2/28/2013
Arsenic	EPA 200.8	2.4	mg/L	0.050	2/28/2013
Beryllium	EPA 200.8	<0.0035	mg/L	0.0035	2/28/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	2/27/2013

Customer Sample ID: 63322 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-003

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.8	0.0026	mg/L	0.0010	2/28/2013
Copper	EPA 200.8	0.068	mg/L	0.0025	2/27/2013
Lead	EPA 200.8	0.23	mg/L	0.025	2/28/2013
Nickel	EPA 200.8	0.0035	mg/L	0.0010	2/28/2013
Selenium	EPA 200.8	0.0089	mg/L	0.0020	2/27/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	2/28/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	2/27/2013
Uranium	EPA 200.8	0.043	mg/L	0.0050	2/27/2013
Anions	Calculation	11.3	meq/L	0.10	
Cations	Calculation	9.69	meq/L	0.10	
Error	Calculation	7.8	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13020677	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020677	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020677	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020690	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13020690	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13020692	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13020692	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13020697	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13020697	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13020697	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13020711	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020711	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020712	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13020712	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13020723	Blank 1	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13020723	Blank 2	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13020724	Blank 1	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13020724	Blank 2	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13020733	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020733	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020733	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020733	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020743	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.100	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.0100	mg/L
		Gallium	EPA 200.7	<0.100	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.100	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.0100	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.1000	mg/L
		Tin	EPA 200.7	<0.100	mg/L
		Titanium	EPA 200.7	<0.1000	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13020777	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Beryllium	EPA 200.8	<0.00100	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.0100	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.00100	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC13020800	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020805	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13020805	Blank 2	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13030029	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030029	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030030	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13030030	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13020677	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.858	1.00	86	mg/L
QC13020690	LCS 1	Fluoride	EPA 300.0	1.86	2.00	93	mg/L
QC13020692	LCS 1	Chloride	EPA 300.0	10.1	10.0	101	mg/L
QC13020697	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC13020701	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13020701	LCS 2	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13020701	LCS 3	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC13020704	LCS 1	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13020704	LCS 2	Total Alkalinity	SM 2320B	98.9	100	99	mg/L
QC13020704	LCS 3	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13020704	LCS 4	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13020711	LCS 1	Nitrite Nitrogen	EPA 300.0	0.235	0.500	94	mg/L
QC13020712	LCS 1	Nitrate Nitrogen	EPA 300.0	0.232	0.250	93	mg/L
QC13020723	LCS 1	WAD Cyanide	SM 4500CNI	0.107	0.100	107	mg/L
QC13020724	LCS 1	Total Cyanide	SM 4500CNC	0.107	0.100	107	mg/L
QC13020725	LCS 1	Redox Potential	SM 2580B	218	221	99	mV
QC13020733	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.704	0.690	102	mg/L
QC13020733	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.746	0.690	108	mg/L
QC13020743	LCS 1	Aluminum	EPA 200.7	0.970	1.00	97	mg/L
		Barium	EPA 200.7	0.986	1.00	99	mg/L
		Bismuth	EPA 200.7	1.02	1.00	102	mg/L
		Boron	EPA 200.7	0.960	1.00	96	mg/L
		Calcium	EPA 200.7	9.95	10.0	100	mg/L
		Cobalt	EPA 200.7	0.985	1.00	98	mg/L
		Gallium	EPA 200.7	0.985	1.00	98	mg/L
		Iron	EPA 200.7	0.983	1.00	98	mg/L
		Lithium	EPA 200.7	0.986	1.00	99	mg/L
		Magnesium	EPA 200.7	9.75	10.0	98	mg/L
		Manganese	EPA 200.7	0.981	1.00	98	mg/L
		Molybdenum	EPA 200.7	0.994	1.00	99	mg/L
		Phosphorus	EPA 200.7	5.04	5.00	101	mg/L
		Potassium	EPA 200.7	9.85	10.0	98	mg/L
		Scandium	EPA 200.7	0.984	1.00	98	mg/L
		Silicon	EPA 200.7	9.28	10.0	93	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC13020777	LCS 1	Sodium	EPA 200.7	9.97	10.0	100	mg/L	
		Strontium	EPA 200.7	0.998	1.00	100	mg/L	
		Tin	EPA 200.7	0.988	1.00	99	mg/L	
		Titanium	EPA 200.7	0.992	1.00	99	mg/L	
		Vanadium	EPA 200.7	0.982	1.00	98	mg/L	
		Zinc	EPA 200.7	1.01	1.00	101	mg/L	
		Mercury	EPA 200.8	0.000878	0.001	88	mg/L	
		Antimony	EPA 200.8	0.0097	0.010	97	mg/L	
		Arsenic	EPA 200.8	0.0509	0.050	102	mg/L	
		Beryllium	EPA 200.8	0.0094	0.010	94	mg/L	
		Cadmium	EPA 200.8	0.0099	0.010	99	mg/L	
		Chromium	EPA 200.8	0.0096	0.010	96	mg/L	
		Copper	EPA 200.8	0.0102	0.010	102	mg/L	
		Lead	EPA 200.8	0.0100	0.010	100	mg/L	
		Nickel	EPA 200.8	<0.0100	0.010	98	mg/L	
		Selenium	EPA 200.8	0.0473	0.050	94	mg/L	
		Silver	EPA 200.8	0.0098	0.010	98	mg/L	
		Thallium	EPA 200.8	0.0098	0.010	98	mg/L	
QC13020800	LCS 1	Uranium	EPA 200.8	0.0097	0.010	97	mg/L	
QC13020800	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L	
QC13020805	LCS 1	Electrical Conductivity	SM 2510B	1366	1412	97	µmhos/cm	
QC13030029	LCS 1	Cyanate	SM 4500 CNL	1.02	1.00	102	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13020701	Duplicate	pH	SM 4500-H+ B	1302390-001	8.10	8.10	pH Units	<1%
QC13020701	Duplicate	pH	SM 4500-H+ B	1302391-001	9.96	9.98	pH Units	<1%
QC13020701	Duplicate	pH	SM 4500-H+ B	1302391-002	10.5	10.5	pH Units	<1%
QC13020701	Duplicate	pH	SM 4500-H+ B	1302382-001	8.61	8.63	pH Units	<1%
QC13020701	Duplicate	pH	SM 4500-H+ B	1302382-002	8.75	8.75	pH Units	<1%
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302390-001	223	224	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302390-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1302390-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302390-001	183	183	mg/L as CaCO3	<1%
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302391-001	84.1	79.7	mg/L	5 %
		Carbonate (CO3)	SM 2320B	1302391-001	192	194	mg/L	1 %
		Hydroxide (OH)	SM 2320B	1302391-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302391-001	387	388	mg/L as CaCO3	<1%
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302391-002	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302391-002	228	226	mg/L	1 %
		Hydroxide (OH)	SM 2320B	1302391-002	37.1	39.1	mg/L	5 %
		Total Alkalinity	SM 2320B	1302391-002	487	490	mg/L as CaCO3	1 %
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302382-001	457	455	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1302382-001	14.0	14.6	mg/L	4 %
		Hydroxide (OH)	SM 2320B	1302382-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302382-001	398	397	mg/L as CaCO3	<1%
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302382-002	482	483	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13020725	Duplicate	Carbonate (CO3)	SM 2320B	1302382-002	23.0	22.5	mg/L	2 %
		Hydroxide (OH)	SM 2320B	1302382-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302382-002	434	433	mg/L as CaCO3	<1%
		Redox Potential	SM 2580B	1302389-001	450	452	mV	<1%
		Redox Potential	SM 2580B	1302389-011	406	401	mV	1 %
		Total Dissolved Solids (TDS)	SM 2540C	1302356-001	32.0	30.0	mg/L	6 %
		Total Dissolved Solids (TDS)	SM 2540C	1302397-004	1002	1002	mg/L	<1%
		Electrical Conductivity	SM 2510B	1302382-001	889	892	µmhos/cm	<1%
		Electrical Conductivity	SM 2510B	1302397-005	387	378	µmhos/cm	2 %
QC13030029	Duplicate	Cyanate	SM 4500 CNL	1302382-003	3.21	2.82	mg/L	13 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13020677	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1302366-002	0.237	M 0.949	0.877	1.00	mg/L	NC	NC	NC
QC13020677	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1302333-002	<0.050	0.880	0.969	1.00	mg/L	88	97	10 %
QC13020690	MS 1	Fluoride	EPA 300.0	1302378-003	<1.000	18.6	18.8	2.00	mg/L	92	93	1 %
QC13020692	MS 1	Chloride	EPA 300.0	1302381-002	9.03	35.1	35.3	5.00	mg/L	104	105	1 %
QC13020697	MS 1	Sulfate	EPA 300.0	1302378-003	141	243	243	10.0	mg/L	102	102	<1%
QC13020697	MS 2	Sulfate	EPA 300.0	1302381-002	186	237	237	10.0	mg/L	102	103	<1%
QC13020711	MS 1	Nitrite Nitrogen	EPA 300.0	1302382-003	0.033	M 0.205	0.198	0.250	mg/L	NC	NC	NC
QC13020712	MS 1	Nitrate Nitrogen	EPA 300.0	1302382-003	0.023	1.03	1.02	1.00	mg/L	101	100	1 %
QC13020723	MS 1	WAD Cyanide	SM 4500CNI	1302382-002	<0.050	0.108	0.097	0.100	mg/L	102	92	11 %
QC13020723	MS 2	WAD Cyanide	SM 4500CNI	1302315-001	0.132	0.213	0.218	0.100	mg/L	81	85	2 %
QC13020724	MS 1	Total Cyanide	SM 4500CNC	1302382-001	0.334	0.420	0.434	0.100	mg/L	86	99	3 %
QC13020733	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1302381-001	<0.100	M 0.867	0.824	0.690	mg/L	NC	NC	NC
QC13020733	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1302378-001	0.234	0.936	0.957	0.690	mg/L	102	105	2 %
QC13020733	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1302350-007	<0.100	M 0.846	0.881	0.690	mg/L	NC	NC	NC
QC13020743	MS 1	Aluminum	EPA 200.7	1302382-001	2.92	M 4.70	4.74	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1302382-001	0.035	1.02	1.01	1.00	mg/L	98	98	1 %
		Bismuth	EPA 200.7	1302382-001	<0.075	1.03	1.02	1.00	mg/L	101	100	1 %
		Boron	EPA 200.7	1302382-001	0.042	1.03	1.02	1.00	mg/L	99	98	1 %
		Calcium	EPA 200.7	1302382-001	7.54	17.8	17.6	10.0	mg/L	103	101	1 %
		Cobalt	EPA 200.7	1302382-001	0.002	0.976	0.964	1.00	mg/L	97	96	1 %
		Gallium	EPA 200.7	1302382-001	<0.020	0.972	0.966	1.00	mg/L	97	96	1 %
		Iron	EPA 200.7	1302382-001	1.47	2.61	2.64	1.00	mg/L	114	117	1 %
		Lithium	EPA 200.7	1302382-001	<0.020	0.933	0.934	1.00	mg/L	92	92	<1%
		Magnesium	EPA 200.7	1302382-001	0.570	10.6	10.5	10.0	mg/L	100	99	1 %
		Manganese	EPA 200.7	1302382-001	0.051	1.02	1.01	1.00	mg/L	97	96	1 %
		Molybdenum	EPA 200.7	1302382-001	0.010	1.00	0.996	1.00	mg/L	99	99	<1%
		Phosphorus	EPA 200.7	1302382-001	0.917	6.24	6.16	5.00	mg/L	106	105	1 %
		Potassium	EPA 200.7	1302382-001	3.50	13.2	13.3	10.0	mg/L	97	98	1 %
		Scandium	EPA 200.7	1302382-001	<0.001	0.982	0.976	1.00	mg/L	98	98	1 %
		Silicon	EPA 200.7	1302382-001	20.9	32.8	33.0	10.0	mg/L	119	121	1 %
		Sodium	EPA 200.7	1302382-001	191	202	205	10.0	mg/L	110	140	1 %
		Strontium	EPA 200.7	1302382-001	0.104	1.07	1.07	1.00	mg/L	97	97	<1%
		Tin	EPA 200.7	1302382-001	<0.010	1.01	0.995	1.00	mg/L	101	100	1 %
		Titanium	EPA 200.7	1302382-001	0.044	1.05	1.04	1.00	mg/L	101	100	1 %
		Vanadium	EPA 200.7	1302382-001	0.030	1.01	1.00	1.00	mg/L	98	97	1 %
		Zinc	EPA 200.7	1302382-001	0.038	1.11	1.09	1.00	mg/L	107	105	2 %
QC13020777	MS 1	Mercury	EPA 200.8	1302382-001	<0.00100	0.001300	0.001200	0.001	mg/L	90	80	8 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13030030	MS 1	Antimony	EPA 200.8	1302382-001	0.5469	SC 0.5747	0.5576	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1302382-001	3.8173	SC 4.0387	3.8927	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1302382-001	<0.0035	0.0097	0.0095	0.010	mg/L	97	95	2 %
		Cadmium	EPA 200.8	1302382-001	<0.0009	0.0098	0.0097	0.010	mg/L	93	92	1 %
		Chromium	EPA 200.8	1302382-001	0.0020	0.0118	0.0119	0.010	mg/L	98	99	1 %
		Copper	EPA 200.8	1302382-001	0.0095	0.0175	0.0177	0.010	mg/L	80	82	1 %
		Lead	EPA 200.8	1302382-001	0.2671	SC 0.2910	0.2780	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1302382-001	0.0034	0.0127	0.0125	0.010	mg/L	93	91	2 %
		Selenium	EPA 200.8	1302382-001	0.0151	0.0592	0.0584	0.050	mg/L	88	87	1 %
		Silver	EPA 200.8	1302382-001	<0.0015	0.0094	0.0094	0.010	mg/L	94	94	<1%
		Thallium	EPA 200.8	1302382-001	<0.0004	0.0088	0.0088	0.010	mg/L	87	88	<1%
		Uranium	EPA 200.8	1302382-001	0.0820	0.0899	0.0878	0.010	mg/L	79	58	2 %
		Thiocyanate	SM 4500 CN	1302382-003	1.10	1.99	2.09	0.500	mg/L	89	99	5 %

3/21/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1302382

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 2/25/2013. Additional comments are located on page 2 of this report.

This is an amended report that includes the corrected reporting limit for Beryllium on all samples. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1302382

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Aluminum on sample 1302382-001 as well as Nitrite Nitrogen on sample 1302382-003 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1302382-001 Mercury

1302382-002 Mercury

1302382-003 Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 3/21/2013

OrderID: 1302382

Customer Sample ID: 63301 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-001

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	4.0	mg/L	0.10	3/1/2013
Thiocyanate	SM 4500 CNM	0.84	mg/L	0.20	3/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/25/2013
pH	SM 4500-H+ B	8.61	pH Units		2/25/2013
Trace Metals Digestion	EPA 200.2	Complete			2/26/2013
Acidity (Titrimetric)	SM 2310B	-121	mg/L as CaCO3		2/25/2013
Bicarbonate (HCO3)	SM 2320B	460	mg/L	1.0	2/25/2013
Carbonate (CO3)	SM 2320B	14	mg/L	1.0	2/25/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/25/2013
Total Alkalinity	SM 2320B	400	mg/L as CaCO3	1.0	2/25/2013
Redox Potential	SM 2580B	3.5	mV		2/26/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	2/26/2013
Fluoride	EPA 300.0	1.0	mg/L	0.10	2/26/2013
Sulfate	EPA 300.0	76	mg/L	1.0	2/26/2013
Nitrate Nitrogen	EPA 300.0	0.35	mg/L	0.010	2/25/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/25/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.73	mg/L	0.10	2/27/2013
Total Nitrogen	Calc.	1.1	mg/L	0.070	2/27/2013
Total Cyanide	SM 4500CNC	0.33	mg/L	0.25	2/26/2013
Total Dissolved Solids (TDS)	SM 2540C	580	mg/L	10	2/26/2013
WAD Cyanide	SM 4500CNI	<0.050	mg/L	0.050	2/26/2013
Electrical Conductivity	SM 2510B	890	µmhos/cm	1	2/28/2013
Aluminum	EPA 200.7	2.9	M mg/L	0.045	2/27/2013
Barium	EPA 200.7	0.035	mg/L	0.010	2/27/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/27/2013
Boron	EPA 200.7	0.042	mg/L	0.020	2/27/2013
Calcium	EPA 200.7	7.5	mg/L	0.50	2/27/2013

Customer Sample ID: 63301 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-001

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.0024	mg/L	0.0020	2/27/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Iron	EPA 200.7	1.5	mg/L	0.010	2/27/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Magnesium	EPA 200.7	0.57	mg/L	0.25	2/27/2013
Manganese	EPA 200.7	0.051	mg/L	0.0050	2/27/2013
Molybdenum	EPA 200.7	0.010	mg/L	0.0050	2/27/2013
Phosphorus	EPA 200.7	0.92	mg/L	0.50	2/27/2013
Potassium	EPA 200.7	3.5	mg/L	0.50	2/27/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/27/2013
Silicon	EPA 200.7	21	mg/L	0.10	2/27/2013
Sodium	EPA 200.7	190	mg/L	0.50	2/27/2013
Strontium	EPA 200.7	0.10	mg/L	0.0020	2/27/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/27/2013
Titanium	EPA 200.7	0.044	mg/L	0.0050	2/27/2013
Vanadium	EPA 200.7	0.030	mg/L	0.010	2/27/2013
Zinc	EPA 200.7	0.038	mg/L	0.010	2/27/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/28/2013
Antimony	EPA 200.8	0.55	SC mg/L	0.025	2/28/2013
Arsenic	EPA 200.8	3.8	SC mg/L	0.050	2/28/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	2/28/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	2/27/2013
Chromium	EPA 200.8	0.0020	mg/L	0.0010	2/28/2013
Copper	EPA 200.8	0.0095	mg/L	0.0025	2/27/2013
Lead	EPA 200.8	0.27	SC mg/L	0.025	2/28/2013
Nickel	EPA 200.8	0.0034	mg/L	0.0010	2/28/2013
Selenium	EPA 200.8	0.015	mg/L	0.0020	2/27/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	2/28/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	2/27/2013
Uranium	EPA 200.8	0.082	mg/L	0.0050	2/27/2013
Anions	Calculation	9.68	meq/L	0.10	
Cations	Calculation	7.95	meq/L	0.10	
Error	Calculation	9.8	%	1.0	

Customer Sample ID: 63316 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-002

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.84	mg/L	0.20	3/1/2013
Cyanate	SM 4500 CNL	2.9	mg/L	0.10	3/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/25/2013
pH	SM 4500-H+ B	8.75	pH Units		2/25/2013
Trace Metals Digestion	EPA 200.2	Complete			2/26/2013
Acidity (Titrimetric)	SM 2310B	-88	mg/L as CaCO3		2/25/2013
Bicarbonate (HCO3)	SM 2320B	480	mg/L	1.0	2/25/2013
Carbonate (CO3)	SM 2320B	23	mg/L	1.0	2/25/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/25/2013
Total Alkalinity	SM 2320B	430	mg/L as CaCO3	1.0	2/25/2013
Redox Potential	SM 2580B	50	mV		2/26/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	2/26/2013
Fluoride	EPA 300.0	1.2	mg/L	0.10	2/26/2013
Sulfate	EPA 300.0	130	mg/L	1.0	2/26/2013
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/25/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	2/25/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.49	mg/L	0.10	2/27/2013
Total Nitrogen	Calc.	0.49	mg/L	0.070	2/27/2013
Total Cyanide	SM 4500CNC	0.074	mg/L	0.050	2/26/2013
Total Dissolved Solids (TDS)	SM 2540C	690	mg/L	10	2/26/2013
WAD Cyanide	SM 4500CNI	<0.050	mg/L	0.050	2/26/2013
Electrical Conductivity	SM 2510B	1100	µmhos/cm	1	2/28/2013
Aluminum	EPA 200.7	2.4	mg/L	0.045	2/27/2013
Barium	EPA 200.7	0.026	mg/L	0.010	2/27/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/27/2013
Boron	EPA 200.7	0.033	mg/L	0.020	2/27/2013
Calcium	EPA 200.7	6.0	mg/L	0.50	2/27/2013
Cobalt	EPA 200.7	0.0020	mg/L	0.0020	2/27/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Iron	EPA 200.7	1.4	mg/L	0.010	2/27/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Magnesium	EPA 200.7	0.38	mg/L	0.25	2/27/2013
Manganese	EPA 200.7	0.033	mg/L	0.0050	2/27/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	2/27/2013
Phosphorus	EPA 200.7	0.53	mg/L	0.50	2/27/2013
Potassium	EPA 200.7	3.8	mg/L	0.50	2/27/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/27/2013
Silicon	EPA 200.7	19	mg/L	0.10	2/27/2013

Customer Sample ID: 63316 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-002

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	230	mg/L	0.50	2/27/2013
Strontium	EPA 200.7	0.076	mg/L	0.0020	2/27/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/27/2013
Titanium	EPA 200.7	0.042	mg/L	0.0050	2/27/2013
Vanadium	EPA 200.7	0.023	mg/L	0.010	2/27/2013
Zinc	EPA 200.7	0.040	mg/L	0.010	2/27/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/28/2013
Antimony	EPA 200.8	0.58	mg/L	0.0025	2/28/2013
Arsenic	EPA 200.8	3.1	mg/L	0.0050	2/28/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	2/28/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	2/27/2013
Chromium	EPA 200.8	0.0018	mg/L	0.0010	2/28/2013
Copper	EPA 200.8	0.027	mg/L	0.0025	2/27/2013
Lead	EPA 200.8	0.23	mg/L	0.0025	2/28/2013
Nickel	EPA 200.8	0.0030	mg/L	0.0010	2/28/2013
Selenium	EPA 200.8	0.013	mg/L	0.0020	2/27/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	2/28/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	2/27/2013
Uranium	EPA 200.8	0.080	mg/L	0.0050	2/27/2013
Anions	Calculation	11.4	meq/L	0.10	
Cations	Calculation	9.85	meq/L	0.10	
Error	Calculation	7.3	%	1.0	

Customer Sample ID: 63322 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-003

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.2	mg/L	0.10	3/1/2013
Thiocyanate	SM 4500 CNM	1.1	mg/L	0.20	3/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	2/25/2013
pH	SM 4500-H+ B	8.77	pH Units		2/25/2013
Trace Metals Digestion	EPA 200.2	Complete			2/26/2013
Acidity (Titrimetric)	SM 2310B	-102	mg/L as CaCO3		2/25/2013
Bicarbonate (HCO3)	SM 2320B	600	mg/L	1.0	2/25/2013
Carbonate (CO3)	SM 2320B	29	mg/L	1.0	2/25/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	2/25/2013
Total Alkalinity	SM 2320B	540	mg/L as CaCO3	1.0	2/25/2013
Redox Potential	SM 2580B	440	mV		2/26/2013

Page 6 of 13

Customer Sample ID: 63322 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-003

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	<0.10	mg/L	0.10	2/26/2013
Fluoride	EPA 300.0	0.75	mg/L	0.10	2/26/2013
Sulfate	EPA 300.0	23	mg/L	1.0	2/26/2013
Nitrate Nitrogen	EPA 300.0	0.023	mg/L	0.010	2/25/2013
Nitrite Nitrogen	EPA 300.0	0.033 M	mg/L	0.010	2/25/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.58	mg/L	0.10	2/27/2013
Total Nitrogen	Calc.	0.64	mg/L	0.070	2/27/2013
Total Cyanide	SM 4500CNC	0.050	mg/L	0.050	2/26/2013
Total Dissolved Solids (TDS)	SM 2540C	620	mg/L	10	2/26/2013
WAD Cyanide	SM 4500CNI	<0.050	mg/L	0.050	2/26/2013
Electrical Conductivity	SM 2510B	1000	µmhos/cm	1	2/28/2013
Aluminum	EPA 200.7	2.0	mg/L	0.045	2/27/2013
Barium	EPA 200.7	0.027	mg/L	0.010	2/27/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	2/27/2013
Boron	EPA 200.7	0.078	mg/L	0.020	2/27/2013
Calcium	EPA 200.7	5.8	mg/L	0.50	2/27/2013
Cobalt	EPA 200.7	0.0030	mg/L	0.0020	2/27/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	2/27/2013
Iron	EPA 200.7	1.2	mg/L	0.010	2/27/2013
Lithium	EPA 200.7	0.053	mg/L	0.020	2/27/2013
Magnesium	EPA 200.7	0.68	mg/L	0.25	2/27/2013
Manganese	EPA 200.7	0.035	mg/L	0.0050	2/27/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	2/27/2013
Phosphorus	EPA 200.7	0.42	mg/L	0.20	2/27/2013
Potassium	EPA 200.7	3.6	mg/L	0.50	2/27/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	2/27/2013
Silicon	EPA 200.7	18	mg/L	0.10	2/27/2013
Sodium	EPA 200.7	230	mg/L	0.50	2/27/2013
Strontium	EPA 200.7	0.081	mg/L	0.0020	2/27/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	2/27/2013
Titanium	EPA 200.7	0.076	mg/L	0.0050	2/27/2013
Vanadium	EPA 200.7	0.020	mg/L	0.010	2/27/2013
Zinc	EPA 200.7	0.047	mg/L	0.010	2/27/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	2/28/2013
Antimony	EPA 200.8	0.25	mg/L	0.025	2/28/2013
Arsenic	EPA 200.8	2.4	mg/L	0.050	2/28/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	2/28/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	2/27/2013

Customer Sample ID: 63322 25 Feb 13

Collect Date/Time: 2/25/2013 08:00

WETLAB Sample ID: 1302382-003

Receive Date: 2/25/2013 08:30

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.8	0.0026	mg/L	0.0010	2/28/2013
Copper	EPA 200.8	0.068	mg/L	0.0025	2/27/2013
Lead	EPA 200.8	0.23	mg/L	0.025	2/28/2013
Nickel	EPA 200.8	0.0035	mg/L	0.0010	2/28/2013
Selenium	EPA 200.8	0.0089	mg/L	0.0020	2/27/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	2/28/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	2/27/2013
Uranium	EPA 200.8	0.043	mg/L	0.0050	2/27/2013
Anions	Calculation	11.3	meq/L	0.10	
Cations	Calculation	9.69	meq/L	0.10	
Error	Calculation	7.8	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13020677	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020677	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020677	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13020690	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13020690	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13020692	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13020692	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13020697	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13020697	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13020697	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13020711	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020711	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13020712	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13020712	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13020723	Blank 1	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13020723	Blank 2	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13020724	Blank 1	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13020724	Blank 2	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13020733	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020733	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020733	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020733	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13020743	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.100	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.0100	mg/L
		Gallium	EPA 200.7	<0.100	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.100	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.0100	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.1000	mg/L
		Tin	EPA 200.7	<0.100	mg/L
		Titanium	EPA 200.7	<0.1000	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13020777	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Beryllium	EPA 200.8	<0.00100	mg/L
		Cadmium	EPA 200.8	<0.00100	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.0100	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.00100	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC13020800	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13020805	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13020805	Blank 2	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13030029	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030029	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030030	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13030030	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13020677	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.858	1.00	86	mg/L
QC13020690	LCS 1	Fluoride	EPA 300.0	1.86	2.00	93	mg/L
QC13020692	LCS 1	Chloride	EPA 300.0	10.1	10.0	101	mg/L
QC13020697	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC13020701	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13020701	LCS 2	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13020701	LCS 3	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC13020704	LCS 1	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13020704	LCS 2	Total Alkalinity	SM 2320B	98.9	100	99	mg/L
QC13020704	LCS 3	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13020704	LCS 4	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13020711	LCS 1	Nitrite Nitrogen	EPA 300.0	0.235	0.500	94	mg/L
QC13020712	LCS 1	Nitrate Nitrogen	EPA 300.0	0.232	0.250	93	mg/L
QC13020723	LCS 1	WAD Cyanide	SM 4500CNI	0.107	0.100	107	mg/L
QC13020724	LCS 1	Total Cyanide	SM 4500CNC	0.107	0.100	107	mg/L
QC13020725	LCS 1	Redox Potential	SM 2580B	218	221	99	mV
QC13020733	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.704	0.690	102	mg/L
QC13020733	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.746	0.690	108	mg/L
QC13020743	LCS 1	Aluminum	EPA 200.7	0.970	1.00	97	mg/L
		Barium	EPA 200.7	0.986	1.00	99	mg/L
		Bismuth	EPA 200.7	1.02	1.00	102	mg/L
		Boron	EPA 200.7	0.960	1.00	96	mg/L
		Calcium	EPA 200.7	9.95	10.0	100	mg/L
		Cobalt	EPA 200.7	0.985	1.00	98	mg/L
		Gallium	EPA 200.7	0.985	1.00	98	mg/L
		Iron	EPA 200.7	0.983	1.00	98	mg/L
		Lithium	EPA 200.7	0.986	1.00	99	mg/L
		Magnesium	EPA 200.7	9.75	10.0	98	mg/L
		Manganese	EPA 200.7	0.981	1.00	98	mg/L
		Molybdenum	EPA 200.7	0.994	1.00	99	mg/L
		Phosphorus	EPA 200.7	5.04	5.00	101	mg/L
		Potassium	EPA 200.7	9.85	10.0	98	mg/L
		Scandium	EPA 200.7	0.984	1.00	98	mg/L
		Silicon	EPA 200.7	9.28	10.0	93	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC13020777	LCS 1	Sodium	EPA 200.7	9.97	10.0	100	mg/L	
		Strontium	EPA 200.7	0.998	1.00	100	mg/L	
		Tin	EPA 200.7	0.988	1.00	99	mg/L	
		Titanium	EPA 200.7	0.992	1.00	99	mg/L	
		Vanadium	EPA 200.7	0.982	1.00	98	mg/L	
		Zinc	EPA 200.7	1.01	1.00	101	mg/L	
		Mercury	EPA 200.8	0.000878	0.001	88	mg/L	
		Antimony	EPA 200.8	0.0097	0.010	97	mg/L	
		Arsenic	EPA 200.8	0.0509	0.050	102	mg/L	
		Beryllium	EPA 200.8	0.0094	0.010	94	mg/L	
		Cadmium	EPA 200.8	0.0099	0.010	99	mg/L	
		Chromium	EPA 200.8	0.0096	0.010	96	mg/L	
		Copper	EPA 200.8	0.0102	0.010	102	mg/L	
		Lead	EPA 200.8	0.0100	0.010	100	mg/L	
		Nickel	EPA 200.8	<0.0100	0.010	98	mg/L	
		Selenium	EPA 200.8	0.0473	0.050	94	mg/L	
		Silver	EPA 200.8	0.0098	0.010	98	mg/L	
		Thallium	EPA 200.8	0.0098	0.010	98	mg/L	
QC13020800	LCS 1	Uranium	EPA 200.8	0.0097	0.010	97	mg/L	
QC13020800	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L	
QC13020805	LCS 1	Electrical Conductivity	SM 2510B	1366	1412	97	µmhos/cm	
QC13030029	LCS 1	Cyanate	SM 4500 CNL	1.02	1.00	102	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13020701	Duplicate	pH	SM 4500-H+ B	1302390-001	8.10	8.10	pH Units	<1%
QC13020701	Duplicate	pH	SM 4500-H+ B	1302391-001	9.96	9.98	pH Units	<1%
QC13020701	Duplicate	pH	SM 4500-H+ B	1302391-002	10.5	10.5	pH Units	<1%
QC13020701	Duplicate	pH	SM 4500-H+ B	1302382-001	8.61	8.63	pH Units	<1%
QC13020701	Duplicate	pH	SM 4500-H+ B	1302382-002	8.75	8.75	pH Units	<1%
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302390-001	223	224	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302390-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1302390-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302390-001	183	183	mg/L as CaCO3	<1%
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302391-001	84.1	79.7	mg/L	5 %
		Carbonate (CO3)	SM 2320B	1302391-001	192	194	mg/L	1 %
		Hydroxide (OH)	SM 2320B	1302391-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302391-001	387	388	mg/L as CaCO3	<1%
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302391-002	<1.000	<1.000	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1302391-002	228	226	mg/L	1 %
		Hydroxide (OH)	SM 2320B	1302391-002	37.1	39.1	mg/L	5 %
		Total Alkalinity	SM 2320B	1302391-002	487	490	mg/L as CaCO3	1 %
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302382-001	457	455	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1302382-001	14.0	14.6	mg/L	4 %
		Hydroxide (OH)	SM 2320B	1302382-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1302382-001	398	397	mg/L as CaCO3	<1%
QC13020704	Duplicate	Bicarbonate (HCO3)	SM 2320B	1302382-002	482	483	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample			Sample Result	Duplicate Result		Units	RPD		
QC13020725	Duplicate	Carbonate (CO3)	SM 2320B		1302382-002		23.0		22.5	mg/L		2 %	
		Hydroxide (OH)	SM 2320B		1302382-002		<1.000		<1.000	mg/L		<1%	
		Total Alkalinity	SM 2320B		1302382-002		434		433	mg/L as CaCO3		<1%	
		Redox Potential	SM 2580B		1302389-001		450		452	mV		<1%	
		Redox Potential	SM 2580B		1302389-011		406		401	mV		1 %	
		Total Dissolved Solids (TDS)	SM 2540C		1302356-001		32.0		30.0	mg/L		6 %	
		Total Dissolved Solids (TDS)	SM 2540C		1302397-004		1002		1002	mg/L		<1%	
		Electrical Conductivity	SM 2510B		1302382-001		889		892	µmhos/cm		<1%	
		Electrical Conductivity	SM 2510B		1302397-005		387		378	µmhos/cm		2 %	
QC13030029	Duplicate	Cyanate	SM 4500 CNL		1302382-003		3.21		2.82	mg/L		13 %	

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result		MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13020677	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1302366-002	0.237	M	0.949	0.877	1.00	mg/L	NC	NC	NC
QC13020677	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1302333-002	<0.050		0.880	0.969	1.00	mg/L	88	97	10 %
QC13020690	MS 1	Fluoride	EPA 300.0	1302378-003	<1.000		18.6	18.8	2.00	mg/L	92	93	1 %
QC13020692	MS 1	Chloride	EPA 300.0	1302381-002	9.03		35.1	35.3	5.00	mg/L	104	105	1 %
QC13020697	MS 1	Sulfate	EPA 300.0	1302378-003	141		243	243	10.0	mg/L	102	102	<1%
QC13020697	MS 2	Sulfate	EPA 300.0	1302381-002	186		237	237	10.0	mg/L	102	103	<1%
QC13020711	MS 1	Nitrite Nitrogen	EPA 300.0	1302382-003	0.033	M	0.205	0.198	0.250	mg/L	NC	NC	NC
QC13020712	MS 1	Nitrate Nitrogen	EPA 300.0	1302382-003	0.023		1.03	1.02	1.00	mg/L	101	100	1 %
QC13020723	MS 1	WAD Cyanide	SM 4500CNI	1302382-002	<0.050		0.108	0.097	0.100	mg/L	102	92	11 %
QC13020723	MS 2	WAD Cyanide	SM 4500CNI	1302315-001	0.132		0.213	0.218	0.100	mg/L	81	85	2 %
QC13020724	MS 1	Total Cyanide	SM 4500CNC	1302382-001	0.334		0.420	0.434	0.100	mg/L	86	99	3 %
QC13020733	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1302381-001	<0.100	M	0.867	0.824	0.690	mg/L	NC	NC	NC
QC13020733	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1302378-001	0.234		0.936	0.957	0.690	mg/L	102	105	2 %
QC13020733	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1302350-007	<0.100	M	0.846	0.881	0.690	mg/L	NC	NC	NC
QC13020743	MS 1	Aluminum	EPA 200.7	1302382-001	2.92	M	4.70	4.74	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1302382-001	0.035		1.02	1.01	1.00	mg/L	98	98	1 %
		Bismuth	EPA 200.7	1302382-001	<0.075		1.03	1.02	1.00	mg/L	101	100	1 %
		Boron	EPA 200.7	1302382-001	0.042		1.03	1.02	1.00	mg/L	99	98	1 %
		Calcium	EPA 200.7	1302382-001	7.54		17.8	17.6	10.0	mg/L	103	101	1 %
		Cobalt	EPA 200.7	1302382-001	0.002		0.976	0.964	1.00	mg/L	97	96	1 %
		Gallium	EPA 200.7	1302382-001	<0.020		0.972	0.966	1.00	mg/L	97	96	1 %
		Iron	EPA 200.7	1302382-001	1.47		2.61	2.64	1.00	mg/L	114	117	1 %
		Lithium	EPA 200.7	1302382-001	<0.020		0.933	0.934	1.00	mg/L	92	92	<1%
		Magnesium	EPA 200.7	1302382-001	0.570		10.6	10.5	10.0	mg/L	100	99	1 %
		Manganese	EPA 200.7	1302382-001	0.051		1.02	1.01	1.00	mg/L	97	96	1 %
		Molybdenum	EPA 200.7	1302382-001	0.010		1.00	0.996	1.00	mg/L	99	99	<1%
		Phosphorus	EPA 200.7	1302382-001	0.917		6.24	6.16	5.00	mg/L	106	105	1 %
		Potassium	EPA 200.7	1302382-001	3.50		13.2	13.3	10.0	mg/L	97	98	1 %
		Scandium	EPA 200.7	1302382-001	<0.001		0.982	0.976	1.00	mg/L	98	98	1 %
		Silicon	EPA 200.7	1302382-001	20.9		32.8	33.0	10.0	mg/L	119	121	1 %
		Sodium	EPA 200.7	1302382-001	191		202	205	10.0	mg/L	110	140	1 %
		Strontium	EPA 200.7	1302382-001	0.104		1.07	1.07	1.00	mg/L	97	97	<1%
		Tin	EPA 200.7	1302382-001	<0.010		1.01	0.995	1.00	mg/L	101	100	1 %
		Titanium	EPA 200.7	1302382-001	0.044		1.05	1.04	1.00	mg/L	101	100	1 %
		Vanadium	EPA 200.7	1302382-001	0.030		1.01	1.00	1.00	mg/L	98	97	1 %
		Zinc	EPA 200.7	1302382-001	0.038		1.11	1.09	1.00	mg/L	107	105	2 %
QC13020777	MS 1	Mercury	EPA 200.8	1302382-001	<0.00100		0.001300	0.001200	0.001	mg/L	90	80	8 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13030030	MS 1	Antimony	EPA 200.8	1302382-001	0.5469	SC 0.5747	0.5576	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1302382-001	3.8173	SC 4.0387	3.8927	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1302382-001	<0.0004	0.0097	0.0095	0.010	mg/L	97	95	2 %
		Cadmium	EPA 200.8	1302382-001	<0.0009	0.0098	0.0097	0.010	mg/L	93	92	1 %
		Chromium	EPA 200.8	1302382-001	0.0020	0.0118	0.0119	0.010	mg/L	98	99	1 %
		Copper	EPA 200.8	1302382-001	0.0095	0.0175	0.0177	0.010	mg/L	80	82	1 %
		Lead	EPA 200.8	1302382-001	0.2671	SC 0.2910	0.2780	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1302382-001	0.0034	0.0127	0.0125	0.010	mg/L	93	91	2 %
		Selenium	EPA 200.8	1302382-001	0.0151	0.0592	0.0584	0.050	mg/L	88	87	1 %
		Silver	EPA 200.8	1302382-001	<0.0015	0.0094	0.0094	0.010	mg/L	94	94	<1%
		Thallium	EPA 200.8	1302382-001	<0.0004	0.0088	0.0088	0.010	mg/L	87	88	<1%
		Uranium	EPA 200.8	1302382-001	0.0820	0.0899	0.0878	0.010	mg/L	79	58	2 %
		Thiocyanate	SM 4500 CN	1302382-003	1.10	1.99	2.09	0.500	mg/L	89	99	5 %

3/11/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1303031

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 3/4/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1303031

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1303031-001 Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 3/11/2013

OrderID: 1303031

Customer Sample ID: 63301 4 Mar 13

Collect Date/Time: 3/4/2013 12:15

WETLAB Sample ID: 1303031-001

Receive Date: 3/4/2013 12:15

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	3.0	mg/L	0.10	3/8/2013
Thiocyanate	SM 4500 CNM	1.1	mg/L	0.20	3/8/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	3/6/2013
pH	SM 4500-H+ B	8.56	pH Units		3/4/2013
Trace Metals Digestion	EPA 200.2	Complete			3/7/2013
Acidity (Titrimetric)	SM 2310B	-37	mg/L as CaCO3		3/6/2013
Bicarbonate (HCO3)	SM 2320B	410	mg/L	1.0	3/4/2013
Carbonate (CO3)	SM 2320B	11	mg/L	1.0	3/4/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	3/4/2013
Total Alkalinity	SM 2320B	360	mg/L as CaCO3	1.0	3/4/2013
Redox Potential	SM 2580B	36	mV		3/5/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	3/6/2013
Fluoride	EPA 300.0	1.1	mg/L	0.10	3/6/2013
Sulfate	EPA 300.0	77	mg/L	1.0	3/6/2013
Nitrate Nitrogen	EPA 300.0	0.28	mg/L	0.010	3/5/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/5/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.72	mg/L	0.10	3/6/2013
Total Nitrogen	Calc.	1.0	mg/L	0.070	3/6/2013
Total Cyanide	SM 4500CNC	0.31	SC mg/L	0.050	3/5/2013
Total Dissolved Solids (TDS)	SM 2540C	560	mg/L	10	3/5/2013
WAD Cyanide	SM 4500CNI	0.025	mg/L	0.010	3/5/2013
Electrical Conductivity	SM 2510B	830	µmhos/cm	1	3/4/2013
Aluminum	EPA 200.7	3.1	mg/L	0.045	3/8/2013
Barium	EPA 200.7	0.034	mg/L	0.010	3/8/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	3/8/2013
Boron	EPA 200.7	0.054	mg/L	0.020	3/8/2013
Calcium	EPA 200.7	6.8	mg/L	0.50	3/8/2013

Customer Sample ID: 63301 4 Mar 13

Collect Date/Time: 3/4/2013 12:15

WETLAB Sample ID: 1303031-001

Receive Date: 3/4/2013 12:15

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cobalt	EPA 200.7	0.0023	mg/L	0.0020	3/8/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	3/8/2013
Iron	EPA 200.7	1.7	mg/L	0.010	3/8/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	3/8/2013
Magnesium	EPA 200.7	0.54	mg/L	0.25	3/8/2013
Manganese	EPA 200.7	0.053	mg/L	0.0050	3/8/2013
Molybdenum	EPA 200.7	0.011	mg/L	0.0050	3/8/2013
Phosphorus	EPA 200.7	1.0	mg/L	0.10	3/8/2013
Potassium	EPA 200.7	3.2	mg/L	0.50	3/8/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	3/8/2013
Silicon	EPA 200.7	24	mg/L	0.10	3/8/2013
Sodium	EPA 200.7	170	mg/L	0.50	3/8/2013
Strontium	EPA 200.7	0.090	mg/L	0.0020	3/8/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	3/8/2013
Titanium	EPA 200.7	0.046	mg/L	0.0050	3/8/2013
Vanadium	EPA 200.7	0.030	mg/L	0.010	3/8/2013
Zinc	EPA 200.7	0.034	mg/L	0.010	3/8/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	3/11/2013
Antimony	EPA 200.8	0.57	mg/L	0.025	3/11/2013
Arsenic	EPA 200.8	4.2	mg/L	0.050	3/11/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/11/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/11/2013
Chromium	EPA 200.8	0.0014	mg/L	0.0010	3/11/2013
Copper	EPA 200.8	0.019	mg/L	0.0050	3/11/2013
Lead	EPA 200.8	0.27	mg/L	0.025	3/11/2013
Nickel	EPA 200.8	0.0037	mg/L	0.0010	3/11/2013
Selenium	EPA 200.8	0.014	mg/L	0.0020	3/8/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/11/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	3/8/2013
Uranium	EPA 200.8	0.073	mg/L	0.0050	3/8/2013
Anions	Calculation	8.77	meq/L	0.10	
Cations	Calculation	8.30	meq/L	0.10	
Error	Calculation	2.7	%	1.0	

Customer Sample ID: 63316 4 Mar 13

Collect Date/Time: 3/4/2013 12:15

WETLAB Sample ID: 1303031-002

Receive Date: 3/4/2013 12:15

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	1.1	mg/L	0.20	3/8/2013
Cyanate	SM 4500 CNL	3.5	mg/L	0.10	3/8/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	3/6/2013
pH	SM 4500-H+ B	8.67	pH Units		3/4/2013
Trace Metals Digestion	EPA 200.2	Complete			3/7/2013
Acidity (Titrimetric)	SM 2310B	-49	mg/L as CaCO3		3/6/2013
Bicarbonate (HCO3)	SM 2320B	460	mg/L	1.0	3/4/2013
Carbonate (CO3)	SM 2320B	18	mg/L	1.0	3/4/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	3/4/2013
Total Alkalinity	SM 2320B	410	mg/L as CaCO3	1.0	3/4/2013
Redox Potential	SM 2580B	34	mV		3/5/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	3/6/2013
Fluoride	EPA 300.0	1.1	mg/L	0.10	3/6/2013
Sulfate	EPA 300.0	120	mg/L	1.0	3/6/2013
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/5/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/5/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.62	mg/L	0.10	3/6/2013
Total Nitrogen	Calc.	0.62	mg/L	0.070	3/6/2013
Total Cyanide	SM 4500CNC	0.067	mg/L	0.010	3/5/2013
Total Dissolved Solids (TDS)	SM 2540C	650	mg/L	10	3/5/2013
WAD Cyanide	SM 4500CNI	0.012	mg/L	0.010	3/5/2013
Electrical Conductivity	SM 2510B	1000	µmhos/cm	1	3/4/2013
Aluminum	EPA 200.7	2.4	mg/L	0.045	3/8/2013
Barium	EPA 200.7	0.024	mg/L	0.010	3/8/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	3/8/2013
Boron	EPA 200.7	0.034	mg/L	0.020	3/8/2013
Calcium	EPA 200.7	6.0	mg/L	0.50	3/8/2013
Cobalt	EPA 200.7	<0.0020	mg/L	0.0020	3/8/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	3/8/2013
Iron	EPA 200.7	1.5	mg/L	0.010	3/8/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	3/8/2013
Magnesium	EPA 200.7	0.45	mg/L	0.25	3/8/2013
Manganese	EPA 200.7	0.038	mg/L	0.0050	3/8/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	3/8/2013
Phosphorus	EPA 200.7	0.53	mg/L	0.10	3/8/2013
Potassium	EPA 200.7	3.8	mg/L	0.50	3/8/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	3/8/2013
Silicon	EPA 200.7	20	mg/L	0.10	3/8/2013

Customer Sample ID: 63316 4 Mar 13

Collect Date/Time: 3/4/2013 12:15

WETLAB Sample ID: 1303031-002

Receive Date: 3/4/2013 12:15

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Sodium	EPA 200.7	220	mg/L	0.50	3/8/2013
Strontium	EPA 200.7	0.073	mg/L	0.0020	3/8/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	3/8/2013
Titanium	EPA 200.7	0.044	mg/L	0.0050	3/8/2013
Vanadium	EPA 200.7	0.020	mg/L	0.010	3/8/2013
Zinc	EPA 200.7	0.040	mg/L	0.010	3/8/2013
Mercury	EPA 200.8	0.00021	mg/L	0.00010	3/8/2013
Antimony	EPA 200.8	0.59	mg/L	0.025	3/11/2013
Arsenic	EPA 200.8	3.2	mg/L	0.050	3/11/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/11/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/11/2013
Chromium	EPA 200.8	0.0018	mg/L	0.0010	3/11/2013
Copper	EPA 200.8	0.044	mg/L	0.0050	3/11/2013
Lead	EPA 200.8	0.23	mg/L	0.025	3/11/2013
Nickel	EPA 200.8	0.0038	mg/L	0.0010	3/11/2013
Selenium	EPA 200.8	0.0098	mg/L	0.0020	3/8/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/11/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	3/8/2013
Uranium	EPA 200.8	0.074	mg/L	0.0050	3/8/2013
Anions	Calculation	10.7	meq/L	0.10	
Cations	Calculation	10.3	meq/L	0.10	
Error	Calculation	1.8	%	1.0	

Customer Sample ID: 63322 4 Mar 13

Collect Date/Time: 3/4/2013 12:15

WETLAB Sample ID: 1303031-003

Receive Date: 3/4/2013 12:15

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	2.7	mg/L	0.10	3/8/2013
Thiocyanate	SM 4500 CNM	0.81	mg/L	0.20	3/8/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	3/6/2013
pH	SM 4500-H+ B	8.63	pH Units		3/4/2013
Trace Metals Digestion	EPA 200.2	Complete			3/7/2013
Acidity (Titrimetric)	SM 2310B	-37	mg/L as CaCO3		3/6/2013
Bicarbonate (HCO3)	SM 2320B	580	mg/L	1.0	3/4/2013
Carbonate (CO3)	SM 2320B	19	mg/L	1.0	3/4/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	3/4/2013
Total Alkalinity	SM 2320B	500	mg/L as CaCO3	1.0	3/4/2013
Redox Potential	SM 2580B	24	mV		3/5/2013

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Customer Sample ID: 63322 4 Mar 13

Collect Date/Time: 3/4/2013 12:15

WETLAB Sample ID: 1303031-003

Receive Date: 3/4/2013 12:15

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chloride	EPA 300.0	<0.10	mg/L	0.10	3/6/2013
Fluoride	EPA 300.0	0.72	mg/L	0.10	3/6/2013
Sulfate	EPA 300.0	24	mg/L	1.0	3/6/2013
Nitrate Nitrogen	EPA 300.0	0.017	mg/L	0.010	3/5/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/5/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.47	mg/L	0.10	3/6/2013
Total Nitrogen	Calc.	0.49	mg/L	0.070	3/6/2013
Total Cyanide	SM 4500CNC	0.038	mg/L	0.010	3/5/2013
Total Dissolved Solids (TDS)	SM 2540C	620	mg/L	10	3/5/2013
WAD Cyanide	SM 4500CNI	0.030	mg/L	0.010	3/5/2013
Electrical Conductivity	SM 2510B	960	µmhos/cm	1	3/4/2013
Aluminum	EPA 200.7	1.8	mg/L	0.045	3/8/2013
Barium	EPA 200.7	0.023	mg/L	0.010	3/8/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	3/8/2013
Boron	EPA 200.7	0.076	mg/L	0.020	3/8/2013
Calcium	EPA 200.7	5.0	mg/L	0.50	3/8/2013
Cobalt	EPA 200.7	0.0028	mg/L	0.0020	3/8/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	3/8/2013
Iron	EPA 200.7	1.1	mg/L	0.010	3/8/2013
Lithium	EPA 200.7	0.046	mg/L	0.020	3/8/2013
Magnesium	EPA 200.7	0.60	mg/L	0.25	3/8/2013
Manganese	EPA 200.7	0.032	mg/L	0.0050	3/8/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	3/8/2013
Phosphorus	EPA 200.7	0.42	mg/L	0.10	3/8/2013
Potassium	EPA 200.7	3.1	mg/L	0.50	3/8/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	3/8/2013
Silicon	EPA 200.7	18	mg/L	0.10	3/8/2013
Sodium	EPA 200.7	210	mg/L	0.50	3/8/2013
Strontium	EPA 200.7	0.069	mg/L	0.0020	3/8/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	3/8/2013
Titanium	EPA 200.7	0.070	mg/L	0.0050	3/8/2013
Vanadium	EPA 200.7	0.015	mg/L	0.010	3/8/2013
Zinc	EPA 200.7	0.036	mg/L	0.010	3/8/2013
Mercury	EPA 200.8	0.00010	mg/L	0.00010	3/11/2013
Antimony	EPA 200.8	0.26	mg/L	0.025	3/11/2013
Arsenic	EPA 200.8	2.3	mg/L	0.050	3/11/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/11/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/11/2013

Customer Sample ID: 63322 4 Mar 13**Collect Date/Time:** 3/4/2013 12:15**WETLAB Sample ID:** 1303031-003**Receive Date:** 3/4/2013 12:15

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Chromium	EPA 200.8	0.0025	mg/L	0.0010	3/11/2013
Copper	EPA 200.8	0.075	mg/L	0.0050	3/11/2013
Lead	EPA 200.8	0.21	mg/L	0.025	3/11/2013
Nickel	EPA 200.8	0.0032	mg/L	0.0010	3/11/2013
Selenium	EPA 200.8	<0.0020	mg/L	0.0020	3/11/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/11/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	3/11/2013
Uranium	EPA 200.8	0.042	mg/L	0.0050	3/11/2013
Anions	Calculation	10.7	meq/L	0.10	
Cations	Calculation	9.78	meq/L	0.10	
Error	Calculation	4.4	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13030083	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13030124	Blank 1	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030124	Blank 2	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030124	Blank 3	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030125	Blank 1	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13030125	Blank 2	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13030141	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13030141	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13030141	Blank 3	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13030142	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13030142	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13030142	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13030152	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030152	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030152	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030152	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030187	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13030187	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13030187	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13030207	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13030207	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13030207	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13030210	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13030210	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13030210	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13030215	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13030215	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13030215	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13030224	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13030224	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13030224	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13030246	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.100	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.0100	mg/L
		Gallium	EPA 200.7	<0.100	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.100	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.0100	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.1000	mg/L
		Tin	EPA 200.7	<0.100	mg/L
		Titanium	EPA 200.7	<0.1000	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13030271	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030271	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030272	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13030272	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13030277	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Beryllium	EPA 200.8	<0.00100	mg/L
		Cadmium	EPA 200.8	<0.00100	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.0100	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.00100	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13030083	LCS 1	Electrical Conductivity	SM 2510B	1447	1412	102	µmhos/cm
QC13030093	LCS 1	pH	SM 4500-H+ B	7.06	7.00	101	pH Units
QC13030093	LCS 2	pH	SM 4500-H+ B	7.04	7.00	101	pH Units
QC13030093	LCS 3	pH	SM 4500-H+ B	7.06	7.00	101	pH Units
QC13030095	LCS 1	Total Alkalinity	SM 2320B	99.5	100	100	mg/L
QC13030095	LCS 2	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC13030095	LCS 3	Total Alkalinity	SM 2320B	99.5	100	99	mg/L
QC13030095	LCS 4	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13030124	LCS 1	WAD Cyanide	SM 4500CNI	0.099	0.100	99	mg/L
QC13030125	LCS 1	Total Cyanide	SM 4500CNC	0.101	0.100	101	mg/L
QC13030141	LCS 1	Nitrite Nitrogen	EPA 300.0	0.233	0.250	93	mg/L
QC13030142	LCS 1	Nitrate Nitrogen	EPA 300.0	0.230	0.250	92	mg/L
QC13030152	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.744	0.690	108	mg/L
QC13030152	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.725	0.690	105	mg/L
QC13030166	LCS 1	Redox Potential	SM 2580B	218	221	99	mV
QC13030166	LCS 2	Redox Potential	SM 2580B		221		mV
QC13030187	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.862	1.00	86	mg/L
QC13030207	LCS 1	Fluoride	EPA 300.0	1.83	2.00	91	mg/L
QC13030210	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC13030215	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC13030224	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	141	150	94	mg/L
QC13030224	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L
QC13030224	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	161	150	108	mg/L
QC13030246	LCS 1	Aluminum	EPA 200.7	0.966	1.00	97	mg/L
		Barium	EPA 200.7	0.972	1.00	97	mg/L
		Bismuth	EPA 200.7	1.02	1.00	102	mg/L
		Boron	EPA 200.7	0.982	1.00	98	mg/L
		Calcium	EPA 200.7	9.97	10.0	100	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Cobalt	EPA 200.7	0.991	1.00	99	mg/L	
		Gallium	EPA 200.7	0.966	1.00	97	mg/L	
		Iron	EPA 200.7	0.984	1.00	98	mg/L	
		Lithium	EPA 200.7	0.985	1.00	98	mg/L	
		Magnesium	EPA 200.7	9.68	10.0	97	mg/L	
		Manganese	EPA 200.7	0.993	1.00	99	mg/L	
		Molybdenum	EPA 200.7	0.958	1.00	96	mg/L	
		Phosphorus	EPA 200.7	4.98	5.00	100	mg/L	
		Potassium	EPA 200.7	9.74	10.0	97	mg/L	
		Scandium	EPA 200.7	0.974	1.00	97	mg/L	
		Silicon	EPA 200.7	9.67	10.0	97	mg/L	
		Sodium	EPA 200.7	10.1	10.0	101	mg/L	
		Strontium	EPA 200.7	1.01	1.00	101	mg/L	
		Tin	EPA 200.7	0.982	1.00	98	mg/L	
		Titanium	EPA 200.7	0.986	1.00	99	mg/L	
		Vanadium	EPA 200.7	0.969	1.00	97	mg/L	
		Zinc	EPA 200.7	1.01	1.00	101	mg/L	
QC13030271	LCS 1	Cyanate	SM 4500 CNL	0.991	1.00	99	mg/L	
QC13030277	LCS 1	Mercury	EPA 200.8	0.000961	0.001	96	mg/L	
		Antimony	EPA 200.8	0.0096	0.010	96	mg/L	
		Arsenic	EPA 200.8	0.0523	0.050	105	mg/L	
		Beryllium	EPA 200.8	0.0098	0.010	98	mg/L	
		Cadmium	EPA 200.8	0.0101	0.010	101	mg/L	
		Chromium	EPA 200.8	0.0097	0.010	97	mg/L	
		Copper	EPA 200.8	0.0101	0.010	101	mg/L	
		Lead	EPA 200.8	0.0102	0.010	102	mg/L	
		Nickel	EPA 200.8	<0.0100	0.010	99	mg/L	
		Selenium	EPA 200.8	0.0488	0.050	98	mg/L	
		Silver	EPA 200.8	0.0099	0.010	99	mg/L	
		Thallium	EPA 200.8	0.0103	0.010	103	mg/L	
		Uranium	EPA 200.8	0.0101	0.010	101	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13030083	Duplicate	Electrical Conductivity	SM 2510B	1303031-001	833	829	μmhos/cm	<1%
QC13030093	Duplicate	pH	SM 4500-H+ B	1303024-001	8.18	8.18	pH Units	<1%
QC13030093	Duplicate	pH	SM 4500-H+ B	1303031-001	8.56	8.58	pH Units	<1%
QC13030093	Duplicate	pH	SM 4500-H+ B	1303031-002	8.67	8.68	pH Units	<1%
QC13030093	Duplicate	pH	SM 4500-H+ B	1303031-003	8.63	8.65	pH Units	<1%
QC13030093	Duplicate	pH	SM 4500-H+ B	1303039-014	2.37	2.36	pH Units	<1%
QC13030093	Duplicate	pH	SM 4500-H+ B	1303039-020	7.22	7.05	pH Units	2 %
QC13030095	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303024-001	85.5	85.3	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1303024-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1303024-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303024-001	70.1	70.0	mg/L as CaCO3	<1%
QC13030095	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303031-001	415	413	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1303031-001	11.1	11.4	mg/L	3 %
		Hydroxide (OH)	SM 2320B	1303031-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303031-001	359	358	mg/L as CaCO3	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13030095	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303031-002	461	461	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1303031-002	18.0	18.7	mg/L	4 %
		Hydroxide (OH)	SM 2320B	1303031-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303031-002	408	409	mg/L as CaCO3	<1%
QC13030095	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303031-003	576	581	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1303031-003	18.7	19.5	mg/L	4 %
		Hydroxide (OH)	SM 2320B	1303031-003	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303031-003	503	509	mg/L as CaCO3	1 %
QC13030095	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303039-016	39.7	55.8	Q mg/L	34 %
		Carbonate (CO3)	SM 2320B	1303039-016	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1303039-016	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303039-016	32.6	45.8	Q mg/L as CaCO3	34 %
QC13030095	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303039-020	44.9	43.9	mg/L	2 %
		Carbonate (CO3)	SM 2320B	1303039-020	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1303039-020	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303039-020	36.8	36.0	mg/L as CaCO3	2 %
QC13030166	Duplicate	Redox Potential	SM 2580B	1303038-002	140	136	mV	3 %
QC13030166	Duplicate	Redox Potential	SM 2580B	1303038-011	401	400	mV	<1%
QC13030224	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302425-001	75.0	72.0	mg/L	4 %
QC13030224	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302428-003	28.0	30.0	mg/L	7 %
QC13030224	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1302458-004	14.0	16.0	mg/L	13 %
QC13030224	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303021-002	1056	1066	mg/L	1 %
QC13030224	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303031-002	653	645	mg/L	1 %
QC13030224	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303038-009	<10.00	<10.00	mg/L	<1%
QC13030271	Duplicate	Cyanate	SM 4500 CNL	1303048-004	136	136	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13030124	MS 1	WAD Cyanide	SM 4500CNI	1303042-002	<0.050	0.102	0.099	0.100	mg/L	102	99	3 %
QC13030124	MS 2	WAD Cyanide	SM 4500CNI	1303038-016	<0.050	0.103	0.099	0.100	mg/L	103	99	4 %
QC13030125	MS 1	Total Cyanide	SM 4500CNC	1303031-001	0.306	SC 0.419	0.384	0.100	mg/L	NC	NC	NC
QC13030141	MS 1	Nitrite Nitrogen	EPA 300.0	1303045-002	<0.010	0.115	0.100	0.125	mg/L	92	80	14 %
QC13030141	MS 2	Nitrite Nitrogen	EPA 300.0	1303046-005	<0.010	0.109	0.126	0.125	mg/L	87	101	14 %
QC13030142	MS 1	Nitrate Nitrogen	EPA 300.0	1303045-002	0.017	0.495	0.516	0.500	mg/L	96	100	4 %
QC13030142	MS 2	Nitrate Nitrogen	EPA 300.0	1303046-005	0.020	0.507	0.524	0.500	mg/L	98	101	3 %
QC13030152	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1303021-006	<0.100	M 1.03	1.13	0.690	mg/L	NC	NC	NC
QC13030152	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1303007-002	1.15	M 1.73	1.74	0.690	mg/L	NC	NC	NC
QC13030152	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1303031-003	0.473	1.14	1.16	0.690	mg/L	97	99	2 %
QC13030187	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1303064-002	0.361	M 0.890	0.922	1.00	mg/L	NC	NC	NC
QC13030187	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1303068-002	<0.050	0.900	0.987	1.00	mg/L	90	99	9 %
QC13030207	MS 1	Fluoride	EPA 300.0	1303050-001	<0.100	1.87	1.86	2.00	mg/L	93	93	1 %
QC13030207	MS 2	Fluoride	EPA 300.0	1303071-006	<0.100	1.87	1.95	2.00	mg/L	91	95	4 %
QC13030210	MS 1	Chloride	EPA 300.0	1303050-001	2.59	7.86	7.97	5.00	mg/L	105	108	1 %
QC13030210	MS 2	Chloride	EPA 300.0	1303071-006	<1.000	5.20	5.35	5.00	mg/L	103	106	3 %
QC13030215	MS 1	Sulfate	EPA 300.0	1303050-001	<1.000	10.5	10.6	10.0	mg/L	101	103	1 %
QC13030215	MS 2	Sulfate	EPA 300.0	1303071-006	11.0	20.9	21.2	10.0	mg/L	99	102	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13030246	MS 1	Aluminum	EPA 200.7	1302484-003	2.05	M 9.84	10.1	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1302484-003	0.012	0.987	0.984	1.00	mg/L	98	97	<1%
		Bismuth	EPA 200.7	1302484-003	<0.100	0.988	0.987	1.00	mg/L	98	98	<1%
		Boron	EPA 200.7	1302484-003	0.201	1.22	1.23	1.00	mg/L	102	103	1 %
		Calcium	EPA 200.7	1302484-003	4.06	13.6	13.7	10.0	mg/L	95	96	1 %
		Cobalt	EPA 200.7	1302484-003	<0.010	0.993	0.988	1.00	mg/L	99	99	1 %
		Gallium	EPA 200.7	1302484-003	<0.100	0.935	0.936	1.00	mg/L	93	93	<1%
		Iron	EPA 200.7	1302484-003	1.31	M 2.96	3.00	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1302484-003	<0.100	0.931	0.934	1.00	mg/L	93	93	<1%
		Magnesium	EPA 200.7	1302484-003	0.538	10.6	10.6	10.0	mg/L	101	101	<1%
		Manganese	EPA 200.7	1302484-003	0.010	1.02	1.02	1.00	mg/L	101	101	<1%
		Molybdenum	EPA 200.7	1302484-003	<0.010	0.954	0.954	1.00	mg/L	95	95	<1%
		Phosphorus	EPA 200.7	1302484-003	0.914	6.02	6.01	5.00	mg/L	102	102	<1%
		Potassium	EPA 200.7	1302484-003	3.13	15.4	15.7	10.0	mg/L	123	126	2 %
		Scandium	EPA 200.7	1302484-003	<0.100	0.973	0.969	1.00	mg/L	97	97	<1%
		Silicon	EPA 200.7	1302484-003	51.3	SC 71.9	74.5	10.0	mg/L	NC	NC	NC
		Sodium	EPA 200.7	1302484-003	188	197	202	10.0	mg/L	90	140	3 %
		Strontium	EPA 200.7	1302484-003	<0.100	1.00	1.00	1.00	mg/L	96	96	<1%
		Tin	EPA 200.7	1302484-003	<0.100	0.997	0.992	1.00	mg/L	100	100	1 %
		Titanium	EPA 200.7	1302484-003	<0.100	1.01	1.01	1.00	mg/L	100	100	<1%
		Vanadium	EPA 200.7	1302484-003	0.060	1.04	1.04	1.00	mg/L	98	98	<1%
		Zinc	EPA 200.7	1302484-003	0.046	1.07	1.06	1.00	mg/L	102	101	1 %
QC13030272	MS 1	Thiocyanate	SM 4500 CN	1303048-004	10.0	12.0	12.0	0.500	mg/L	99	98	<1%
QC13030277	MS 1	Mercury	EPA 200.8	1302484-003	0.016900	0.018000	0.017700	0.001	mg/L	110	80	2 %
		Antimony	EPA 200.8	1302484-003	0.0033	0.0114	0.0115	0.010	mg/L	82	82	1 %
		Arsenic	EPA 200.8	1302484-003	0.4048	0.4524	0.4571	0.050	mg/L	95	105	1 %
		Beryllium	EPA 200.8	1302484-003	<0.0010	0.0095	0.0092	0.010	mg/L	91	88	3 %
		Cadmium	EPA 200.8	1302484-003	<0.0010	0.0086	0.0085	0.010	mg/L	86	85	1 %
		Chromium	EPA 200.8	1302484-003	<0.0050	0.0103	0.0100	0.010	mg/L	93	90	3 %
		Copper	EPA 200.8	1302484-003	0.0487	0.0662	0.0727	0.010	mg/L	175	240	9 %
		Lead	EPA 200.8	1302484-003	0.0081	0.0172	0.0173	0.010	mg/L	91	92	1 %
		Nickel	EPA 200.8	1302484-003	<0.0100	0.0171	0.0171	0.010	mg/L	94	94	<1%
		Selenium	EPA 200.8	1302484-003	<0.0050	0.0430	0.0434	0.050	mg/L	86	86	1 %
		Silver	EPA 200.8	1302484-003	<0.0050	0.0106	0.0106	0.010	mg/L	90	90	<1%
		Thallium	EPA 200.8	1302484-003	<0.0010	0.0094	0.0093	0.010	mg/L	92	90	1 %
		Uranium	EPA 200.8	1302484-003	<0.0050	0.0122	0.0122	0.010	mg/L	98	98	<1%

3/27/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1303185

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 3/11/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1303185

General Comments

None

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:

1303185-001 Mercury, Cyanate

1303185-002 Mercury, Cyanate

1303185-003 Mercury, Cyanate

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 3/27/2013

OrderID: 1303185

Customer Sample ID: 63301 11 Mar 13

Collect Date/Time: 3/11/2013 09:00

WETLAB Sample ID: 1303185-001

Receive Date: 3/11/2013 12:35

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	1.0	mg/L	0.20	3/13/2013
Cyanate	SM 4500 CNL	<0.15	mg/L	0.15	3/15/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	3/15/2013
pH	SM 4500-H+ B	8.58	pH Units		3/11/2013
Trace Metals Digestion	EPA 200.2	Complete			3/14/2013
Bicarbonate (HCO3)	SM 2320B	400	mg/L	1.0	3/11/2013
Carbonate (CO3)	SM 2320B	13	mg/L	1.0	3/11/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	3/11/2013
Total Alkalinity	SM 2320B	350	mg/L as CaCO3	1.0	3/11/2013
Redox Potential	SM 2580B	-23	mV		3/11/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	3/12/2013
Fluoride	EPA 300.0	1.0	mg/L	0.10	3/12/2013
Sulfate	EPA 300.0	74	mg/L	1.0	3/12/2013
Nitrate Nitrogen	EPA 300.0	0.20	mg/L	0.010	3/12/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/12/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.66	mg/L	0.20	3/22/2013
Total Nitrogen	Calc.	0.85	mg/L	0.070	3/22/2013
Total Cyanide	SM 4500CNC	0.32	mg/L	0.050	3/13/2013
Total Dissolved Solids (TDS)	SM 2540C	540	mg/L	10	3/12/2013
WAD Cyanide	SM 4500CNI	0.053	mg/L	0.010	3/13/2013
Electrical Conductivity	SM 2510B	790	µmhos/cm	1	3/14/2013
Aluminum	EPA 200.7	3.4	mg/L	0.045	3/19/2013
Barium	EPA 200.7	0.038	mg/L	0.010	3/19/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	3/19/2013
Boron	EPA 200.7	0.042	mg/L	0.020	3/19/2013
Calcium	EPA 200.7	7.3	mg/L	0.50	3/19/2013
Cobalt	EPA 200.7	0.0024	mg/L	0.0020	3/19/2013

Customer Sample ID: 63301 11 Mar 13

Collect Date/Time: 3/11/2013 09:00

WETLAB Sample ID: 1303185-001

Receive Date: 3/11/2013 12:35

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Gallium	EPA 200.7	<0.020	mg/L	0.020	3/19/2013
Iron	EPA 200.7	1.8	mg/L	0.010	3/19/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	3/19/2013
Magnesium	EPA 200.7	0.57	mg/L	0.25	3/19/2013
Manganese	EPA 200.7	0.052	mg/L	0.0050	3/19/2013
Molybdenum	EPA 200.7	0.0096	mg/L	0.0050	3/19/2013
Phosphorus	EPA 200.7	0.88	mg/L	0.50	3/19/2013
Potassium	EPA 200.7	3.8	mg/L	0.50	3/19/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	3/19/2013
Silicon	EPA 200.7	24	mg/L	0.10	3/19/2013
Sodium	EPA 200.7	180	mg/L	0.50	3/19/2013
Strontium	EPA 200.7	0.095	mg/L	0.0020	3/19/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	3/19/2013
Titanium	EPA 200.7	0.059	mg/L	0.0050	3/19/2013
Vanadium	EPA 200.7	0.034	mg/L	0.010	3/19/2013
Zinc	EPA 200.7	0.034	mg/L	0.010	3/19/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	3/15/2013
Antimony	EPA 200.8	0.52	mg/L	0.025	3/15/2013
Arsenic	EPA 200.8	3.8	mg/L	0.050	3/15/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/15/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/15/2013
Chromium	EPA 200.8	0.0019	mg/L	0.0010	3/15/2013
Copper	EPA 200.8	0.0093	mg/L	0.0050	3/15/2013
Lead	EPA 200.8	0.28	mg/L	0.025	3/15/2013
Nickel	EPA 200.8	0.0038	mg/L	0.0010	3/15/2013
Selenium	EPA 200.8	0.013	mg/L	0.0050	3/14/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/15/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	3/14/2013
Uranium	EPA 200.8	0.068	mg/L	0.0050	3/14/2013
Anions	Calculation	8.60	meq/L	0.10	
Cations	Calculation	8.62	meq/L	0.10	
Error	Calculation	<1.0	%	1.0	

Customer Sample ID: 63316 11 Mar 13

Collect Date/Time: 3/11/2013 09:00

WETLAB Sample ID: 1303185-002

Receive Date: 3/11/2013 12:35

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.78	mg/L	0.20	3/13/2013

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Customer Sample ID: 63316 11 Mar 13

Collect Date/Time: 3/11/2013 09:00

WETLAB Sample ID: 1303185-002

Receive Date: 3/11/2013 12:35

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	<0.15	mg/L	0.15	3/15/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	3/15/2013
pH	SM 4500-H+ B	8.73	pH Units		3/11/2013
Trace Metals Digestion	EPA 200.2	Complete			3/14/2013
Bicarbonate (HCO3)	SM 2320B	430	mg/L	1.0	3/11/2013
Carbonate (CO3)	SM 2320B	22	mg/L	1.0	3/11/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	3/11/2013
Total Alkalinity	SM 2320B	390	mg/L as CaCO3	1.0	3/11/2013
Redox Potential	SM 2580B	-69	mV		3/11/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	3/12/2013
Fluoride	EPA 300.0	1.1	mg/L	0.10	3/12/2013
Sulfate	EPA 300.0	110	mg/L	1.0	3/12/2013
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/12/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/12/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.40	mg/L	0.20	3/22/2013
Total Nitrogen	Calc.	0.40	mg/L	0.20	3/22/2013
Total Cyanide	SM 4500CNC	0.064	mg/L	0.010	3/13/2013
Total Dissolved Solids (TDS)	SM 2540C	620	mg/L	10	3/12/2013
WAD Cyanide	SM 4500CNI	0.016	mg/L	0.010	3/13/2013
Electrical Conductivity	SM 2510B	950	µmhos/cm	1	3/14/2013
Aluminum	EPA 200.7	1.9	mg/L	0.045	3/19/2013
Barium	EPA 200.7	0.024	mg/L	0.010	3/19/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	3/19/2013
Boron	EPA 200.7	0.028	mg/L	0.020	3/19/2013
Calcium	EPA 200.7	5.2	mg/L	0.50	3/19/2013
Cobalt	EPA 200.7	<0.0020	mg/L	0.0020	3/19/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	3/19/2013
Iron	EPA 200.7	1.3	mg/L	0.010	3/19/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	3/19/2013
Magnesium	EPA 200.7	0.36	mg/L	0.25	3/19/2013
Manganese	EPA 200.7	0.031	mg/L	0.0050	3/19/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	3/19/2013
Phosphorus	EPA 200.7	0.53	mg/L	0.50	3/19/2013
Potassium	EPA 200.7	3.4	mg/L	0.50	3/19/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	3/19/2013
Silicon	EPA 200.7	18	mg/L	0.10	3/19/2013
Sodium	EPA 200.7	200	mg/L	0.50	3/19/2013
Strontium	EPA 200.7	0.063	mg/L	0.0020	3/19/2013

Customer Sample ID: 63316 11 Mar 13

Collect Date/Time: 3/11/2013 09:00

WETLAB Sample ID: 1303185-002

Receive Date: 3/11/2013 12:35

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Tin	EPA 200.7	<0.010	mg/L	0.010	3/19/2013
Titanium	EPA 200.7	0.037	mg/L	0.0050	3/19/2013
Vanadium	EPA 200.7	0.023	mg/L	0.010	3/19/2013
Zinc	EPA 200.7	0.034	mg/L	0.010	3/19/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	3/15/2013
Antimony	EPA 200.8	0.51	mg/L	0.025	3/15/2013
Arsenic	EPA 200.8	2.9	mg/L	0.050	3/15/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/15/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/15/2013
Chromium	EPA 200.8	0.0016	mg/L	0.0010	3/15/2013
Copper	EPA 200.8	0.024	mg/L	0.0050	3/15/2013
Lead	EPA 200.8	0.21	mg/L	0.025	3/15/2013
Nickel	EPA 200.8	0.0034	mg/L	0.0010	3/15/2013
Selenium	EPA 200.8	0.011	mg/L	0.0050	3/14/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/15/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	3/14/2013
Uranium	EPA 200.8	0.067	mg/L	0.0050	3/14/2013
Anions	Calculation	10.1	meq/L	0.10	
Cations	Calculation	8.90	meq/L	0.10	
Error	Calculation	6.5	%	1.0	

Customer Sample ID: 63322 11 Mar 13

Collect Date/Time: 3/11/2013 09:00

WETLAB Sample ID: 1303185-003

Receive Date: 3/11/2013 12:35

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	1.7	mg/L	0.20	3/13/2013
Cyanate	SM 4500 CNL	<0.15	mg/L	0.15	3/15/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.18	mg/L	0.050	3/15/2013
pH	SM 4500-H+ B	9.11	pH Units		3/11/2013
Trace Metals Digestion	EPA 200.2	Complete			3/14/2013
Bicarbonate (HCO3)	SM 2320B	750	mg/L	1.0	3/11/2013
Carbonate (CO3)	SM 2320B	94	mg/L	1.0	3/11/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	3/11/2013
Total Alkalinity	SM 2320B	770	mg/L as CaCO3	1.0	3/11/2013
Redox Potential	SM 2580B	-91	mV		3/11/2013
Chloride	EPA 300.0	17	mg/L	0.10	3/12/2013
Fluoride	EPA 300.0	1.5	mg/L	0.10	3/12/2013
Sulfate	EPA 300.0	73	mg/L	1.0	3/12/2013

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Customer Sample ID: 63322 11 Mar 13

Collect Date/Time: 3/11/2013 09:00

WETLAB Sample ID: 1303185-003

Receive Date: 3/11/2013 12:35

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrate Nitrogen	EPA 300.0	0.28	mg/L	0.010	3/12/2013
Nitrite Nitrogen	EPA 300.0	8.0	mg/L	0.10	3/12/2013
Total Kjeldahl Nitrogen	EPA 351.2	2.3	mg/L	0.40	3/22/2013
Total Nitrogen	Calc.	11	mg/L	0.20	3/22/2013
Total Cyanide	SM 4500CNC	0.60	mg/L	0.050	3/13/2013
Total Dissolved Solids (TDS)	SM 2540C	1100	mg/L	10	3/12/2013
WAD Cyanide	SM 4500CNI	0.48	SC mg/L	0.050	3/13/2013
Electrical Conductivity	SM 2510B	1700	µmhos/cm	1	3/14/2013
Aluminum	EPA 200.7	1.6	mg/L	0.045	3/19/2013
Barium	EPA 200.7	0.030	mg/L	0.010	3/19/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	3/19/2013
Boron	EPA 200.7	0.17	mg/L	0.020	3/19/2013
Calcium	EPA 200.7	5.8	mg/L	0.50	3/19/2013
Cobalt	EPA 200.7	0.013	mg/L	0.0020	3/19/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	3/19/2013
Iron	EPA 200.7	1.3	mg/L	0.010	3/19/2013
Lithium	EPA 200.7	0.090	mg/L	0.020	3/19/2013
Magnesium	EPA 200.7	2.6	mg/L	0.25	3/19/2013
Manganese	EPA 200.7	0.035	mg/L	0.0050	3/19/2013
Molybdenum	EPA 200.7	0.0082	mg/L	0.0050	3/19/2013
Phosphorus	EPA 200.7	0.70	mg/L	0.50	3/19/2013
Potassium	EPA 200.7	5.7	mg/L	0.50	3/19/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	3/19/2013
Silicon	EPA 200.7	19	mg/L	0.10	3/19/2013
Sodium	EPA 200.7	370	mg/L	0.50	3/19/2013
Strontium	EPA 200.7	0.077	mg/L	0.0020	3/19/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	3/19/2013
Titanium	EPA 200.7	0.071	mg/L	0.0050	3/19/2013
Vanadium	EPA 200.7	0.034	mg/L	0.010	3/19/2013
Zinc	EPA 200.7	0.10	mg/L	0.010	3/19/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	3/15/2013
Antimony	EPA 200.8	0.37	mg/L	0.025	3/15/2013
Arsenic	EPA 200.8	4.2	mg/L	0.050	3/15/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/15/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/15/2013
Chromium	EPA 200.8	0.012	mg/L	0.0010	3/15/2013
Copper	EPA 200.8	0.37	mg/L	0.050	3/15/2013
Lead	EPA 200.8	0.22	mg/L	0.025	3/15/2013

Customer Sample ID: 63322 11 Mar 13**Collect Date/Time:** 3/11/2013 09:00**WETLAB Sample ID:** 1303185-003**Receive Date:** 3/11/2013 12:35

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nickel	EPA 200.8	0.15	mg/L	0.0100	3/15/2013
Selenium	EPA 200.8	0.014	mg/L	0.0050	3/14/2013
Silver	EPA 200.8	0.0023	mg/L	0.0015	3/15/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	3/14/2013
Uranium	EPA 200.8	0.082	mg/L	0.0050	3/14/2013
Anions	Calculation	17.5	meq/L	0.10	
Cations	Calculation	15.9	meq/L	0.10	
Error	Calculation	4.9	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13030387	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13030387	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13030388	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13030388	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13030398	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13030398	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13030398	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13030401	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13030401	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13030401	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13030405	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13030405	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13030405	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13030420	Blank 1	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030420	Blank 2	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030420	Blank 3	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030421	Blank 1	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13030421	Blank 2	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13030422	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13030422	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13030457	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13030478	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13030478	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13030478	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13030487	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Beryllium	EPA 200.8	<0.00100	mg/L
		Cadmium	EPA 200.8	<0.00100	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.0100	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.00100	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC13030520	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13030520	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13030520	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13030530	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030530	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030570	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.100	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Cobalt	EPA 200.7	<0.0100	mg/L
		Gallium	EPA 200.7	<0.100	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.100	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.0100	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.1000	mg/L
		Tin	EPA 200.7	<0.100	mg/L
		Titanium	EPA 200.7	<0.1000	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13030722	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030722	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030722	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030722	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13030335	LCS 1	Redox Potential	SM 2580B	217	221	98	mV
QC13030345	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13030345	LCS 2	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13030345	LCS 3	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13030346	LCS 1	Total Alkalinity	SM 2320B	99.3	100	99	mg/L
QC13030346	LCS 2	Total Alkalinity	SM 2320B	100	100	100	mg/L
QC13030346	LCS 3	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC13030346	LCS 4	Total Alkalinity	SM 2320B	99.7	100	100	mg/L
QC13030387	LCS 1	Nitrite Nitrogen	EPA 300.0	0.232	0.250	93	mg/L
QC13030388	LCS 1	Nitrate Nitrogen	EPA 300.0	0.236	0.250	95	mg/L
QC13030398	LCS 1	Fluoride	EPA 300.0	1.93	2.00	96	mg/L
QC13030401	LCS 1	Chloride	EPA 300.0	10.4	10.0	104	mg/L
QC13030405	LCS 1	Sulfate	EPA 300.0	24.6	25.0	98	mg/L
QC13030420	LCS 1	WAD Cyanide	SM 4500CNI	0.101	0.100	101	mg/L
QC13030421	LCS 1	Total Cyanide	SM 4500CNC	0.102	0.100	102	mg/L
QC13030457	LCS 1	Electrical Conductivity	SM 2510B	1450	1412	103	µmhos/cm
QC13030478	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	144	150	96	mg/L
QC13030478	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	156	150	104	mg/L
QC13030478	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	143	150	95	mg/L
QC13030487	LCS 1	Mercury	EPA 200.8	0.000873	0.001	87	mg/L
		Antimony	EPA 200.8	0.0101	0.010	100	mg/L
		Arsenic	EPA 200.8	0.0504	0.050	101	mg/L
		Beryllium	EPA 200.8	0.0102	0.010	102	mg/L
		Cadmium	EPA 200.8	0.0100	0.010	100	mg/L
		Chromium	EPA 200.8	0.0104	0.010	104	mg/L
		Copper	EPA 200.8	0.0101	0.010	101	mg/L
		Lead	EPA 200.8	0.0093	0.010	93	mg/L
		Nickel	EPA 200.8	0.0100	0.010	100	mg/L
		Selenium	EPA 200.8	0.0464	0.050	93	mg/L
		Silver	EPA 200.8	0.0097	0.010	97	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC13030520	LCS 1	Thallium	EPA 200.8	0.0092	0.010	92	mg/L	
		Uranium	EPA 200.8	0.0090	0.010	90	mg/L	
QC13030530	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.836	1.00	84	mg/L	
QC13030530	LCS 1	Cyanate	SM 4500 CNL	1.07	1.00	107	mg/L	
QC13030570	LCS 1	Aluminum	EPA 200.7	0.989	1.00	99	mg/L	
		Barium	EPA 200.7	0.969	1.00	97	mg/L	
		Bismuth	EPA 200.7	0.987	1.00	99	mg/L	
		Boron	EPA 200.7	0.932	1.00	93	mg/L	
		Calcium	EPA 200.7	9.65	10.0	96	mg/L	
		Cobalt	EPA 200.7	0.960	1.00	96	mg/L	
		Gallium	EPA 200.7	0.963	1.00	96	mg/L	
		Iron	EPA 200.7	0.966	1.00	97	mg/L	
		Lithium	EPA 200.7	0.931	1.00	93	mg/L	
		Magnesium	EPA 200.7	9.68	10.0	97	mg/L	
		Manganese	EPA 200.7	0.965	1.00	96	mg/L	
		Molybdenum	EPA 200.7	0.966	1.00	97	mg/L	
		Phosphorus	EPA 200.7	4.91	5.00	98	mg/L	
		Potassium	EPA 200.7	9.47	10.0	95	mg/L	
		Scandium	EPA 200.7	0.951	1.00	95	mg/L	
		Silicon	EPA 200.7	9.13	10.0	91	mg/L	
		Sodium	EPA 200.7	9.18	10.0	92	mg/L	
		Strontium	EPA 200.7	0.959	1.00	96	mg/L	
		Tin	EPA 200.7	0.968	1.00	97	mg/L	
		Titanium	EPA 200.7	0.963	1.00	96	mg/L	
		Vanadium	EPA 200.7	0.961	1.00	96	mg/L	
		Zinc	EPA 200.7	0.963	1.00	96	mg/L	
QC13030722	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.685	0.690	99	mg/L	
QC13030722	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.669	0.690	97	mg/L	

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13030335	Duplicate	Redox Potential	SM 2580B	1303185-001	<0.000	<0.000	mV	<1%
QC13030345	Duplicate	pH	SM 4500-H+ B	1303181-001	7.01	7.02	pH Units	<1%
QC13030345	Duplicate	pH	SM 4500-H+ B	1303197-001	2.45	2.44	pH Units	<1%
QC13030345	Duplicate	pH	SM 4500-H+ B	1303197-002	7.47	7.55	pH Units	1 %
QC13030345	Duplicate	pH	SM 4500-H+ B	1303197-003	7.73	7.76	pH Units	<1%
QC13030345	Duplicate	pH	SM 4500-H+ B	1303198-010	3.76	3.74	pH Units	1 %
QC13030346	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303181-001	108	108	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1303181-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1303181-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303181-001	88.4	88.2	mg/L as CaCO3	<1%
QC13030346	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303162-001	566	550	mg/L	3 %
		Carbonate (CO3)	SM 2320B	1303162-001	23.4	33.7	mg/L	36 %
		Hydroxide (OH)	SM 2320B	1303162-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303162-001	503	507	mg/L as CaCO3	1 %
QC13030346	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303197-002	46.3	46.6	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1303197-002	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1303197-002	<1.000	<1.000	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13030346	Duplicate	Total Alkalinity	SM 2320B	1303197-002	38.0	38.2	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1303197-003	69.5	68.6	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1303197-003	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1303197-003	<1.000	<1.000	mg/L	<1%
QC13030457	Duplicate	Total Alkalinity	SM 2320B	1303197-003	57.0	56.3	mg/L as CaCO3	1 %
		Electrical Conductivity	SM 2510B	1303185-001	793	792	µmhos/cm	<1%
QC13030478	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303097-001	5750	5820	mg/L	1 %
QC13030478	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303098-003	98.0	93.0	mg/L	5 %
QC13030478	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303134-002	604	604	mg/L	<1%
QC13030478	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303168-003	1410	1448	mg/L	3 %
QC13030478	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303185-003	1082	1086	mg/L	<1%
QC13030530	Duplicate	Cyanate	SM 4500 CNL	1303185-003	<0.150	<0.150	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13030387	MS 1	Nitrite Nitrogen	EPA 300.0	1303185-001	<0.010	0.155	0.132	0.125	mg/L	119	101	16 %
QC13030388	MS 1	Nitrate Nitrogen	EPA 300.0	1303185-001	0.197	0.685	0.697	0.500	mg/L	97	100	2 %
QC13030398	MS 1	Fluoride	EPA 300.0	1303200-001	0.169	1.99	2.03	2.00	mg/L	91	93	2 %
QC13030398	MS 2	Fluoride	EPA 300.0	1303197-003	<0.100	1.86	1.87	2.00	mg/L	92	93	1 %
QC13030401	MS 1	Chloride	EPA 300.0	1303200-001	14.9	19.8	19.9	5.00	mg/L	98	100	1 %
QC13030401	MS 2	Chloride	EPA 300.0	1303197-003	<1.000	5.26	5.34	5.00	mg/L	104	106	2 %
QC13030405	MS 1	Sulfate	EPA 300.0	1303200-001	27.3	36.7	36.9	10.0	mg/L	94	96	1 %
QC13030405	MS 2	Sulfate	EPA 300.0	1303197-003	60.5	69.1	69.3	10.0	mg/L	86	88	<1%
QC13030420	MS 1	WAD Cyanide	SM 4500CNI	1303195-001	<0.050	0.103	0.108	0.100	mg/L	103	108	5 %
QC13030420	MS 2	WAD Cyanide	SM 4500CNI	1303185-003	0.478	SC 0.564	0.579	0.100	mg/L	NC	NC	NC
QC13030421	MS 1	Total Cyanide	SM 4500CNC	1303201-001	<0.050	0.100	0.101	0.100	mg/L	100	101	1 %
QC13030422	MS 1	Thiocyanate	SM 4500 CN	1303185-001	1.03	1.94	2.00	0.500	mg/L	91	97	3 %
QC13030487	MS 1	Mercury	EPA 200.8	1303134-002	0.011000	SC 0.011500	0.011100	0.001	mg/L	NC	NC	NC
		Antimony	EPA 200.8	1303134-002	0.0025	0.0109	0.0109	0.010	mg/L	84	84	<1%
		Arsenic	EPA 200.8	1303134-002	0.5127	SC 0.5414	0.5433	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1303134-002	<0.0010	0.0089	0.0085	0.010	mg/L	89	85	5 %
		Cadmium	EPA 200.8	1303134-002	<0.0010	0.0092	0.0090	0.010	mg/L	89	87	2 %
		Chromium	EPA 200.8	1303134-002	<0.0050	0.0107	0.0101	0.010	mg/L	94	89	6 %
		Copper	EPA 200.8	1303134-002	0.0245	0.0330	0.0313	0.010	mg/L	85	68	5 %
		Lead	EPA 200.8	1303134-002	0.0071	0.0160	0.0159	0.010	mg/L	89	88	1 %
		Nickel	EPA 200.8	1303134-002	0.0118	0.0205	0.0204	0.010	mg/L	86	86	<1%
		Selenium	EPA 200.8	1303134-002	<0.0050	0.0442	0.0439	0.050	mg/L	87	87	1 %
		Silver	EPA 200.8	1303134-002	<0.0050	0.0097	0.0098	0.010	mg/L	91	92	1 %
		Thallium	EPA 200.8	1303134-002	<0.0010	0.0090	0.0090	0.010	mg/L	90	90	<1%
		Uranium	EPA 200.8	1303134-002	<0.0050	0.0122	0.0121	0.010	mg/L	95	95	1 %
QC13030520	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1303087-001	0.191	M 1.03	0.927	1.00	mg/L	NC	NC	NC
QC13030520	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1303169-005	<0.050	0.891	0.913	1.00	mg/L	89	91	2 %
QC13030570	MS 1	Aluminum	EPA 200.7	1303134-002	12.0	SC 9.01	8.84	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1303134-002	0.012	0.937	0.958	1.00	mg/L	93	95	2 %
		Bismuth	EPA 200.7	1303134-002	<0.100	0.935	0.929	1.00	mg/L	95	94	1 %
		Boron	EPA 200.7	1303134-002	0.176	1.12	1.15	1.00	mg/L	94	97	3 %
		Calcium	EPA 200.7	1303134-002	3.21	12.8	12.9	10.0	mg/L	96	97	1 %
		Cobalt	EPA 200.7	1303134-002	<0.010	0.939	0.954	1.00	mg/L	94	95	2 %
		Gallium	EPA 200.7	1303134-002	<0.100	0.898	0.908	1.00	mg/L	89	90	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Iron	EPA 200.7	1303134-002	1.91	M 2.53	2.53	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1303134-002	<0.100	0.947	0.937	1.00	mg/L	94	93	1 %
		Magnesium	EPA 200.7	1303134-002	0.806	9.94	9.91	10.0	mg/L	91	91	<1%
		Manganese	EPA 200.7	1303134-002	0.026	0.954	0.977	1.00	mg/L	93	95	2 %
		Molybdenum	EPA 200.7	1303134-002	<0.010	0.942	0.940	1.00	mg/L	94	94	<1%
		Phosphorus	EPA 200.7	1303134-002	0.614	5.46	5.48	5.00	mg/L	97	97	<1%
		Potassium	EPA 200.7	1303134-002	8.42	15.5	15.4	10.0	mg/L	71	70	1 %
		Scandium	EPA 200.7	1303134-002	<0.100	0.960	0.958	1.00	mg/L	96	96	<1%
		Silicon	EPA 200.7	1303134-002	61.7	SC 61.6	61.4	10.0	mg/L	NC	NC	NC
		Sodium	EPA 200.7	1303134-002	192	SC 198	199	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1303134-002	<0.100	0.956	0.949	1.00	mg/L	94	93	1 %
		Tin	EPA 200.7	1303134-002	<0.100	0.954	0.952	1.00	mg/L	95	95	<1%
		Titanium	EPA 200.7	1303134-002	<0.100	1.02	1.02	1.00	mg/L	95	95	<1%
		Vanadium	EPA 200.7	1303134-002	0.060	0.992	1.01	1.00	mg/L	93	95	2 %
		Zinc	EPA 200.7	1303134-002	0.020	1.01	1.01	1.00	mg/L	99	99	<1%
QC13030722	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1303372-008	0.527	1.17	1.12	0.690	mg/L	93	85	4 %
QC13030722	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1303397-002	0.363	M 0.826	0.818	0.690	mg/L	NC	NC	NC
QC13030722	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1303393-001	12.3	SC 12.3	11.7	0.690	mg/L	NC	NC	NC

3/15/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1303275

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 3/14/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1303275

General Comments

None

Specific Comments

None

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 3/15/2013

OrderID: 1303275

Customer Sample ID: 63304

Collect Date/Time: 3/14/2013 12:30

WETLAB Sample ID: 1303275-001

Receive Date: 3/14/2013 13:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
WAD Cyanide	SM 4500CNI	0.048	mg/L	0.010	3/14/2013

Customer Sample ID: 63307

Collect Date/Time: 3/14/2013 12:30

WETLAB Sample ID: 1303275-002

Receive Date: 3/14/2013 13:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
WAD Cyanide	SM 4500CNI	0.072	mg/L	0.010	3/14/2013

Customer Sample ID: 63319

Collect Date/Time: 3/14/2013 12:30

WETLAB Sample ID: 1303275-003

Receive Date: 3/14/2013 13:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
WAD Cyanide	SM 4500CNI	0.031	mg/L	0.010	3/14/2013

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13030481	Blank 1	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030481	Blank 2	WAD Cyanide	SM 4500CNI	<0.050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13030481	LCS 1	WAD Cyanide	SM 4500CNI	0.101	0.100	101	mg/L

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13030481	MS 1	WAD Cyanide	SM 4500CNI	1303241-001	<0.050	0.102	0.101	0.100	mg/L	102	101	1 %

3/25/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1303326

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 3/18/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1303326

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Total Cyanide, Aluminum, Copper, and Silicon on sample 1303326-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1303326-001 Mercury

1303326-002 Mercury

1303326-003 Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 3/25/2013

OrderID: 1303326

Customer Sample ID: 63301 18 Mar 13

Collect Date/Time: 3/18/2013 11:45

WETLAB Sample ID: 1303326-001

Receive Date: 3/18/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.39	mg/L	0.20	3/20/2013
Cyanate	SM 4500 CNL	0.61	mg/L	0.50	3/21/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	3/19/2013
pH	SM 4500-H+ B	8.66	pH Units		3/18/2013
Trace Metals Digestion	EPA 200.2	Complete			3/20/2013
Bicarbonate (HCO3)	SM 2320B	400	mg/L	1.0	3/18/2013
Carbonate (CO3)	SM 2320B	16	mg/L	1.0	3/18/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	3/18/2013
Total Alkalinity	SM 2320B	350	mg/L as CaCO3	1.0	3/18/2013
Redox Potential	SM 2580B	-28	mV		3/19/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	3/19/2013
Fluoride	EPA 300.0	1.0	mg/L	0.10	3/19/2013
Sulfate	EPA 300.0	79	mg/L	1.0	3/19/2013
Nitrate Nitrogen	EPA 300.0	0.10	mg/L	0.010	3/19/2013
Nitrite Nitrogen	EPA 300.0	0.024	mg/L	0.010	3/19/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.75	mg/L	0.20	3/21/2013
Total Nitrogen	Calc.	0.88	mg/L	0.070	3/21/2013
Total Cyanide	SM 4500CNC	0.31	M mg/L	0.050	3/19/2013
Total Dissolved Solids (TDS)	SM 2540C	560	mg/L	10	3/19/2013
WAD Cyanide	SM 4500CNI	0.021	mg/L	0.010	3/21/2013
Electrical Conductivity	SM 2510B	840	µmhos/cm	1	3/18/2013
Aluminum	EPA 200.7	3.2	M mg/L	0.045	3/21/2013
Barium	EPA 200.7	0.042	mg/L	0.010	3/21/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	3/21/2013
Boron	EPA 200.7	0.049	mg/L	0.020	3/21/2013
Calcium	EPA 200.7	6.6	mg/L	0.50	3/21/2013
Cobalt	EPA 200.7	0.0023	mg/L	0.0020	3/21/2013

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Customer Sample ID: 63301 18 Mar 13

Collect Date/Time: 3/18/2013 11:45

WETLAB Sample ID: 1303326-001

Receive Date: 3/18/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Gallium	EPA 200.7	<0.020	mg/L	0.020	3/21/2013
Iron	EPA 200.7	1.5	mg/L	0.010	3/21/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	3/21/2013
Magnesium	EPA 200.7	0.49	mg/L	0.25	3/21/2013
Manganese	EPA 200.7	0.058	mg/L	0.0050	3/21/2013
Molybdenum	EPA 200.7	0.0068	mg/L	0.0050	3/21/2013
Phosphorus	EPA 200.7	0.95	mg/L	0.10	3/21/2013
Potassium	EPA 200.7	3.2	mg/L	0.50	3/21/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	3/21/2013
Silicon	EPA 200.7	22	M mg/L	0.10	3/21/2013
Sodium	EPA 200.7	160	SC mg/L	0.50	3/21/2013
Strontium	EPA 200.7	0.090	mg/L	0.0020	3/21/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	3/21/2013
Titanium	EPA 200.7	0.039	mg/L	0.0050	3/21/2013
Vanadium	EPA 200.7	0.038	mg/L	0.010	3/21/2013
Zinc	EPA 200.7	0.036	mg/L	0.010	3/21/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	3/22/2013
Antimony	EPA 200.8	0.56	SC mg/L	0.025	3/22/2013
Arsenic	EPA 200.8	3.7	SC mg/L	0.050	3/22/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/25/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/25/2013
Chromium	EPA 200.8	0.0028	mg/L	0.0010	3/25/2013
Copper	EPA 200.8	0.010	M mg/L	0.0050	3/25/2013
Lead	EPA 200.8	0.31	mg/L	0.025	3/22/2013
Nickel	EPA 200.8	0.0037	mg/L	0.0010	3/25/2013
Selenium	EPA 200.8	0.013	mg/L	0.0050	3/22/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/25/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	3/22/2013
Uranium	EPA 200.8	0.065	mg/L	0.0050	3/22/2013
Anions	Calculation	8.79	meq/L	0.10	
Cations	Calculation	7.81	meq/L	0.10	
Error	Calculation	5.9	%	1.0	

Customer Sample ID: 63316 18 Mar 13

Collect Date/Time: 3/18/2013 11:45

WETLAB Sample ID: 1303326-002

Receive Date: 3/18/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	<0.10	mg/L	0.10	3/20/2013

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Customer Sample ID: 63316 18 Mar 13

Collect Date/Time: 3/18/2013 11:45

WETLAB Sample ID: 1303326-002

Receive Date: 3/18/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	0.62	mg/L	0.50	3/21/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	3/19/2013
pH	SM 4500-H+ B	8.79	pH Units		3/18/2013
Trace Metals Digestion	EPA 200.2	Complete			3/20/2013
Bicarbonate (HCO3)	SM 2320B	440	mg/L	1.0	3/18/2013
Carbonate (CO3)	SM 2320B	26	mg/L	1.0	3/18/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	3/18/2013
Total Alkalinity	SM 2320B	410	mg/L as CaCO3	1.0	3/18/2013
Redox Potential	SM 2580B	-41	mV		3/19/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	3/19/2013
Fluoride	EPA 300.0	1.2	mg/L	0.10	3/19/2013
Sulfate	EPA 300.0	120	mg/L	1.0	3/19/2013
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/19/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/19/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.53	mg/L	0.20	3/21/2013
Total Nitrogen	Calc.	0.53	mg/L	0.070	3/21/2013
Total Cyanide	SM 4500CNC	0.070	mg/L	0.010	3/19/2013
Total Dissolved Solids (TDS)	SM 2540C	680	mg/L	10	3/19/2013
WAD Cyanide	SM 4500CNI	<0.010	mg/L	0.010	3/21/2013
Electrical Conductivity	SM 2510B	1000	µmhos/cm	1	3/18/2013
Aluminum	EPA 200.7	2.4	mg/L	0.045	3/21/2013
Barium	EPA 200.7	0.028	mg/L	0.010	3/21/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	3/21/2013
Boron	EPA 200.7	0.038	mg/L	0.020	3/21/2013
Calcium	EPA 200.7	6.0	mg/L	0.50	3/21/2013
Cobalt	EPA 200.7	<0.0020	mg/L	0.0020	3/21/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	3/21/2013
Iron	EPA 200.7	1.4	mg/L	0.010	3/21/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	3/21/2013
Magnesium	EPA 200.7	0.37	mg/L	0.25	3/21/2013
Manganese	EPA 200.7	0.034	mg/L	0.0050	3/21/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	3/21/2013
Phosphorus	EPA 200.7	0.51	mg/L	0.10	3/21/2013
Potassium	EPA 200.7	3.9	mg/L	0.50	3/21/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	3/21/2013
Silicon	EPA 200.7	21	mg/L	0.10	3/21/2013
Sodium	EPA 200.7	220	mg/L	0.50	3/21/2013
Strontium	EPA 200.7	0.074	mg/L	0.0020	3/21/2013

Customer Sample ID: 63316 18 Mar 13

Collect Date/Time: 3/18/2013 11:45

WETLAB Sample ID: 1303326-002

Receive Date: 3/18/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Tin	EPA 200.7	<0.010	mg/L	0.010	3/21/2013
Titanium	EPA 200.7	0.041	mg/L	0.0050	3/21/2013
Vanadium	EPA 200.7	0.026	mg/L	0.010	3/21/2013
Zinc	EPA 200.7	0.042	mg/L	0.010	3/21/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	3/25/2013
Antimony	EPA 200.8	0.55	mg/L	0.010	3/22/2013
Arsenic	EPA 200.8	3.0	mg/L	0.050	3/22/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/25/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/25/2013
Chromium	EPA 200.8	0.0033	mg/L	0.0010	3/25/2013
Copper	EPA 200.8	0.039	mg/L	0.0050	3/25/2013
Lead	EPA 200.8	0.22	mg/L	0.010	3/22/2013
Nickel	EPA 200.8	0.0032	mg/L	0.0010	3/25/2013
Selenium	EPA 200.8	0.011	mg/L	0.0050	3/25/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/25/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	3/25/2013
Uranium	EPA 200.8	0.073	mg/L	0.0050	3/25/2013
Anions	Calculation	10.6	meq/L	0.10	
Cations	Calculation	10.3	meq/L	0.10	
Error	Calculation	1.5	%	1.0	

Customer Sample ID: 63322 18 Mar 13

Collect Date/Time: 3/18/2013 11:45

WETLAB Sample ID: 1303326-003

Receive Date: 3/18/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.13	mg/L	0.10	3/20/2013
Cyanate	SM 4500 CNL	0.62	mg/L	0.50	3/21/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	3/19/2013
pH	SM 4500-H+ B	8.71	pH Units		3/18/2013
Trace Metals Digestion	EPA 200.2	Complete			3/20/2013
Bicarbonate (HCO3)	SM 2320B	570	mg/L	1.0	3/18/2013
Carbonate (CO3)	SM 2320B	25	mg/L	1.0	3/18/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	3/18/2013
Total Alkalinity	SM 2320B	510	mg/L as CaCO3	1.0	3/18/2013
Redox Potential	SM 2580B	-60	mV		3/19/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	3/19/2013
Fluoride	EPA 300.0	0.65	mg/L	0.10	3/19/2013
Sulfate	EPA 300.0	38	mg/L	1.0	3/19/2013

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Customer Sample ID: 63322 18 Mar 13

Collect Date/Time: 3/18/2013 11:45

WETLAB Sample ID: 1303326-003

Receive Date: 3/18/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/19/2013
Nitrite Nitrogen	EPA 300.0	0.084	mg/L	0.010	3/19/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.43	mg/L	0.20	3/21/2013
Total Nitrogen	Calc.	0.52	mg/L	0.070	3/21/2013
Total Cyanide	SM 4500CNC	0.048	mg/L	0.010	3/19/2013
Total Dissolved Solids (TDS)	SM 2540C	660	mg/L	10	3/19/2013
WAD Cyanide	SM 4500CNI	0.019	mg/L	0.010	3/21/2013
Electrical Conductivity	SM 2510B	1000	µmhos/cm	1	3/18/2013
Aluminum	EPA 200.7	2.2	mg/L	0.045	3/21/2013
Barium	EPA 200.7	0.036	mg/L	0.010	3/21/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	3/21/2013
Boron	EPA 200.7	0.078	mg/L	0.020	3/21/2013
Calcium	EPA 200.7	6.5	mg/L	0.50	3/21/2013
Cobalt	EPA 200.7	0.0029	mg/L	0.0020	3/21/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	3/21/2013
Iron	EPA 200.7	1.3	mg/L	0.010	3/21/2013
Lithium	EPA 200.7	0.054	mg/L	0.020	3/21/2013
Magnesium	EPA 200.7	0.76	mg/L	0.25	3/21/2013
Manganese	EPA 200.7	0.037	mg/L	0.0050	3/21/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	3/21/2013
Phosphorus	EPA 200.7	0.43	mg/L	0.10	3/21/2013
Potassium	EPA 200.7	3.6	mg/L	0.50	3/21/2013
Scandium	EPA 200.7	0.0010	mg/L	0.0010	3/21/2013
Silicon	EPA 200.7	19	mg/L	0.10	3/21/2013
Sodium	EPA 200.7	230	mg/L	0.50	3/21/2013
Strontium	EPA 200.7	0.090	mg/L	0.0020	3/21/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	3/21/2013
Titanium	EPA 200.7	0.072	mg/L	0.0050	3/21/2013
Vanadium	EPA 200.7	0.018	mg/L	0.010	3/21/2013
Zinc	EPA 200.7	0.10	mg/L	0.010	3/21/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	3/25/2013
Antimony	EPA 200.8	0.24	mg/L	0.010	3/22/2013
Arsenic	EPA 200.8	2.2	mg/L	0.050	3/22/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/25/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/25/2013
Chromium	EPA 200.8	0.0054	mg/L	0.0010	3/25/2013
Copper	EPA 200.8	0.11	mg/L	0.0050	3/25/2013
Lead	EPA 200.8	0.22	mg/L	0.010	3/22/2013

Customer Sample ID: 63322 18 Mar 13**Collect Date/Time:** 3/18/2013 11:45**WETLAB Sample ID:** 1303326-003**Receive Date:** 3/18/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nickel	EPA 200.8	0.0080	mg/L	0.0010	3/25/2013
Selenium	EPA 200.8	0.0053	mg/L	0.0050	3/25/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/25/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	3/25/2013
Uranium	EPA 200.8	0.047	mg/L	0.0050	3/25/2013
Anions	Calculation	11.0	meq/L	0.10	
Cations	Calculation	10.8	meq/L	0.10	
Error	Calculation	<1.0	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13030558	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13030591	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13030591	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13030617	Blank 1	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13030617	Blank 2	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13030627	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13030627	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13030628	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13030628	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13030635	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13030635	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13030635	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13030636	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13030636	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13030636	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13030639	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13030639	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13030639	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13030674	Blank 1	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030674	Blank 2	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030674	Blank 3	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030676	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030676	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030677	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.100	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.0100	mg/L
		Gallium	EPA 200.7	<0.100	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.100	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.0100	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.1000	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.100	mg/L
		Tin	EPA 200.7	<0.100	mg/L
		Titanium	EPA 200.7	<0.1000	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13030683	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13030683	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC13030689	Blank 1	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030689	Blank 2	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030695	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13030695	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13030697	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030697	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030697	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030747	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Beryllium	EPA 200.8	<0.00100	mg/L
		Cadmium	EPA 200.8	<0.00100	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.0100	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.00100	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13030558	LCS 1	Electrical Conductivity	SM 2510B	1443	1412	102	µmhos/cm
QC13030575	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13030575	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13030577	LCS 1	Total Alkalinity	SM 2320B	102	100	102	mg/L
QC13030577	LCS 2	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13030577	LCS 3	Total Alkalinity	SM 2320B	100	100	100	mg/L
QC13030583	LCS 1	Redox Potential	SM 2580B	218	221	99	mV
QC13030591	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.999	1.00	100	mg/L
QC13030617	LCS 1	Total Cyanide	SM 4500CNC	0.097	0.100	97	mg/L
QC13030627	LCS 1	Nitrite Nitrogen	EPA 300.0	0.243	0.250	97	mg/L
QC13030628	LCS 1	Nitrate Nitrogen	EPA 300.0	0.237	0.250	95	mg/L
QC13030635	LCS 1	Fluoride	EPA 300.0	1.82	2.00	91	mg/L
QC13030636	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC13030639	LCS 1	Sulfate	EPA 300.0	24.0	25.0	96	mg/L
QC13030674	LCS 1	WAD Cyanide	SM 4500CNI	0.103	0.100	103	mg/L
QC13030676	LCS 1	Cyanate	SM 4500 CNL	0.858	1.00	86	mg/L
QC13030677	LCS 1	Aluminum	EPA 200.7	0.982	1.00	98	mg/L
		Barium	EPA 200.7	0.964	1.00	96	mg/L
		Bismuth	EPA 200.7	0.955	1.00	96	mg/L
		Boron	EPA 200.7	0.971	1.00	97	mg/L
		Calcium	EPA 200.7	9.60	10.0	96	mg/L
		Cobalt	EPA 200.7	0.918	1.00	92	mg/L
		Gallium	EPA 200.7	0.981	1.00	98	mg/L
		Iron	EPA 200.7	0.952	1.00	95	mg/L
		Lithium	EPA 200.7	0.967	1.00	97	mg/L
		Magnesium	EPA 200.7	9.43	10.0	94	mg/L
		Manganese	EPA 200.7	0.960	1.00	96	mg/L
		Molybdenum	EPA 200.7	0.939	1.00	94	mg/L
		Phosphorus	EPA 200.7	4.76	5.00	95	mg/L
		Potassium	EPA 200.7	9.75	10.0	98	mg/L
		Scandium	EPA 200.7	0.965	1.00	96	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Silicon	EPA 200.7	9.34	10.0	93	mg/L	
		Sodium	EPA 200.7	9.74	10.0	97	mg/L	
		Strontium	EPA 200.7	0.965	1.00	96	mg/L	
		Tin	EPA 200.7	0.956	1.00	96	mg/L	
		Titanium	EPA 200.7	0.967	1.00	97	mg/L	
		Vanadium	EPA 200.7	0.954	1.00	95	mg/L	
		Zinc	EPA 200.7	0.967	1.00	97	mg/L	
QC13030683	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	152	150	101	mg/L	
QC13030683	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	152	150	101	mg/L	
QC13030689	LCS 1	WAD Cyanide	SM 4500CNI	0.092	0.100	92	mg/L	
QC13030697	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.739	0.690	107	mg/L	
QC13030747	LCS 1	Mercury	EPA 200.8	0.001031	0.001	103	mg/L	
		Antimony	EPA 200.8	0.0101	0.010	101	mg/L	
		Arsenic	EPA 200.8	0.0505	0.050	101	mg/L	
		Beryllium	EPA 200.8	0.0098	0.010	98	mg/L	
		Cadmium	EPA 200.8	0.0105	0.010	105	mg/L	
		Chromium	EPA 200.8	0.0096	0.010	96	mg/L	
		Copper	EPA 200.8	0.0095	0.010	95	mg/L	
		Lead	EPA 200.8	0.0104	0.010	104	mg/L	
		Nickel	EPA 200.8	<0.0100	0.010	97	mg/L	
		Selenium	EPA 200.8	0.0455	0.050	91	mg/L	
		Silver	EPA 200.8	0.0099	0.010	99	mg/L	
		Thallium	EPA 200.8	0.0104	0.010	104	mg/L	
		Uranium	EPA 200.8	0.0103	0.010	103	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13030558	Duplicate	Electrical Conductivity	SM 2510B	1303326-001	835	819	μmhos/cm	2 %
QC13030575	Duplicate	pH	SM 4500-H+ B	1303326-001	8.66	8.66	pH Units	<1%
QC13030575	Duplicate	pH	SM 4500-H+ B	1303326-002	8.79	8.80	pH Units	<1%
QC13030575	Duplicate	pH	SM 4500-H+ B	1303326-003	8.71	8.71	pH Units	<1%
QC13030575	Duplicate	pH	SM 4500-H+ B	1303330-011	3.70	3.66	pH Units	1 %
QC13030577	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303326-001	395	395	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1303326-001	16.1	15.5	mg/L	3 %
		Hydroxide (OH)	SM 2320B	1303326-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303326-001	351	350	mg/L as CaCO3	<1%
QC13030577	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303326-002	441	440	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1303326-002	26.2	27.0	mg/L	3 %
		Hydroxide (OH)	SM 2320B	1303326-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303326-002	405	406	mg/L as CaCO3	<1%
QC13030577	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303326-003	574	574	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1303326-003	24.9	25.5	mg/L	2 %
		Hydroxide (OH)	SM 2320B	1303326-003	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303326-003	512	513	mg/L as CaCO3	<1%
QC13030583	Duplicate	Redox Potential	SM 2580B	1303330-002	118	90.5	mV	27 %
QC13030583	Duplicate	Redox Potential	SM 2580B	1303330-011	406	406	mV	<1%
QC13030676	Duplicate	Cyanate	SM 4500 CNL	1303326-003	0.618	0.609	mg/L	1 %
QC13030683	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303281-001	82.0	77.0	mg/L	6 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13030683	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303302-002	293	369	mg/L	23 %
QC13030683	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303320-004	1872	1872	mg/L	<1%
QC13030683	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303320-014	3930	3900	mg/L	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13030591	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1303345-001	<0.050	1.02	1.06	1.00	mg/L	102	106	4 %
QC13030617	MS 1	Total Cyanide	SM 4500CNC	1303326-001	0.308	M 0.388	0.410	0.100	mg/L	NC	NC	NC
QC13030627	MS 1	Nitrite Nitrogen	EPA 300.0	1303326-001	0.024	0.134	0.139	0.125	mg/L	88	92	4 %
QC13030628	MS 1	Nitrate Nitrogen	EPA 300.0	1303326-001	0.105	0.620	0.634	0.500	mg/L	103	106	2 %
QC13030635	MS 1	Fluoride	EPA 300.0	1303295-001	0.157	2.03	2.08	2.00	mg/L	94	96	2 %
QC13030635	MS 2	Fluoride	EPA 300.0	1303274-001	0.178	2.09	2.14	2.00	mg/L	95	98	2 %
QC13030636	MS 1	Chloride	EPA 300.0	1303295-001	8.26	13.5	13.6	5.00	mg/L	105	107	1 %
QC13030636	MS 2	Chloride	EPA 300.0	1303274-001	38.2	42.5	42.7	5.00	mg/L	87	91	<1%
QC13030639	MS 1	Sulfate	EPA 300.0	1303295-001	31.4	41.1	41.3	10.0	mg/L	97	99	<1%
QC13030639	MS 2	Sulfate	EPA 300.0	1303274-001	43.1	52.6	53.0	10.0	mg/L	95	99	1 %
QC13030674	MS 1	WAD Cyanide	SM 4500CNI	1303244-002	<0.050	0.124	0.125	0.100	mg/L	100	101	1 %
QC13030674	MS 2	WAD Cyanide	SM 4500CNI	1303326-002	<0.010	0.111	0.111	0.100	mg/L	102	102	<1%
QC13030677	MS 1	Aluminum	EPA 200.7	1303326-001	3.20	M 5.00	5.06	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1303326-001	0.042	1.05	1.03	1.00	mg/L	101	99	2 %
		Bismuth	EPA 200.7	1303326-001	<0.075	1.03	1.01	1.00	mg/L	101	99	2 %
		Boron	EPA 200.7	1303326-001	0.049	1.06	1.05	1.00	mg/L	101	100	1 %
		Calcium	EPA 200.7	1303326-001	6.64	17.7	17.8	10.0	mg/L	111	112	1 %
		Cobalt	EPA 200.7	1303326-001	0.002	0.935	0.918	1.00	mg/L	93	92	2 %
		Gallium	EPA 200.7	1303326-001	<0.020	1.00	1.01	1.00	mg/L	100	101	1 %
		Iron	EPA 200.7	1303326-001	1.49	2.75	2.78	1.00	mg/L	126	129	1 %
		Lithium	EPA 200.7	1303326-001	<0.020	0.943	0.944	1.00	mg/L	93	93	<1%
		Magnesium	EPA 200.7	1303326-001	0.493	10.1	10.2	10.0	mg/L	96	97	1 %
		Manganese	EPA 200.7	1303326-001	0.058	1.01	1.01	1.00	mg/L	95	95	<1%
		Molybdenum	EPA 200.7	1303326-001	0.007	0.952	0.927	1.00	mg/L	95	92	3 %
		Phosphorus	EPA 200.7	1303326-001	0.948	5.90	5.84	5.00	mg/L	99	98	1 %
		Potassium	EPA 200.7	1303326-001	3.23	13.2	13.3	10.0	mg/L	100	101	1 %
		Scandium	EPA 200.7	1303326-001	<0.001	0.970	0.969	1.00	mg/L	97	97	<1%
		Silicon	EPA 200.7	1303326-001	22.2	M 37.7	38.2	10.0	mg/L	NC	NC	NC
		Sodium	EPA 200.7	1303326-001	160	SC 193	190	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1303326-001	0.090	1.08	1.06	1.00	mg/L	99	97	2 %
		Tin	EPA 200.7	1303326-001	<0.010	0.971	0.945	1.00	mg/L	97	95	3 %
		Titanium	EPA 200.7	1303326-001	0.039	1.02	1.02	1.00	mg/L	98	98	<1%
		Vanadium	EPA 200.7	1303326-001	0.038	0.988	0.992	1.00	mg/L	95	95	<1%
		Zinc	EPA 200.7	1303326-001	0.036	1.06	1.04	1.00	mg/L	102	100	2 %
QC13030689	MS 1	WAD Cyanide	SM 4500CNI	1303274-001	<0.050	0.103	0.102	0.100	mg/L	103	102	1 %
QC13030689	MS 2	WAD Cyanide	SM 4500CNI	1303295-001	<0.050	M 0.004	0.002	0.100	mg/L	NC	NC	NC
QC13030695	MS 1	Thiocyanate	SM 4500 CN	1303326-001	0.386	1.34	1.36	0.500	mg/L	95	97	1 %
QC13030697	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1303310-001	<0.200	M <0.200	<0.200	0.690	mg/L	NC	NC	NC
QC13030697	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1303355-001	<0.200	0.839	0.870	0.690	mg/L	100	104	4 %
QC13030747	MS 1	Mercury	EPA 200.8	1303326-001	<0.00100	0.001400	0.001300	0.001	mg/L	90	80	7 %
		Antimony	EPA 200.8	1303326-001	0.5596	SC 0.5743	0.5840	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1303326-001	3.7190	SC 3.8143	3.8725	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1303326-001	<0.0004	0.0104	0.0104	0.010	mg/L	102	102	<1%
		Cadmium	EPA 200.8	1303326-001	<0.0009	0.0087	0.0083	0.010	mg/L	87	83	5 %
		Chromium	EPA 200.8	1303326-001	0.0028	0.0149	0.0157	0.010	mg/L	121	130	5 %
		Copper	EPA 200.8	1303326-001	0.0104	M 0.0266	0.0299	0.010	mg/L	NC	NC	NC

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Lead	EPA 200.8	1303326-001	0.3055	0.3125	0.3216	0.010	mg/L	70	161	3 %
		Nickel	EPA 200.8	1303326-001	0.0037	0.0134	0.0137	0.010	mg/L	98	100	2 %
		Selenium	EPA 200.8	1303326-001	0.0134	0.0617	0.0607	0.050	mg/L	97	95	2 %
		Silver	EPA 200.8	1303326-001	<0.0015	0.0094	0.0095	0.010	mg/L	90	91	1 %
		Thallium	EPA 200.8	1303326-001	<0.0004	0.0097	0.0096	0.010	mg/L	96	95	1 %
		Uranium	EPA 200.8	1303326-001	0.0649	0.0749	0.0779	0.010	mg/L	100	130	4 %

Specializing in Soil, Hazardous Waste and Water Analysis.

3/26/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1303383

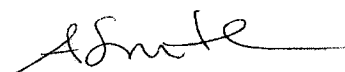
Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 3/20/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,



Andy Smith
QA Manager

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
tel [775] 355-0202
fax [775] 355-0817

ELKO

1084 Lamoille Hwy.
Elko, Nevada 89801
tel [775] 777-9933
fax [775] 777-9933

LAS VEGAS

3230 Polaris Ave., Suite 4
Las Vegas, Nevada 89102
tel [702] 475-8899
fax [702] 776-6152

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassidy and Associates - 1303383

General Comments

None

Specific Comments

None

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 3/26/2013

OrderID: 1303383

Customer Sample ID: 65979

Collect Date/Time: 3/20/2013 13:15

WETLAB Sample ID: 1303383-001

Receive Date: 3/20/2013 14:35

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	1.6	mg/L	0.50	3/21/2013
Thiocyanate	SM 4500 CNM	0.79	M mg/L	0.20	3/21/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	3/21/2013
Trace Metals Digestion	EPA 200.2	Complete			3/21/2013
Chloride	EPA 300.0	99	mg/L	1.0	3/21/2013
Fluoride	EPA 300.0	1.9	mg/L	1.0	3/21/2013
Sulfate	EPA 300.0	1000	mg/L	10	3/21/2013
Nitrate Nitrogen	EPA 300.0	0.30	mg/L	0.10	3/21/2013
Iron	EPA 200.7	2.9	mg/L	0.010	3/21/2013
Molybdenum	EPA 200.7	0.14	mg/L	0.010	3/21/2013
Zinc	EPA 200.7	0.12	mg/L	0.010	3/21/2013
Mercury	EPA 200.8	<0.0010	mg/L	0.0010	3/21/2013
Antimony	EPA 200.8	0.68	mg/L	0.25	3/21/2013
Arsenic	EPA 200.8	2.6	mg/L	0.50	3/21/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/21/2013
Chromium	EPA 200.8	0.0085	mg/L	0.0050	3/21/2013
Copper	EPA 200.8	0.089	mg/L	0.0050	3/21/2013
Lead	EPA 200.8	0.53	mg/L	0.25	3/21/2013
Nickel	EPA 200.8	0.033	mg/L	0.0100	3/21/2013
Selenium	EPA 200.8	0.013	mg/L	0.0050	3/21/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/21/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	3/21/2013
Uranium	EPA 200.8	0.52	mg/L	0.050	3/21/2013
Total Organic Carbon (TOC)	N/A	See Attached			

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13030671	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13030671	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13030676	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030676	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030682	Blank 1	Iron	EPA 200.7	<0.010	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L
QC13030684	Blank 1	Mercury	EPA 200.8	<0.00010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC13030692	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13030692	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13030698	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13030698	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13030698	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13030702	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13030702	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13030702	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13030709	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13030709	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13030709	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13030716	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13030716	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13030716	Blank 3	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13030676	LCS 1	Cyanate	SM 4500 CNL	0.858	1.00	86	mg/L
QC13030682	LCS 1	Iron	EPA 200.7	0.961	1.00	96	mg/L
		Molybdenum	EPA 200.7	0.964	1.00	96	mg/L
		Zinc	EPA 200.7	0.996	1.00	100	mg/L
QC13030684	LCS 1	Mercury	EPA 200.8	0.000907	0.001	91	mg/L
		Antimony	EPA 200.8	0.0094	0.010	94	mg/L
		Arsenic	EPA 200.8	0.0495	0.050	99	mg/L
		Cadmium	EPA 200.8	0.0099	0.010	99	mg/L
		Copper	EPA 200.8	0.0097	0.010	97	mg/L
		Lead	EPA 200.8	0.0098	0.010	98	mg/L
		Selenium	EPA 200.8	0.0458	0.050	92	mg/L
		Thallium	EPA 200.8	0.0098	0.010	98	mg/L
		Uranium	EPA 200.8	0.0096	0.010	96	mg/L
QC13030692	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.886	1.00	89	mg/L
QC13030698	LCS 1	Fluoride	EPA 300.0	1.90	2.00	95	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units						
QC13030702	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L						
QC13030709	LCS 1	Sulfate	EPA 300.0	24.2	25.0	97	mg/L						
QC13030716	LCS 1	Nitrate Nitrogen	EPA 300.0	0.472	0.500	94	mg/L						
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD					
QC13030676	Duplicate	Cyanate	SM 4500 CNL	1303326-003	0.618	0.609	mg/L	1 %					
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD	
QC13030671	MS 1	Thiocyanate	SM 4500 CN	1303383-001	0.794	M 1.67	1.77	0.500	mg/L	NC	NC	NC	
QC13030682	MS 1	Iron	EPA 200.7	1303376-001	0.013	0.977	0.980	1.00	mg/L	96	97	<1%	
		Molybdenum	EPA 200.7	1303376-001	<0.010	0.959	0.963	1.00	mg/L	96	96	<1%	
		Zinc	EPA 200.7	1303376-001	0.028	1.04	1.05	1.00	mg/L	101	102	1 %	
QC13030684	MS 1	Mercury	EPA 200.8	1303376-001	<0.00010	0.000843	0.000839	0.001	mg/L	84	83	<1%	
		Antimony	EPA 200.8	1303376-001	<0.0025	0.0095	0.0096	0.010	mg/L	93	94	1 %	
		Arsenic	EPA 200.8	1303376-001	0.0083	0.0545	0.0544	0.050	mg/L	92	92	<1%	
		Cadmium	EPA 200.8	1303376-001	<0.0010	0.0082	0.0081	0.010	mg/L	82	81	1 %	
		Copper	EPA 200.8	1303376-001	<0.0050	0.0097	0.0095	0.010	mg/L	85	84	2 %	
		Lead	EPA 200.8	1303376-001	<0.0025	0.0093	0.0093	0.010	mg/L	93	93	<1%	
		Selenium	EPA 200.8	1303376-001	<0.0050	0.0433	0.0442	0.050	mg/L	84	86	2 %	
		Thallium	EPA 200.8	1303376-001	<0.0010	0.0093	0.0093	0.010	mg/L	93	93	<1%	
		Uranium	EPA 200.8	1303376-001	<0.0050	0.0097	0.0097	0.010	mg/L	97	97	<1%	
QC13030692	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1303347-002	0.196	1.04	0.993	1.00	mg/L	84	80	5 %	
QC13030698	MS 1	Fluoride	EPA 300.0	1303388-001	0.114	1.98	2.07	2.00	mg/L	94	98	4 %	
QC13030698	MS 2	Fluoride	EPA 300.0	1303388-004	<0.100	1.91	1.97	2.00	mg/L	94	98	3 %	
QC13030702	MS 1	Chloride	EPA 300.0	1303388-001	<1.000	5.31	5.54	5.00	mg/L	106	110	4 %	
QC13030702	MS 2	Chloride	EPA 300.0	1303388-004	<1.000	5.31	5.46	5.00	mg/L	107	109	3 %	
QC13030709	MS 1	Sulfate	EPA 300.0	1303388-001	11.3	21.4	21.7	10.0	mg/L	101	104	1 %	
QC13030709	MS 2	Sulfate	EPA 300.0	1303388-004	3.67	13.8	14.1	10.0	mg/L	101	104	2 %	
QC13030716	MS 1	Nitrate Nitrogen	EPA 300.0	1303397-001	<0.010	0.484	0.500	0.500	mg/L	97	100	3 %	
QC13030716	MS 2	Nitrate Nitrogen	EPA 300.0	1303400-001	<0.010	0.488	0.502	0.500	mg/L	98	100	3 %	



Associated Laboratories

806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
Info@associatedlabs.com



Client: Western Environmental Testing Lab.
Address: 475 E. Greg St
Suite 119
Sparks, NV 89431
Attn: Scott Thompson

Lab Request: 320356
Report Date: 03/22/2013
Date Received: 03/21/2013

Client ID: 10124

Comments: Job #1303383

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAP are indicated on the report. This cover letter is an integral part of the final report.

<u>Sample #</u>	<u>Client Sample ID</u>
320356-001	65979

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Nina Prasad
President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water	Client: Western Environmental Testing Lab	Collector: Client
Sampled: 03/20/2013 13:15	Site:	
Sample #: 320356-001	Client Sample #: 65979	Sample Type:

Analyte	Result	DF	RDL	Units	Analyzed	By	Notes
Method: SM 5310B	Prep Method: Method		QCBatchID: QC1135032				
Total Organic Carbon (TOC)	420	20	10	mg/L	03/22/13	quang	

ND = Not Detected or < RDL

RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report
Lab Request 320356 Page 2 of 2



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #320356

QCBatchID: QC1135032	Analyst: Quang	Method: SM 5310B
Matrix: Water	Analyzed: 03/22/2013	Instrument: TOC-BIO (group)

Blank Summary						
Analyte	Blank Result	Units		RDL	Notes	
QC1135032MB1						
Total Organic Carbon (TOC)	ND	mg/L		0.5		

Lab Control Spike/Lab Control Spike Duplicate Summary									
Analyte	Spike Amount		Spike Result		Units	Recoveries		Limits	Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD	RPD	
QC1135032LCS1									
Total Organic Carbon (TOC)	10		10.7		mg/L	107		80-120	

Matrix Spike/Matrix Spike Duplicate Summary												
Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		Limits	Notes		
		MS	MSD	MS	MSD		MS	MSD			RPD	%Rec RPD
QC1135032MS1, QC1135032MSD1											Source: 320354-001	
Total Organic Carbon (TOC)	0.8	10	10	10.8	11.0	mg/L	100	102	1.8	80-120	20	

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 320356 Page 1 of 2

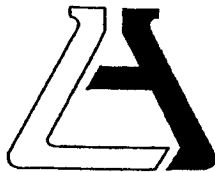


Notes and Definitions

B	Analyte was present in an associated method blank. Associated sample data was reported with qualifier.
C	Laboratory Contamination.
D	The sample duplicate RPD was not within control limits, the sample data was reported without further clarification.
DF	Dilution Factor
DW	Sample result is calculated on a dry weigh basis
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
MDL	Method Detection Limit
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
ND	Analyte was not detected or was less than the detection limit.
P	Sample was received without proper preservation according to EPA guidelines.
RDL	Reporting Detection Limit
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
T	Sample was extracted/analyzed past the holding time.
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

ND = Not Detected or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor





ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868 - 714-771-6900

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Wetlab

Project: _____

Date Received: 3-21-13

Sampler's Name: Yes No

Sample(s) received in cooler: Yes

No (Skip Section 2)

Shipping Information: _____

Section 2

Was the cooler packed with: ✓ Ice Ice Packs Bubble Wrap Styrofoam
 Paper None Other _____

Sample temperature: 4°C

(Acceptance range is 0 to 6 Deg. C. of arrival on ice.)

Section 3

	YES	NO	N/A
Was a COC received?	<u>✓</u>		
Is it properly completed? (IDs, sampling date and time, signature, test)	<u>✓</u>		
Were custody seals present?		<u>✓</u>	
If Yes - were they intact?			<u>✓</u>
Were all samples sealed in plastic bags?	<u>✓</u>		
Did all samples arrive intact? If no, indicate below.	<u>✓</u>		
Did all bottle labels agree with COC? (ID, dates and times)	<u>✓</u>		
Were correct containers used for the tests required?	<u>✓</u>		
Was a sufficient amount of sample sent for tests indicated?	<u>✓</u>		
Was there headspace in VOA vials?		<u>✓</u>	
Were the containers labeled with correct preservatives?	<u>✓</u>		
Was total residual chlorine measured (Fish Bioassay samples only)?*			<u>✓</u>

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4

Explanations/Comments

Section 5

Was Project Manager notified of discrepancies: Y / N N/A

Completed By: [Signature]

Date: 3-21-13

**WETLAB**WESTERN ENVIRONMENTAL
TESTING LABORATORY

Specializing in Soil, Hazardous Waste and Water Analysis.

475 E. Greg Street #119 | Sparks, Nevada 89431

tel (775) 355-0202 | fax (775) 355-0817 | www.WETLaboratory.com

Lab Number 1303383

Report Due Date 3/21/13

Page _____ of _____

Client KCA

Address

City, State & Zip

Contact

Phone

Collector's Name Scott Larsen

Fax

PWS/Project Name Eagle Gold

P.O. Number

PWS/Project Number

Email

Billing Address (if different than Client Address)

Company

Address

City, State & Zip

Contact

Phone

Fax

Email

Turnaround Time Requirements

Standard

5-Day*

3-Day*

48 Hour*

24 Hour*

*Surcharges Will Apply

Samples Collected From Which State?

CA

Other

Report Results Via

Fax

Mail Only

PDF

EDD

Other:

Compliance Monitoring?

Yes

No

Report to State EPA?

Yes

No

Standard QC Required?

Yes

No

Analyses RequestedNO. OF
SAMP
LE
TYPE
S

See Attached

SAMPLE ID/LOCATION**DATE****TIME****Spl.
No.**

65979

20 Mar

1:15

1

Instructions/Comments/Special Requirements:

EXTREMELY LIMITED VOLUME

**Sample Matrix/
Type Key****

DW = Drinking Water WW = Wastewater SW = Surface Water MW = Monitoring Well SD = Solid/Sludge SO = Soil HW = Hazardous Waste OTHER:

SAMPLE RECEIPT**DATE****TIME****Samples Relinquished By****Samples Received By**

Temperature 7.9 °C

20 Mar

1:15

Custody Seals Intact? Y N None

3/21/13

1435

Number of Containers 1

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compensation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

4/1/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1303472

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 3/25/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1303472

General Comments

None

Specific Comments

None

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 4/1/2013

OrderID: 1303472

Customer Sample ID: 63301 25 Mar 13

Collect Date/Time: 3/25/2013 11:45

WETLAB Sample ID: 1303472-001

Receive Date: 3/25/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.37	mg/L	0.10	3/26/2013
Cyanate	SM 4500 CNL	0.37	mg/L	0.25	3/27/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	3/26/2013
pH	SM 4500-H+ B	8.68	pH Units		3/25/2013
Trace Metals Digestion	EPA 200.2	Complete			3/27/2013
Bicarbonate (HCO3)	SM 2320B	370	mg/L	1.0	3/25/2013
Carbonate (CO3)	SM 2320B	17	mg/L	1.0	3/25/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	3/25/2013
Total Alkalinity	SM 2320B	330	mg/L as CaCO3	1.0	3/25/2013
Redox Potential	SM 2580B	-145	mV		3/26/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	3/26/2013
Fluoride	EPA 300.0	0.93	mg/L	0.10	3/26/2013
Sulfate	EPA 300.0	72	mg/L	1.0	3/26/2013
Nitrate Nitrogen	EPA 300.0	0.099	mg/L	0.010	3/26/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/26/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.72	mg/L	0.20	3/27/2013
Total Nitrogen	Calc.	0.82	mg/L	0.20	3/27/2013
Total Cyanide	SM 4500CNC	0.29	mg/L	0.10	3/27/2013
Total Dissolved Solids (TDS)	SM 2540C	540	mg/L	10	3/26/2013
WAD Cyanide	SM 4500CNI	<0.050	mg/L	0.050	3/27/2013
Electrical Conductivity	SM 2510B	730	µmhos/cm	1	3/26/2013
Aluminum	EPA 200.7	3.1	mg/L	0.045	3/27/2013
Barium	EPA 200.7	0.038	mg/L	0.010	3/27/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	3/27/2013
Boron	EPA 200.7	0.032	mg/L	0.020	3/27/2013
Calcium	EPA 200.7	7.7	mg/L	0.50	3/27/2013
Cobalt	EPA 200.7	0.0024	mg/L	0.0020	3/27/2013

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Customer Sample ID: 63301 25 Mar 13

Collect Date/Time: 3/25/2013 11:45

WETLAB Sample ID: 1303472-001

Receive Date: 3/25/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Gallium	EPA 200.7	<0.020	mg/L	0.020	3/27/2013
Iron	EPA 200.7	1.7	mg/L	0.010	3/27/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	3/27/2013
Magnesium	EPA 200.7	0.52	mg/L	0.25	3/27/2013
Manganese	EPA 200.7	0.053	mg/L	0.0050	3/27/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	3/27/2013
Phosphorus	EPA 200.7	0.93	mg/L	0.10	3/27/2013
Potassium	EPA 200.7	3.2	mg/L	0.50	3/27/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	3/27/2013
Silicon	EPA 200.7	25	mg/L	0.10	3/27/2013
Sodium	EPA 200.7	160	mg/L	0.50	3/27/2013
Strontium	EPA 200.7	0.094	mg/L	0.0020	3/27/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	3/27/2013
Titanium	EPA 200.7	0.050	mg/L	0.0050	3/27/2013
Vanadium	EPA 200.7	0.033	mg/L	0.010	3/27/2013
Zinc	EPA 200.7	0.036	mg/L	0.010	3/27/2013
Antimony	EPA 200.8	0.43	mg/L	0.025	3/28/2013
Arsenic	EPA 200.8	3.4	mg/L	0.050	3/28/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/28/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/28/2013
Chromium	EPA 200.8	<0.0010	mg/L	0.0010	3/28/2013
Copper	EPA 200.8	0.0066	mg/L	0.0025	3/28/2013
Lead	EPA 200.8	0.30	mg/L	0.025	3/28/2013
Nickel	EPA 200.8	0.0033	mg/L	0.0010	3/28/2013
Selenium	EPA 200.8	0.014	mg/L	0.0050	3/28/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/28/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	3/28/2013
Uranium	EPA 200.8	0.063	mg/L	0.0050	3/28/2013
Mercury	EPA 245.1	<0.00010	mg/L	0.00010	3/29/2013
Anions	Calculation	8.19	meq/L	0.10	
Cations	Calculation	7.91	meq/L	0.10	
Error	Calculation	1.7	%	1.0	

Customer Sample ID: 63316 25 Mar 13

Collect Date/Time: 3/25/2013 11:45

WETLAB Sample ID: 1303472-002

Receive Date: 3/25/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	0.43	mg/L	0.25	3/27/2013

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Customer Sample ID: 63316 25 Mar 13

Collect Date/Time: 3/25/2013 11:45

WETLAB Sample ID: 1303472-002

Receive Date: 3/25/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.14	mg/L	0.10	3/26/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	3/26/2013
pH	SM 4500-H+ B	8.81	pH Units		3/25/2013
Trace Metals Digestion	EPA 200.2	Complete			3/27/2013
Bicarbonate (HCO3)	SM 2320B	410	mg/L	1.0	3/25/2013
Carbonate (CO3)	SM 2320B	25	mg/L	1.0	3/25/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	3/25/2013
Total Alkalinity	SM 2320B	380	mg/L as CaCO3	1.0	3/25/2013
Redox Potential	SM 2580B	-116	mV		3/26/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	3/26/2013
Fluoride	EPA 300.0	1.1	mg/L	0.10	3/26/2013
Sulfate	EPA 300.0	110	mg/L	1.0	3/26/2013
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/26/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/26/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.40	mg/L	0.20	3/27/2013
Total Nitrogen	Calc.	0.40	mg/L	0.10	3/27/2013
Total Cyanide	SM 4500CNC	0.054	mg/L	0.010	3/27/2013
Total Dissolved Solids (TDS)	SM 2540C	630	mg/L	10	3/26/2013
WAD Cyanide	SM 4500CNI	<0.010	mg/L	0.010	3/27/2013
Electrical Conductivity	SM 2510B	880	µmhos/cm	1	3/26/2013
Aluminum	EPA 200.7	2.0	mg/L	0.045	3/27/2013
Barium	EPA 200.7	0.024	mg/L	0.010	3/27/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	3/27/2013
Boron	EPA 200.7	0.023	mg/L	0.020	3/27/2013
Calcium	EPA 200.7	5.4	mg/L	0.50	3/27/2013
Cobalt	EPA 200.7	<0.0020	mg/L	0.0020	3/27/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	3/27/2013
Iron	EPA 200.7	1.2	mg/L	0.010	3/27/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	3/27/2013
Magnesium	EPA 200.7	0.31	mg/L	0.25	3/27/2013
Manganese	EPA 200.7	0.030	mg/L	0.0050	3/27/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	3/27/2013
Phosphorus	EPA 200.7	0.49	mg/L	0.10	3/27/2013
Potassium	EPA 200.7	3.5	mg/L	0.50	3/27/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	3/27/2013
Silicon	EPA 200.7	19	mg/L	0.10	3/27/2013
Sodium	EPA 200.7	190	mg/L	0.50	3/27/2013
Strontium	EPA 200.7	0.064	mg/L	0.0020	3/27/2013

Customer Sample ID: 63316 25 Mar 13

Collect Date/Time: 3/25/2013 11:45

WETLAB Sample ID: 1303472-002

Receive Date: 3/25/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Tin	EPA 200.7	<0.010	mg/L	0.010	3/27/2013
Titanium	EPA 200.7	0.037	mg/L	0.0050	3/27/2013
Vanadium	EPA 200.7	0.022	mg/L	0.010	3/27/2013
Zinc	EPA 200.7	0.037	mg/L	0.010	3/27/2013
Antimony	EPA 200.8	0.43	mg/L	0.025	3/28/2013
Arsenic	EPA 200.8	2.7	mg/L	0.050	3/28/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/28/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/28/2013
Chromium	EPA 200.8	<0.0010	mg/L	0.0010	3/28/2013
Copper	EPA 200.8	0.014	mg/L	0.0025	3/28/2013
Lead	EPA 200.8	0.23	mg/L	0.025	3/28/2013
Nickel	EPA 200.8	0.0027	mg/L	0.0010	3/28/2013
Selenium	EPA 200.8	0.011	mg/L	0.0050	3/28/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/28/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	3/28/2013
Uranium	EPA 200.8	0.069	mg/L	0.0050	3/28/2013
Mercury	EPA 245.1	<0.00010	mg/L	0.00010	3/29/2013
Anions	Calculation	9.90	meq/L	0.10	
Cations	Calculation	8.91	meq/L	0.10	
Error	Calculation	5.2	%	1.0	

Customer Sample ID: 63322 25 Mar 13

Collect Date/Time: 3/25/2013 11:45

WETLAB Sample ID: 1303472-003

Receive Date: 3/25/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	0.41	mg/L	0.25	3/27/2013
Thiocyanate	SM 4500 CNM	0.41	mg/L	0.10	3/26/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	3/26/2013
pH	SM 4500-H+ B	8.76	pH Units		3/25/2013
Trace Metals Digestion	EPA 200.2	Complete			3/27/2013
Bicarbonate (HCO3)	SM 2320B	480	mg/L	1.0	3/25/2013
Carbonate (CO3)	SM 2320B	26	mg/L	1.0	3/25/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	3/25/2013
Total Alkalinity	SM 2320B	430	mg/L as CaCO3	1.0	3/25/2013
Redox Potential	SM 2580B	-182	mV		3/26/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	3/26/2013
Fluoride	EPA 300.0	0.66	mg/L	0.10	3/26/2013
Sulfate	EPA 300.0	44	mg/L	1.0	3/26/2013

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Customer Sample ID: 63322 25 Mar 13

Collect Date/Time: 3/25/2013 11:45

WETLAB Sample ID: 1303472-003

Receive Date: 3/25/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	3/26/2013
Nitrite Nitrogen	EPA 300.0	0.012	mg/L	0.010	3/26/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.46	mg/L	0.20	3/27/2013
Total Nitrogen	Calc.	0.47	mg/L	0.10	3/27/2013
Total Cyanide	SM 4500CNC	0.041	mg/L	0.010	3/27/2013
Total Dissolved Solids (TDS)	SM 2540C	570	mg/L	10	3/26/2013
WAD Cyanide	SM 4500CNI	0.014	mg/L	0.010	3/27/2013
Electrical Conductivity	SM 2510B	860	µmhos/cm	1	3/26/2013
Aluminum	EPA 200.7	2.2	mg/L	0.045	3/27/2013
Barium	EPA 200.7	0.030	mg/L	0.010	3/27/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	3/27/2013
Boron	EPA 200.7	0.055	mg/L	0.020	3/27/2013
Calcium	EPA 200.7	5.2	mg/L	0.50	3/27/2013
Cobalt	EPA 200.7	0.0024	mg/L	0.0020	3/27/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	3/27/2013
Iron	EPA 200.7	1.4	mg/L	0.010	3/27/2013
Lithium	EPA 200.7	0.042	mg/L	0.020	3/27/2013
Magnesium	EPA 200.7	0.60	mg/L	0.25	3/27/2013
Manganese	EPA 200.7	0.036	mg/L	0.0050	3/27/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	3/27/2013
Phosphorus	EPA 200.7	0.43	mg/L	0.10	3/27/2013
Potassium	EPA 200.7	3.3	mg/L	0.50	3/27/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	3/27/2013
Silicon	EPA 200.7	18	mg/L	0.10	3/27/2013
Sodium	EPA 200.7	200	mg/L	0.50	3/27/2013
Strontium	EPA 200.7	0.072	mg/L	0.0020	3/27/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	3/27/2013
Titanium	EPA 200.7	0.069	mg/L	0.0050	3/27/2013
Vanadium	EPA 200.7	0.016	mg/L	0.010	3/27/2013
Zinc	EPA 200.7	0.053	mg/L	0.010	3/27/2013
Antimony	EPA 200.8	0.18	mg/L	0.025	3/28/2013
Arsenic	EPA 200.8	1.7	mg/L	0.050	3/28/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	3/28/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	3/28/2013
Chromium	EPA 200.8	0.0014	mg/L	0.0010	3/28/2013
Copper	EPA 200.8	0.051	mg/L	0.0025	3/28/2013
Lead	EPA 200.8	0.22	mg/L	0.025	3/28/2013
Nickel	EPA 200.8	0.0050	mg/L	0.0010	3/28/2013

Customer Sample ID: 63322 25 Mar 13**Collect Date/Time:** 3/25/2013 11:45**WETLAB Sample ID:** 1303472-003**Receive Date:** 3/25/2013 12:40

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Selenium	EPA 200.8	0.0065	mg/L	0.0050	3/28/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	3/28/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	3/28/2013
Uranium	EPA 200.8	0.048	mg/L	0.0050	3/28/2013
Mercury	EPA 245.1	<0.00010	mg/L	0.00010	3/29/2013
Anions	Calculation	9.68	meq/L	0.10	
Cations	Calculation	9.42	meq/L	0.10	
Error	Calculation	1.4	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13030832	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13030854	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13030854	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13030872	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13030872	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13030872	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13030873	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13030873	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13030873	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13030876	Blank 1	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030876	Blank 2	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030876	Blank 3	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13030877	Blank 1	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13030877	Blank 2	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13030883	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13030883	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13030883	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13030887	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13030887	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13030888	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13030888	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13030889	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030889	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13030892	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030892	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030892	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13030918	Blank 1	Aluminum	EPA 200.7	<0.045	mg/L
		Barium	EPA 200.7	<0.010	mg/L
		Bismuth	EPA 200.7	<0.10	mg/L
		Boron	EPA 200.7	<0.100	mg/L
		Calcium	EPA 200.7	<0.50	mg/L
		Cobalt	EPA 200.7	<0.010	mg/L
		Gallium	EPA 200.7	<0.10	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.10	mg/L
		Magnesium	EPA 200.7	<0.50	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.010	mg/L
		Phosphorus	EPA 200.7	<0.50	mg/L
		Potassium	EPA 200.7	<0.50	mg/L
		Scandium	EPA 200.7	<0.10	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.10	mg/L
		Tin	EPA 200.7	<0.10	mg/L
		Titanium	EPA 200.7	<0.10	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC13030958	Blank 1	Zinc	EPA 200.7	<0.010	mg/L
		Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0050	mg/L
		Beryllium	EPA 200.8	<0.0010	mg/L
		Cadmium	EPA 200.8	<0.0010	mg/L
		Chromium	EPA 200.8	<0.0050	mg/L
		Copper	EPA 200.8	<0.0050	mg/L
		Lead	EPA 200.8	<0.0025	mg/L
		Nickel	EPA 200.8	<0.0100	mg/L
		Selenium	EPA 200.8	<0.0050	mg/L
		Silver	EPA 200.8	<0.0050	mg/L
		Thallium	EPA 200.8	<0.0010	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC13030962	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13030962	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13031005	Blank 1	Mercury	EPA 245.1	<0.00010	mg/L
QC13031005	Blank 2	Mercury	EPA 245.1	<0.00010	mg/L
QC13031006	Blank 1	Mercury	EPA 245.1	<0.00010	mg/L
QC13031006	Blank 2	Mercury	EPA 245.1	<0.00010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13030825	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13030825	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13030825	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13030831	LCS 1	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13030831	LCS 2	Total Alkalinity	SM 2320B	99.8	100	100	mg/L
QC13030831	LCS 3	Total Alkalinity	SM 2320B	109	100	109	mg/L
QC13030831	LCS 4	Total Alkalinity	SM 2320B	110	100	110	mg/L
QC13030832	LCS 1	Electrical Conductivity	SM 2510B	1452	1412	103	µmhos/cm
QC13030839	LCS 1	Redox Potential	SM 2580B	218	221	99	mV
QC13030855	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.988	1.00	99	mg/L
QC13030855	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.865	1.00	86	mg/L
QC13030872	LCS 1	Fluoride	EPA 300.0	1.90	2.00	95	mg/L
QC13030873	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC13030876	LCS 1	WAD Cyanide	SM 4500CNI	0.090	0.100	89	mg/L
QC13030877	LCS 1	Total Cyanide	SM 4500CNC	0.098	0.100	98	mg/L
QC13030883	LCS 1	Sulfate	EPA 300.0	24.3	25.0	97	mg/L
QC13030887	LCS 1	Nitrite Nitrogen	EPA 300.0	0.501	0.500	100	mg/L
QC13030888	LCS 1	Nitrate Nitrogen	EPA 300.0	0.469	0.500	94	mg/L
QC13030889	LCS 1	Cyanate	SM 4500 CNL	1.09	1.00	109	mg/L
QC13030892	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.692	0.690	100	mg/L
QC13030918	LCS 1	Aluminum	EPA 200.7	0.916	1.00	92	mg/L
		Barium	EPA 200.7	0.956	1.00	96	mg/L
		Bismuth	EPA 200.7	0.976	1.00	98	mg/L
		Boron	EPA 200.7	0.953	1.00	95	mg/L
		Calcium	EPA 200.7	9.79	10.0	98	mg/L
		Cobalt	EPA 200.7	0.972	1.00	97	mg/L
		Gallium	EPA 200.7	0.934	1.00	93	mg/L
		Iron	EPA 200.7	0.972	1.00	97	mg/L
		Lithium	EPA 200.7	0.923	1.00	92	mg/L
		Magnesium	EPA 200.7	9.69	10.0	97	mg/L
		Manganese	EPA 200.7	0.961	1.00	96	mg/L
		Molybdenum	EPA 200.7	0.972	1.00	97	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
QC13030958	LCS 1	Phosphorus	EPA 200.7	4.99	5.00	100	mg/L	
		Potassium	EPA 200.7	9.37	10.0	94	mg/L	
		Scandium	EPA 200.7	0.956	1.00	96	mg/L	
		Silicon	EPA 200.7	9.46	10.0	95	mg/L	
		Sodium	EPA 200.7	9.55	10.0	96	mg/L	
		Strontium	EPA 200.7	0.925	1.00	92	mg/L	
		Tin	EPA 200.7	1.01	1.00	101	mg/L	
		Titanium	EPA 200.7	0.975	1.00	98	mg/L	
		Vanadium	EPA 200.7	0.948	1.00	95	mg/L	
		Zinc	EPA 200.7	1.02	1.00	102	mg/L	
		Antimony	EPA 200.8	0.0097	0.010	97	mg/L	
		Arsenic	EPA 200.8	0.0515	0.050	103	mg/L	
		Beryllium	EPA 200.8	0.0114	0.010	114	mg/L	
		Cadmium	EPA 200.8	0.0103	0.010	103	mg/L	
		Chromium	EPA 200.8	0.0100	0.010	100	mg/L	
		Copper	EPA 200.8	0.0101	0.010	101	mg/L	
		Lead	EPA 200.8	0.0096	0.010	96	mg/L	
		Nickel	EPA 200.8	0.0102	0.010	102	mg/L	
		Selenium	EPA 200.8	0.0481	0.050	96	mg/L	
		Silver	EPA 200.8	0.0098	0.010	98	mg/L	
		Thallium	EPA 200.8	0.0096	0.010	96	mg/L	
		Uranium	EPA 200.8	0.0095	0.010	95	mg/L	
QC13030962	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	153	150	102	mg/L	
QC13030962	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L	
QC13031005	LCS 1	Mercury	EPA 245.1	0.004410	0.005	88	mg/L	
QC13031006	LCS 1	Mercury	EPA 245.1	0.004410	0.005	88	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13030825	Duplicate	pH	SM 4500-H+ B	1303472-001	8.68	8.68	pH Units	<1%
QC13030825	Duplicate	pH	SM 4500-H+ B	1303472-002	8.81	8.82	pH Units	<1%
QC13030825	Duplicate	pH	SM 4500-H+ B	1303472-003	8.76	8.77	pH Units	<1%
QC13030825	Duplicate	pH	SM 4500-H+ B	1303473-001	7.51	7.50	pH Units	<1%
QC13030825	Duplicate	pH	SM 4500-H+ B	1303473-003	6.43	6.43	pH Units	<1%
QC13030825	Duplicate	pH	SM 4500-H+ B	1303473-013	7.19	6.77	pH Units	6 %
QC13030831	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303472-001	372	377	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1303472-001	16.6	15.4	mg/L	8 %
		Hydroxide (OH)	SM 2320B	1303472-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303472-001	333	334	mg/L as CaCO3	<1%
QC13030831	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303472-002	407	406	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1303472-002	24.9	25.4	mg/L	2 %
		Hydroxide (OH)	SM 2320B	1303472-002	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303472-002	375	375	mg/L as CaCO3	<1%
QC13030831	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303472-003	478	477	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1303472-003	25.6	26.0	mg/L	2 %
		Hydroxide (OH)	SM 2320B	1303472-003	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303472-003	434	434	mg/L as CaCO3	<1%
QC13030831	Duplicate	Bicarbonate (HCO3)	SM 2320B	1303473-001	31.8	26.8	mg/L	17 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13030831	Duplicate	Carbonate (CO3)	SM 2320B	1303473-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1303473-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303473-001	26.1	22.0	mg/L as CaCO3	17 %
		Bicarbonate (HCO3)	SM 2320B	1303473-003	32.8	32.4	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1303473-003	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1303473-003	<1.000	<1.000	mg/L	<1%
QC13030831	Duplicate	Total Alkalinity	SM 2320B	1303473-003	26.9	26.6	mg/L as CaCO3	1 %
		Bicarbonate (HCO3)	SM 2320B	1303473-013	97.8	92.1	mg/L	6 %
		Carbonate (CO3)	SM 2320B	1303473-013	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1303473-013	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1303473-013	80.2	75.5	mg/L as CaCO3	6 %
QC13030832	Duplicate	Electrical Conductivity	SM 2510B	1303472-001	727	735	µmhos/cm	1 %
QC13030832	Duplicate	Electrical Conductivity	SM 2510B	1303476-008	6.49	6.73	µmhos/cm	4 %
QC13030839	Duplicate	Redox Potential	SM 2580B	1303472-001	<0.000	<0.000	mV	<1%
QC13030889	Duplicate	Cyanate	SM 4500 CNL	1303472-003	0.409	0.347	mg/L	16 %
QC13030962	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303419-001	60.0	57.0	mg/L	5 %
QC13030962	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303440-001	1018	1038	mg/L	2 %
QC13030962	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303462-004	811	819	mg/L	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13030854	MS 1	Thiocyanate	SM 4500 CN	1303472-001	0.369	0.869	0.828	0.500	mg/L	100	92	5 %
QC13030855	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1303370-001	0.227	1.17	1.12	1.00	mg/L	94	89	4 %
QC13030855	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1303442-002	0.107	0.961	0.941	1.00	mg/L	85	83	2 %
QC13030872	MS 1	Fluoride	EPA 300.0	1303473-003	0.407	2.43	2.53	2.00	mg/L	101	106	4 %
QC13030872	MS 2	Fluoride	EPA 300.0	1303473-012	0.476	2.38	2.40	2.00	mg/L	95	96	1 %
QC13030873	MS 1	Chloride	EPA 300.0	1303473-003	3.04	8.32	8.55	5.00	mg/L	106	110	3 %
QC13030873	MS 2	Chloride	EPA 300.0	1303473-012	3.28	8.63	8.78	5.00	mg/L	107	110	2 %
QC13030876	MS 1	WAD Cyanide	SM 4500CNI	1303472-001	<0.050	0.124	0.126	0.100	mg/L	93	94	2 %
QC13030876	MS 2	WAD Cyanide	SM 4500CNI	1303437-001	<0.050	M 0.023	0.024	0.100	mg/L	NC	NC	NC
QC13030877	MS 1	Total Cyanide	SM 4500CNC	1303472-002	0.054	0.163	0.162	0.100	mg/L	109	109	1 %
QC13030883	MS 1	Sulfate	EPA 300.0	1303473-003	11.4	21.2	21.7	10.0	mg/L	98	102	2 %
QC13030883	MS 2	Sulfate	EPA 300.0	1303473-012	11.5	21.5	21.8	10.0	mg/L	101	103	1 %
QC13030887	MS 1	Nitrite Nitrogen	EPA 300.0	1303472-001	<0.010	0.245	0.251	0.250	mg/L	95	97	2 %
QC13030888	MS 1	Nitrate Nitrogen	EPA 300.0	1303472-001	0.099	1.01	1.02	1.00	mg/L	91	92	1 %
QC13030892	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1303440-001	<0.200	0.789	0.771	0.690	mg/L	101	99	2 %
QC13030892	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1303450-001	<0.200	0.793	0.709	0.690	mg/L	109	97	11 %
QC13030918	MS 1	Aluminum	EPA 200.7	1303397-003	0.054	1.00	0.976	1.00	mg/L	95	92	2 %
		Barium	EPA 200.7	1303397-003	<0.010	0.992	0.960	1.00	mg/L	99	96	3 %
		Bismuth	EPA 200.7	1303397-003	<0.100	0.978	0.970	1.00	mg/L	98	97	1 %
		Boron	EPA 200.7	1303397-003	<0.100	0.982	0.949	1.00	mg/L	98	94	3 %
		Calcium	EPA 200.7	1303397-003	0.575	10.3	10.4	10.0	mg/L	97	98	1 %
		Cobalt	EPA 200.7	1303397-003	<0.010	1.01	0.973	1.00	mg/L	101	97	4 %
		Gallium	EPA 200.7	1303397-003	<0.100	0.947	0.918	1.00	mg/L	95	92	3 %
		Iron	EPA 200.7	1303397-003	0.280	1.24	1.25	1.00	mg/L	96	97	1 %
		Lithium	EPA 200.7	1303397-003	<0.100	0.881	0.881	1.00	mg/L	88	88	<1%
		Magnesium	EPA 200.7	1303397-003	<0.500	9.69	9.79	10.0	mg/L	96	97	1 %
		Manganese	EPA 200.7	1303397-003	0.020	0.989	0.957	1.00	mg/L	97	94	3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13030958	MS 1	Molybdenum	EPA 200.7	1303397-003	<0.010	0.988	0.968	1.00	mg/L	99	97	2 %
		Phosphorus	EPA 200.7	1303397-003	<0.500	5.24	5.12	5.00	mg/L	103	101	2 %
		Potassium	EPA 200.7	1303397-003	<0.500	9.34	9.46	10.0	mg/L	92	93	1 %
		Scandium	EPA 200.7	1303397-003	<0.100	0.948	0.945	1.00	mg/L	95	95	<1%
		Silicon	EPA 200.7	1303397-003	0.633	9.84	9.96	10.0	mg/L	92	93	1 %
		Sodium	EPA 200.7	1303397-003	12.8	20.7	20.8	10.0	mg/L	79	80	<1%
		Strontium	EPA 200.7	1303397-003	<0.100	0.925	0.959	1.00	mg/L	92	95	4 %
		Tin	EPA 200.7	1303397-003	<0.100	1.03	1.00	1.00	mg/L	103	100	3 %
		Titanium	EPA 200.7	1303397-003	<0.100	0.961	0.966	1.00	mg/L	96	96	1 %
		Vanadium	EPA 200.7	1303397-003	<0.010	0.981	0.952	1.00	mg/L	98	95	3 %
		Zinc	EPA 200.7	1303397-003	0.035	1.11	1.07	1.00	mg/L	108	104	4 %
		Antimony	EPA 200.8	1303397-003	<0.0025	0.0087	0.0087	0.010	mg/L	83	83	<1%
		Arsenic	EPA 200.8	1303397-003	<0.0050	0.0520	0.0532	0.050	mg/L	101	103	2 %
		Beryllium	EPA 200.8	1303397-003	<0.0010	0.0071	0.0068	0.010	mg/L	71	68	4 %
		Cadmium	EPA 200.8	1303397-003	<0.0010	0.0082	0.0083	0.010	mg/L	82	83	1 %
		Chromium	EPA 200.8	1303397-003	<0.0050	0.0070	0.0066	0.010	mg/L	70	66	6 %
		Copper	EPA 200.8	1303397-003	0.0111	0.0160	0.0153	0.010	mg/L	49	42	4 %
		Lead	EPA 200.8	1303397-003	0.0066	0.0170	0.0172	0.010	mg/L	104	106	1 %
		Nickel	EPA 200.8	1303397-003	<0.0100	<0.0100	<0.0100	0.010	mg/L	93	91	#Erro
		Selenium	EPA 200.8	1303397-003	<0.0050	0.0476	0.0489	0.050	mg/L	95	98	3 %
		Silver	EPA 200.8	1303397-003	<0.0050	0.0091	0.0093	0.010	mg/L	89	92	2 %
		Thallium	EPA 200.8	1303397-003	<0.0010	0.0101	0.0103	0.010	mg/L	101	103	2 %
		Uranium	EPA 200.8	1303397-003	<0.0050	0.0104	0.0107	0.010	mg/L	104	107	3 %
QC13031005	MS 1	Mercury	EPA 245.1	1303472-001	<0.00010	0.004810	0.004560	0.005	mg/L	95	90	5 %
QC13031006	MS 1	Mercury	EPA 245.1	1303472-002	<0.00010	0.004440	0.004880	0.005	mg/L	89	98	9 %

4/8/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1304011

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 4/1/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1304011

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Aluminum on sample 1304011-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Total Cyanide on sample 1304011-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 4/8/2013

OrderID: 1304011

Customer Sample ID: 63301 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-001

Receive Date: 4/1/2013 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.30	mg/L	0.10	4/2/2013
Cyanate	SM 4500 CNL	0.10 Q	mg/L	0.10	4/5/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	4/2/2013
pH	SM 4500-H+ B	8.70	pH Units		4/1/2013
Trace Metals Digestion	EPA 200.2	Complete			4/3/2013
Bicarbonate (HCO3)	SM 2320B	370	mg/L	1.0	4/1/2013
Carbonate (CO3)	SM 2320B	17	mg/L	1.0	4/1/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	4/1/2013
Total Alkalinity	SM 2320B	330	mg/L as CaCO3	1.0	4/1/2013
Redox Potential	SM 2580B	-98	mV		4/2/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	4/3/2013
Fluoride	EPA 300.0	0.98	mg/L	0.10	4/3/2013
Sulfate	EPA 300.0	67	mg/L	1.0	4/3/2013
Nitrate Nitrogen	EPA 300.0	0.082	mg/L	0.010	4/2/2013
Nitrite Nitrogen	EPA 300.0	0.028	mg/L	0.010	4/2/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.64	mg/L	0.20	4/3/2013
Total Nitrogen	Calc.	0.75	mg/L	0.20	4/3/2013
Total Cyanide	SM 4500CNC	0.031 M	mg/L	0.010	4/5/2013
Total Dissolved Solids (TDS)	SM 2540C	510	mg/L	10	4/2/2013
WAD Cyanide	SM 4500CNI	0.025	mg/L	0.010	4/3/2013
Electrical Conductivity	SM 2510B	740	µmhos/cm	1	4/4/2013
Aluminum	EPA 200.7	3.0 M	mg/L	0.045	4/3/2013
Barium	EPA 200.7	0.037	mg/L	0.010	4/3/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	4/3/2013
Boron	EPA 200.7	0.035	mg/L	0.020	4/3/2013
Calcium	EPA 200.7	7.6	mg/L	0.500	4/3/2013
Cobalt	EPA 200.7	<0.0020	mg/L	0.0020	4/3/2013

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Customer Sample ID: 63301 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-001

Receive Date: 4/1/2013 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Gallium	EPA 200.7	<0.020	mg/L	0.020	4/3/2013
Iron	EPA 200.7	1.6	mg/L	0.010	4/3/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	4/3/2013
Magnesium	EPA 200.7	0.50	mg/L	0.50	4/3/2013
Manganese	EPA 200.7	0.052	mg/L	0.0050	4/3/2013
Molybdenum	EPA 200.7	0.0051	mg/L	0.0050	4/3/2013
Phosphorus	EPA 200.7	0.87	mg/L	0.50	4/3/2013
Potassium	EPA 200.7	3.0	mg/L	0.50	4/3/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	4/3/2013
Silicon	EPA 200.7	24	mg/L	0.10	4/3/2013
Sodium	EPA 200.7	160	SC mg/L	0.50	4/3/2013
Strontium	EPA 200.7	0.091	mg/L	0.0020	4/3/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	4/3/2013
Titanium	EPA 200.7	0.051	mg/L	0.0050	4/3/2013
Vanadium	EPA 200.7	0.035	mg/L	0.010	4/3/2013
Zinc	EPA 200.7	0.032	mg/L	0.010	4/3/2013
Antimony	EPA 200.8	0.51	SC mg/L	0.025	4/4/2013
Arsenic	EPA 200.8	3.5	SC mg/L	0.030	4/4/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	4/4/2013
Cadmium	EPA 200.8	<0.00090	mg/L	0.00090	4/4/2013
Chromium	EPA 200.8	0.0015	mg/L	0.0010	4/4/2013
Copper	EPA 200.8	0.0084	mg/L	0.0025	4/4/2013
Lead	EPA 200.8	0.25	SC mg/L	0.020	4/4/2013
Nickel	EPA 200.8	0.0037	mg/L	0.0010	4/4/2013
Selenium	EPA 200.8	0.014	mg/L	0.0020	4/4/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	4/4/2013
Thallium	EPA 200.8	<0.00040	mg/L	0.00040	4/4/2013
Uranium	EPA 200.8	0.050	mg/L	0.0050	4/4/2013
Mercury	EPA 245.1	<0.00010	mg/L	0.00010	4/4/2013
Anions	Calculation	8.08	meq/L	0.10	
Cations	Calculation	7.88	meq/L	0.10	
Error	Calculation	1.3	%	1.0	

Customer Sample ID: 63316 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-002

Receive Date: 4/1/2013 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	0.13	mg/L	0.10	4/5/2013

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Customer Sample ID: 63316 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-002

Receive Date: 4/1/2013 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.34	mg/L	0.10	4/2/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	4/2/2013
pH	SM 4500-H+ B	8.79	pH Units		4/1/2013
Trace Metals Digestion	EPA 200.2	Complete			4/3/2013
Bicarbonate (HCO3)	SM 2320B	390	mg/L	1.0	4/1/2013
Carbonate (CO3)	SM 2320B	26	mg/L	1.0	4/1/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	4/1/2013
Total Alkalinity	SM 2320B	370	mg/L as CaCO3	1.0	4/1/2013
Redox Potential	SM 2580B	-88	mV		4/2/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	4/3/2013
Fluoride	EPA 300.0	1.0	mg/L	0.10	4/3/2013
Sulfate	EPA 300.0	89	mg/L	1.0	4/3/2013
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	4/2/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	4/2/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.51	mg/L	0.20	4/3/2013
Total Nitrogen	Calc.	0.51	mg/L	0.20	4/3/2013
Total Cyanide	SM 4500CNC	0.049	mg/L	0.010	4/5/2013
Total Dissolved Solids (TDS)	SM 2540C	570	mg/L	10	4/2/2013
WAD Cyanide	SM 4500CNI	<0.010	mg/L	0.010	4/3/2013
Electrical Conductivity	SM 2510B	850	µmhos/cm	1	4/4/2013
Aluminum	EPA 200.7	2.0	mg/L	0.045	4/3/2013
Barium	EPA 200.7	0.022	mg/L	0.010	4/3/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	4/3/2013
Boron	EPA 200.7	<0.10	mg/L	0.10	4/3/2013
Calcium	EPA 200.7	5.3	mg/L	0.500	4/3/2013
Cobalt	EPA 200.7	<0.0020	mg/L	0.0020	4/3/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	4/3/2013
Iron	EPA 200.7	1.3	mg/L	0.010	4/3/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	4/3/2013
Magnesium	EPA 200.7	0.39	mg/L	0.25	4/3/2013
Manganese	EPA 200.7	0.032	mg/L	0.0050	4/3/2013
Molybdenum	EPA 200.7	0.0060	mg/L	0.0050	4/3/2013
Phosphorus	EPA 200.7	0.46	mg/L	0.10	4/3/2013
Potassium	EPA 200.7	3.5	mg/L	0.50	4/3/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	4/3/2013
Silicon	EPA 200.7	18	mg/L	0.10	4/3/2013
Sodium	EPA 200.7	200	mg/L	0.50	4/3/2013
Strontium	EPA 200.7	<0.10	mg/L	0.10	4/3/2013

Customer Sample ID: 63316 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-002

Receive Date: 4/1/2013 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Tin	EPA 200.7	<0.10	mg/L	0.10	4/3/2013
Titanium	EPA 200.7	<0.10	mg/L	0.10	4/3/2013
Vanadium	EPA 200.7	0.022	mg/L	0.010	4/3/2013
Zinc	EPA 200.7	0.034	mg/L	0.010	4/3/2013
Antimony	EPA 200.8	0.50	mg/L	0.025	4/4/2013
Arsenic	EPA 200.8	2.9	mg/L	0.030	4/4/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	4/4/2013
Cadmium	EPA 200.8	<0.00090	mg/L	0.00090	4/4/2013
Chromium	EPA 200.8	0.0011	mg/L	0.0010	4/4/2013
Copper	EPA 200.8	0.020	mg/L	0.0025	4/4/2013
Lead	EPA 200.8	0.20	mg/L	0.020	4/4/2013
Nickel	EPA 200.8	0.0033	mg/L	0.0010	4/4/2013
Selenium	EPA 200.8	0.010	mg/L	0.0020	4/4/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	4/4/2013
Thallium	EPA 200.8	<0.00040	mg/L	0.00040	4/4/2013
Uranium	EPA 200.8	0.054	mg/L	0.0050	4/4/2013
Mercury	EPA 245.1	0.00010	mg/L	0.00010	4/4/2013
Anions	Calculation	9.16	meq/L	0.10	
Cations	Calculation	9.35	meq/L	0.10	
Error	Calculation	<1.0	%	1.0	

Customer Sample ID: 63322 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-003

Receive Date: 4/1/2013 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	0.15	mg/L	0.10	4/5/2013
Thiocyanate	SM 4500 CNM	0.48	mg/L	0.10	4/2/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	4/2/2013
pH	SM 4500-H+ B	8.75	pH Units		4/1/2013
Trace Metals Digestion	EPA 200.2	Complete			4/3/2013
Bicarbonate (HCO3)	SM 2320B	460	mg/L	1.0	4/1/2013
Carbonate (CO3)	SM 2320B	25	mg/L	1.0	4/1/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	4/1/2013
Total Alkalinity	SM 2320B	420	mg/L as CaCO3	1.0	4/1/2013
Redox Potential	SM 2580B	-128	mV		4/2/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	4/3/2013
Fluoride	EPA 300.0	0.60	mg/L	0.10	4/3/2013
Sulfate	EPA 300.0	48	mg/L	1.0	4/3/2013

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Customer Sample ID: 63322 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-003

Receive Date: 4/1/2013 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrate Nitrogen	EPA 300.0	0.011	mg/L	0.010	4/2/2013
Nitrite Nitrogen	EPA 300.0	0.042	mg/L	0.010	4/2/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.40	mg/L	0.20	4/3/2013
Total Nitrogen	Calc.	0.45	mg/L	0.20	4/3/2013
Total Cyanide	SM 4500CNC	0.041	mg/L	0.010	4/4/2013
Total Dissolved Solids (TDS)	SM 2540C	560	mg/L	10	4/2/2013
WAD Cyanide	SM 4500CNI	0.024	mg/L	0.010	4/3/2013
Electrical Conductivity	SM 2510B	860	µmhos/cm	1	4/4/2013
Aluminum	EPA 200.7	2.1	mg/L	0.045	4/3/2013
Barium	EPA 200.7	0.029	mg/L	0.010	4/3/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	4/3/2013
Boron	EPA 200.7	0.060	mg/L	0.020	4/3/2013
Calcium	EPA 200.7	5.8	mg/L	0.500	4/3/2013
Cobalt	EPA 200.7	0.0023	mg/L	0.0020	4/3/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	4/3/2013
Iron	EPA 200.7	1.4	mg/L	0.010	4/3/2013
Lithium	EPA 200.7	0.044	mg/L	0.020	4/3/2013
Magnesium	EPA 200.7	0.61	mg/L	0.50	4/3/2013
Manganese	EPA 200.7	0.035	mg/L	0.0050	4/3/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	4/3/2013
Phosphorus	EPA 200.7	0.39	mg/L	0.10	4/3/2013
Potassium	EPA 200.7	3.1	mg/L	0.50	4/3/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	4/3/2013
Silicon	EPA 200.7	18	mg/L	0.10	4/3/2013
Sodium	EPA 200.7	200	mg/L	0.50	4/3/2013
Strontium	EPA 200.7	0.071	mg/L	0.0020	4/3/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	4/3/2013
Titanium	EPA 200.7	0.074	mg/L	0.0050	4/3/2013
Vanadium	EPA 200.7	0.016	mg/L	0.010	4/3/2013
Zinc	EPA 200.7	0.042	mg/L	0.010	4/3/2013
Antimony	EPA 200.8	0.22	mg/L	0.025	4/4/2013
Arsenic	EPA 200.8	1.8	mg/L	0.030	4/4/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	4/4/2013
Cadmium	EPA 200.8	<0.00090	mg/L	0.00090	4/4/2013
Chromium	EPA 200.8	0.0020	mg/L	0.0010	4/4/2013
Copper	EPA 200.8	0.049	mg/L	0.0025	4/4/2013
Lead	EPA 200.8	0.20	mg/L	0.020	4/4/2013
Nickel	EPA 200.8	0.0041	mg/L	0.0010	4/4/2013

Customer Sample ID: 63322 1 Apr 13**Collect Date/Time:** 4/1/2013 11:30**WETLAB Sample ID:** 1304011-003**Receive Date:** 4/1/2013 12:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Selenium	EPA 200.8	0.0067	mg/L	0.0020	4/4/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	4/4/2013
Thallium	EPA 200.8	<0.00040	mg/L	0.00040	4/4/2013
Uranium	EPA 200.8	0.045	mg/L	0.0050	4/4/2013
Mercury	EPA 245.1	<0.00010	mg/L	0.00010	4/4/2013
Anions	Calculation	9.40	meq/L	0.10	
Cations	Calculation	9.43	meq/L	0.10	
Error	Calculation	<1.0	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13040081	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13040081	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13040081	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13040081	Blank 4	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13040081	Blank 5	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13040085	Blank 1	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13040085	Blank 2	Thiocyanate	SM 4500 CNM	<0.10	mg/L
QC13040091	Blank 1	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13040091	Blank 2	Nitrite Nitrogen	EPA 300.0	<0.025	mg/L
QC13040092	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13040092	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13040104	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13040104	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13040107	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13040107	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13040116	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13040116	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13040128	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13040128	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13040128	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13040128	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13040128	Blank 5	Total Kjeldahl Nitrogen	EPA 351.2	<0.10	mg/L
QC13040130	Blank 1	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13040130	Blank 2	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13040130	Blank 3	WAD Cyanide	SM 4500CNI	<0.050	mg/L
QC13040143	Blank 1	Aluminum	EPA 200.7	<0.020	mg/L
		Barium	EPA 200.7	<0.0010	mg/L
		Bismuth	EPA 200.7	<0.075	mg/L
		Boron	EPA 200.7	<0.020	mg/L
		Calcium	EPA 200.7	<0.500	mg/L
		Cobalt	EPA 200.7	<0.0020	mg/L
		Gallium	EPA 200.7	<0.020	mg/L
		Iron	EPA 200.7	<0.010	mg/L
		Lithium	EPA 200.7	<0.020	mg/L
		Magnesium	EPA 200.7	<0.25	mg/L
		Manganese	EPA 200.7	<0.0050	mg/L
		Molybdenum	EPA 200.7	<0.0050	mg/L
		Phosphorus	EPA 200.7	<0.10	mg/L
		Potassium	EPA 200.7	<0.25	mg/L
		Scandium	EPA 200.7	<0.0010	mg/L
		Silicon	EPA 200.7	<0.10	mg/L
		Sodium	EPA 200.7	<0.50	mg/L
		Strontium	EPA 200.7	<0.0020	mg/L
		Tin	EPA 200.7	<0.010	mg/L
		Titanium	EPA 200.7	<0.0050	mg/L
		Vanadium	EPA 200.7	<0.010	mg/L
		Zinc	EPA 200.7	<0.010	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
QC13040171	Blank 1	Mercury	EPA 245.1	<0.00010	mg/L
QC13040171	Blank 2	Mercury	EPA 245.1	<0.00010	mg/L
QC13040175	Blank 1	Antimony	EPA 200.8	<0.0025	mg/L
		Arsenic	EPA 200.8	<0.0030	mg/L
		Beryllium	EPA 200.8	<0.00035	mg/L
		Cadmium	EPA 200.8	<0.00090	mg/L
		Chromium	EPA 200.8	<0.0010	mg/L
		Copper	EPA 200.8	<0.0025	mg/L
		Lead	EPA 200.8	<0.0020	mg/L
		Nickel	EPA 200.8	<0.0010	mg/L
		Selenium	EPA 200.8	<0.0020	mg/L
		Silver	EPA 200.8	<0.0015	mg/L
		Thallium	EPA 200.8	<0.00040	mg/L
		Uranium	EPA 200.8	<0.0050	mg/L
QC13040178	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13040178	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13040178	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	<10	mg/L
QC13040189	Blank 1	Electrical Conductivity	SM 2510B	<1	µmhos/cm
QC13040193	Blank 1	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13040193	Blank 2	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13040226	Blank 1	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13040226	Blank 2	Total Cyanide	SM 4500CNC	<0.050	mg/L
QC13040251	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13040251	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13040067	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040067	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040067	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040067	LCS 4	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040070	LCS 1	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13040070	LCS 2	Total Alkalinity	SM 2320B	99.0	100	99	mg/L
QC13040070	LCS 3	Total Alkalinity	SM 2320B	99.1	100	99	mg/L
QC13040070	LCS 4	Total Alkalinity	SM 2320B	99.0	100	99	mg/L
QC13040070	LCS 5	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13040081	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.924	1.00	92	mg/L
QC13040081	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.890	1.00	89	mg/L
QC13040091	LCS 1	Nitrite Nitrogen	EPA 300.0	0.484	0.500	97	mg/L
QC13040092	LCS 1	Nitrate Nitrogen	EPA 300.0	0.532	0.500	106	mg/L
QC13040098	LCS 1	Redox Potential	SM 2580B	216	221	98	mV
QC13040104	LCS 1	Fluoride	EPA 300.0	1.85	2.00	93	mg/L
QC13040107	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC13040116	LCS 1	Sulfate	EPA 300.0	24.5	25.0	98	mg/L
QC13040128	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.668	0.690	97	mg/L
QC13040128	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.646	0.690	94	mg/L
QC13040130	LCS 1	WAD Cyanide	SM 4500CNI	0.093	0.100	93	mg/L
QC13040143	LCS 1	Aluminum	EPA 200.7	0.960	1.00	96	mg/L
		Barium	EPA 200.7	0.955	1.00	96	mg/L
		Bismuth	EPA 200.7	0.969	1.00	97	mg/L
		Boron	EPA 200.7	0.973	1.00	97	mg/L
		Calcium	EPA 200.7	9.67	10.0	97	mg/L
		Cobalt	EPA 200.7	0.963	1.00	96	mg/L
		Gallium	EPA 200.7	0.962	1.00	96	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Iron	EPA 200.7	0.949	1.00	95	mg/L	
		Lithium	EPA 200.7	0.964	1.00	96	mg/L	
		Magnesium	EPA 200.7	9.32	10.0	93	mg/L	
		Manganese	EPA 200.7	0.975	1.00	98	mg/L	
		Molybdenum	EPA 200.7	0.918	1.00	92	mg/L	
		Phosphorus	EPA 200.7	4.70	5.00	94	mg/L	
		Potassium	EPA 200.7	9.63	10.0	96	mg/L	
		Scandium	EPA 200.7	0.963	1.00	96	mg/L	
		Silicon	EPA 200.7	9.22	10.0	92	mg/L	
		Sodium	EPA 200.7	9.79	10.0	98	mg/L	
		Strontium	EPA 200.7	0.922	1.00	92	mg/L	
		Tin	EPA 200.7	0.946	1.00	95	mg/L	
		Titanium	EPA 200.7	0.973	1.00	97	mg/L	
		Vanadium	EPA 200.7	0.955	1.00	96	mg/L	
		Zinc	EPA 200.7	0.961	1.00	96	mg/L	
QC13040171	LCS 1	Mercury	EPA 245.1	0.004610	0.005	92	mg/L	
QC13040175	LCS 1	Antimony	EPA 200.8	0.0096	0.010	96	mg/L	
		Arsenic	EPA 200.8	0.0523	0.050	105	mg/L	
		Beryllium	EPA 200.8	0.0103	0.010	103	mg/L	
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L	
		Chromium	EPA 200.8	0.0103	0.010	103	mg/L	
		Copper	EPA 200.8	0.0103	0.010	103	mg/L	
		Lead	EPA 200.8	0.0098	0.010	98	mg/L	
		Nickel	EPA 200.8	0.0101	0.010	101	mg/L	
		Selenium	EPA 200.8	0.0476	0.050	95	mg/L	
		Silver	EPA 200.8	0.0094	0.010	94	mg/L	
		Thallium	EPA 200.8	0.0098	0.010	98	mg/L	
		Uranium	EPA 200.8	0.0097	0.010	97	mg/L	
QC13040178	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L	
QC13040178	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	157	150	105	mg/L	
QC13040178	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L	
QC13040189	LCS 1	Electrical Conductivity	SM 2510B	1417	1412	100	µmhos/cm	
QC13040189	LCS 2	Electrical Conductivity	SM 2510B	1404	1412	99	µmhos/cm	
QC13040193	LCS 1	Total Cyanide	SM 4500CNC	0.096	0.100	96	mg/L	
QC13040226	LCS 1	Total Cyanide	SM 4500CNC	0.096	0.100	96	mg/L	
QC13040251	LCS 1	Cyanate	SM 4500 CNL	1.08	1.00	108	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13040067	Duplicate	pH	SM 4500-H+ B	1304004-001	5.61	5.60	pH Units	<1%
QC13040067	Duplicate	pH	SM 4500-H+ B	1304005-006	7.40	7.40	pH Units	<1%
QC13040067	Duplicate	pH	SM 4500-H+ B	1304011-002	8.79	8.79	pH Units	<1%
QC13040067	Duplicate	pH	SM 4500-H+ B	1304011-003	8.75	8.76	pH Units	<1%
QC13040067	Duplicate	pH	SM 4500-H+ B	1304017-001	7.22	7.28	pH Units	1 %
QC13040067	Duplicate	pH	SM 4500-H+ B	1304017-002	7.65	7.56	pH Units	1 %
QC13040067	Duplicate	pH	SM 4500-H+ B	1304017-004	6.35	6.36	pH Units	<1%
QC13040070	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304004-001	4.80	4.30	mg/L	11 %
		Carbonate (CO3)	SM 2320B	1304004-001	<1.000	<1.000	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304004-001	<1.000	<1.000	mg/L	<1%
		Total Alkalinity	SM 2320B	1304004-001	3.94	3.53	mg/L as CaCO3	11 %

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD				
QC13040070	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304005-006	368	370	mg/L	1 %				
		Carbonate (CO3)	SM 2320B	1304005-006	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1304005-006	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1304005-006	302	303	mg/L as CaCO3	1 %				
QC13040070	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304011-002	394	396	mg/L	1 %				
		Carbonate (CO3)	SM 2320B	1304011-002	26.0	25.1	mg/L	4 %				
		Hydroxide (OH)	SM 2320B	1304011-002	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1304011-002	366	366	mg/L as CaCO3	<1%				
QC13040070	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304011-003	457	455	mg/L	<1%				
		Carbonate (CO3)	SM 2320B	1304011-003	24.5	25.2	mg/L	3 %				
		Hydroxide (OH)	SM 2320B	1304011-003	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1304011-003	415	415	mg/L as CaCO3	<1%				
QC13040070	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304017-001	33.0	32.9	mg/L	<1%				
		Carbonate (CO3)	SM 2320B	1304017-001	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1304017-001	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1304017-001	27.0	27.0	mg/L as CaCO3	<1%				
QC13040070	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304017-002	58.3	56.9	mg/L	2 %				
		Carbonate (CO3)	SM 2320B	1304017-002	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1304017-002	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1304017-002	47.8	46.6	mg/L as CaCO3	2 %				
QC13040070	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304017-004	3.21	2.83	mg/L	13 %				
		Carbonate (CO3)	SM 2320B	1304017-004	<1.000	<1.000	mg/L	<1%				
		Hydroxide (OH)	SM 2320B	1304017-004	<1.000	<1.000	mg/L	<1%				
		Total Alkalinity	SM 2320B	1304017-004	2.63	2.32	mg/L as CaCO3	13 %				
QC13040098	Duplicate	Redox Potential	SM 2580B	1304015-003	179	181	mV	1 %				
QC13040098	Duplicate	Redox Potential	SM 2580B	1304015-011	358	361	mV	1 %				
QC13040178	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303532-001	484	438	Q mg/L	10 %				
QC13040178	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303533-001	100	99.0	mg/L	1 %				
QC13040178	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303567-006	80.0	84.0	mg/L	5 %				
QC13040178	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303594-008	343	346	mg/L	1 %				
QC13040178	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304005-002	210	212	mg/L	1 %				
QC13040178	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304010-002	297	305	mg/L	3 %				
QC13040189	Duplicate	Electrical Conductivity	SM 2510B	1304015-001	34.1	34.2	µmhos/cm	<1%				
QC13040189	Duplicate	Electrical Conductivity	SM 2510B	1304015-011	160	160	µmhos/cm	<1%				
QC13040189	Duplicate	Electrical Conductivity	SM 2510B	1304005-004	500	497	µmhos/cm	1 %				
QC13040189	Duplicate	Electrical Conductivity	SM 2510B	1304034-005	278	276	µmhos/cm	1 %				
QC13040189	Duplicate	Electrical Conductivity	SM 2510B	1304047-010	7420	7345	µmhos/cm	1 %				
QC13040251	Duplicate	Cyanate	SM 4500 CNL	1304011-001	0.101	0.128	Q mg/L	23 %				
QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13040081	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1303431-001	<0.050	0.928	0.853	1.00	mg/L	93	85	8 %
QC13040081	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1303431-009	<0.050	0.882	0.905	1.00	mg/L	88	90	3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13040081	MS 3	Ammonia, as Nitrogen	SM 4500 NH3	1303544-002	0.302	1.11	1.15	1.00	mg/L	81	85	4 %
QC13040081	MS 4	Ammonia, as Nitrogen	SM 4500 NH3	1303545-001	<0.050	0.815	0.842	1.00	mg/L	81	84	3 %
QC13040085	MS 1	Thiocyanate	SM 4500 CN	1304011-001	0.305	0.750	0.756	0.500	mg/L	89	90	1 %
QC13040091	MS 1	Nitrite Nitrogen	EPA 300.0	1304018-001	<0.010	0.236	0.248	0.250	mg/L	92	97	5 %
QC13040092	MS 1	Nitrate Nitrogen	EPA 300.0	1304018-001	0.013	0.963	0.997	1.00	mg/L	95	98	3 %
QC13040104	MS 1	Fluoride	EPA 300.0	1304017-018	<0.100	1.97	2.00	2.00	mg/L	98	99	2 %
QC13040107	MS 1	Chloride	EPA 300.0	1304017-018	<1.000	5.47	5.52	5.00	mg/L	109	110	1 %
QC13040116	MS 1	Sulfate	EPA 300.0	1304017-018	57.1	67.2	67.3	10.0	mg/L	100	101	<1%
QC13040128	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1304002-001	0.297	0.929	0.934	0.690	mg/L	92	92	1 %
QC13040128	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1304005-004	<0.200	0.723	0.707	0.690	mg/L	95	93	2 %
QC13040128	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1304018-001	0.221	0.898	0.862	0.690	mg/L	98	93	4 %
QC13040128	MS 4	Total Kjeldahl Nitrogen	EPA 351.2	1304018-011	1.86	M 2.27	2.34	0.690	mg/L	NC	NC	NC
QC13040130	MS 1	WAD Cyanide	SM 4500CNI	1304005-001	<0.050	0.103	0.086	0.100	mg/L	103	86	18 %
QC13040130	MS 2	WAD Cyanide	SM 4500CNI	1304007-002	<0.050	0.089	0.093	0.100	mg/L	88	92	4 %
QC13040143	MS 1	Aluminum	EPA 200.7	1304011-001	2.97	M 4.39	4.35	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1304011-001	0.037	0.991	0.973	1.00	mg/L	95	94	2 %
		Bismuth	EPA 200.7	1304011-001	<0.075	0.996	0.994	1.00	mg/L	98	98	<1%
		Boron	EPA 200.7	1304011-001	0.035	1.02	1.01	1.00	mg/L	99	98	1 %
		Calcium	EPA 200.7	1304011-001	7.63	18.1	17.7	10.0	mg/L	105	101	2 %
		Cobalt	EPA 200.7	1304011-001	<0.002	0.945	0.926	1.00	mg/L	94	92	2 %
		Gallium	EPA 200.7	1304011-001	<0.020	0.893	0.893	1.00	mg/L	89	89	<1%
		Iron	EPA 200.7	1304011-001	1.63	2.71	2.67	1.00	mg/L	108	104	1 %
		Lithium	EPA 200.7	1304011-001	<0.020	0.896	0.907	1.00	mg/L	89	90	1 %
		Magnesium	EPA 200.7	1304011-001	0.505	10.0	9.92	10.0	mg/L	95	94	1 %
		Manganese	EPA 200.7	1304011-001	0.052	1.02	0.992	1.00	mg/L	97	94	3 %
		Molybdenum	EPA 200.7	1304011-001	0.005	0.937	0.922	1.00	mg/L	93	92	2 %
		Phosphorus	EPA 200.7	1304011-001	0.871	5.77	5.65	5.00	mg/L	98	96	2 %
		Potassium	EPA 200.7	1304011-001	3.04	12.7	12.8	10.0	mg/L	97	98	1 %
		Scandium	EPA 200.7	1304011-001	<0.001	0.963	0.963	1.00	mg/L	96	96	<1%
		Silicon	EPA 200.7	1304011-001	24.3	36.0	35.7	10.0	mg/L	117	114	1 %
		Sodium	EPA 200.7	1304011-001	161	SC 175	179	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1304011-001	0.091	1.03	1.06	1.00	mg/L	94	97	3 %
		Tin	EPA 200.7	1304011-001	<0.010	0.960	0.935	1.00	mg/L	96	94	3 %
		Titanium	EPA 200.7	1304011-001	0.051	1.04	1.03	1.00	mg/L	99	98	1 %
		Vanadium	EPA 200.7	1304011-001	0.035	0.990	0.977	1.00	mg/L	95	94	1 %
		Zinc	EPA 200.7	1304011-001	0.032	1.05	1.02	1.00	mg/L	102	99	3 %
QC13040171	MS 1	Mercury	EPA 245.1	1304011-001	<0.00010	0.004640	0.004650	0.005	mg/L	91	91	<1%
QC13040175	MS 1	Antimony	EPA 200.8	1304011-001	0.5066	SC 0.5472	0.5640	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1304011-001	3.5260	SC 3.8344	3.9078	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1304011-001	<0.0004	0.0085	0.0086	0.010	mg/L	82	83	1 %
		Cadmium	EPA 200.8	1304011-001	<0.0009	0.0089	0.0091	0.010	mg/L	88	90	2 %
		Chromium	EPA 200.8	1304011-001	0.0015	0.0103	0.0103	0.010	mg/L	88	88	<1%
		Copper	EPA 200.8	1304011-001	0.0084	0.0171	0.0172	0.010	mg/L	87	88	1 %
		Lead	EPA 200.8	1304011-001	0.2547	SC 0.2855	0.2871	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1304011-001	0.0037	0.0129	0.0130	0.010	mg/L	92	93	1 %
		Selenium	EPA 200.8	1304011-001	0.0137	0.0599	0.0605	0.050	mg/L	92	94	1 %
		Silver	EPA 200.8	1304011-001	<0.0015	0.0096	0.0098	0.010	mg/L	92	95	2 %
		Thallium	EPA 200.8	1304011-001	<0.0004	0.0089	0.0090	0.010	mg/L	89	90	1 %
		Uranium	EPA 200.8	1304011-001	0.0496	0.0599	0.0611	0.010	mg/L	102	115	2 %
QC13040193	MS 1	Total Cyanide	SM 4500CNC	1303576-006	0.304	M 0.366	0.404	0.100	mg/L	NC	NC	NC
QC13040226	MS 1	Total Cyanide	SM 4500CNC	1304011-001	0.031	M 0.350	0.365	0.100	mg/L	NC	NC	NC

6/11/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1304011

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 4/1/2013. Additional comments are located on page 2 of this report.

This is an amended report that includes the reanalysis result for T-CN for sample 1304011-001. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1304011

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Aluminum on sample 1304011-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

The analysis for Total Cyanide on sample 1304011-001 was analyzed passed the EPA recommended holding time due a reanalysis request per the client.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 6/11/2013

OrderID: 1304011

Customer Sample ID: 63301 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-001

Receive Date: 4/1/2013 12:00

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	0.10 Q	mg/L	1	0.10	4/5/2013
Thiocyanate	SM 4500 CNM	0.30	mg/L	1	0.10	4/2/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1.008	0.050	4/2/2013
pH	SM 4500-H+ B	8.70	pH Units	1		4/1/2013
Bicarbonate (HCO3)	SM 2320B	370	mg/L	1	1.0	4/1/2013
Carbonate (CO3)	SM 2320B	17	mg/L	1	1.0	4/1/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	4/1/2013
Total Alkalinity	SM 2320B	330	mg/L as CaCO3	1	1.0	4/1/2013
Redox Potential	SM 2580B	-98	mV	1		4/2/2013
Total Nitrogen	Calc.	0.75	mg/L	1	0.20	4/3/2013
Total Cyanide	SM 4500CNC	0.25 HT	mg/L	2	0.020	5/29/2013
Total Dissolved Solids (TDS)	SM 2540C	510	mg/L	1	10	4/2/2013
WAD Cyanide	SM 4500CNI	0.025	mg/L	1	0.010	4/3/2013
Electrical Conductivity	SM 2510B	740	µmhos/cm	1	1	4/4/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	4/3/2013
Fluoride	EPA 300.0	0.98	mg/L	1	0.10	4/3/2013
Sulfate	EPA 300.0	67	mg/L	1	1.0	4/3/2013
Nitrate Nitrogen	EPA 300.0	0.082	mg/L	1	0.010	4/2/2013
Nitrite Nitrogen	EPA 300.0	0.028	mg/L	1	0.010	4/2/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.64	mg/L	1	0.20	4/3/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	3.0 M	mg/L	1	0.045	4/3/2013
Barium	EPA 200.7	0.037	mg/L	1	0.010	4/3/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	4/3/2013
Boron	EPA 200.7	0.035	mg/L	1	0.020	4/3/2013
Calcium	EPA 200.7	7.6	mg/L	1	0.500	4/3/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	4/3/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	4/3/2013
Iron	EPA 200.7	1.6	mg/L	1	0.010	4/3/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	4/3/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63301 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-001

Receive Date: 4/1/2013 12:00

Analyte	Method	Results	Units	DF	RL	Analyzed
Magnesium	EPA 200.7	0.50	mg/L	1	0.50	4/3/2013
Manganese	EPA 200.7	0.052	mg/L	1	0.0050	4/3/2013
Molybdenum	EPA 200.7	0.0051	mg/L	1	0.0050	4/3/2013
Phosphorus	EPA 200.7	0.87	mg/L	1	0.50	4/3/2013
Potassium	EPA 200.7	3.0	mg/L	1	0.50	4/3/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	4/3/2013
Silicon	EPA 200.7	24	mg/L	1	0.10	4/3/2013
Sodium	EPA 200.7	160 SC	mg/L	1	0.50	4/3/2013
Strontium	EPA 200.7	0.091	mg/L	1	0.0020	4/3/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	4/3/2013
Titanium	EPA 200.7	0.051	mg/L	1	0.0050	4/3/2013
Vanadium	EPA 200.7	0.035	mg/L	1	0.010	4/3/2013
Zinc	EPA 200.7	0.032	mg/L	1	0.010	4/3/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.51 SC	mg/L	10	0.025	4/4/2013
Arsenic	EPA 200.8	3.5 SC	mg/L	10	0.030	4/4/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	4/4/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	4/4/2013
Chromium	EPA 200.8	0.0015	mg/L	1	0.0010	4/4/2013
Copper	EPA 200.8	0.0084	mg/L	1	0.0025	4/4/2013
Lead	EPA 200.8	0.25 SC	mg/L	10	0.020	4/4/2013
Nickel	EPA 200.8	0.0037	mg/L	1	0.0010	4/4/2013
Selenium	EPA 200.8	0.014	mg/L	1	0.0020	4/4/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	4/4/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	4/4/2013
Uranium	EPA 200.8	0.050	mg/L	1	0.0050	4/4/2013

Mercury by CVAA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	4/4/2013

Ion Balance

Anions	Calculation	8.08	meq/L	1	0.10	
Cations	Calculation	7.88	meq/L	1	0.10	
Error	Calculation	1.3	%	1	1.0	

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		4/3/2013

Customer Sample ID: 63316 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-002

Receive Date: 4/1/2013 12:00

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Thiocyanate	SM 4500 CNM	0.34	mg/L	1	0.10	4/2/2013
Cyanate	SM 4500 CNL	0.13	mg/L	1	0.10	4/5/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1.008	0.050	4/2/2013
pH	SM 4500-H+ B	8.79	pH Units	1		4/1/2013
Bicarbonate (HCO3)	SM 2320B	390	mg/L	1	1.0	4/1/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63316 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-002

Receive Date: 4/1/2013 12:00

Analyte	Method	Results	Units	DF	RL	Analyzed
Carbonate (CO3)	SM 2320B	26	mg/L	1	1.0	4/1/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	4/1/2013
Total Alkalinity	SM 2320B	370	mg/L as CaCO3	1	1.0	4/1/2013
Redox Potential	SM 2580B	-88	mV	1		4/2/2013
Total Nitrogen	Calc.	0.51	mg/L	1	0.20	4/3/2013
Total Cyanide	SM 4500CNC	0.049	mg/L	1	0.010	4/5/2013
Total Dissolved Solids (TDS)	SM 2540C	570	mg/L	1	10	4/2/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	4/3/2013
Electrical Conductivity	SM 2510B	850	µmhos/cm	1	1	4/4/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	4/3/2013
Fluoride	EPA 300.0	1.0	mg/L	1	0.10	4/3/2013
Sulfate	EPA 300.0	89	mg/L	1	1.0	4/3/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	4/2/2013
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.010	4/2/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.51	mg/L	1	0.20	4/3/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.0	mg/L	1	0.045	4/3/2013
Barium	EPA 200.7	0.022	mg/L	1	0.010	4/3/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	4/3/2013
Boron	EPA 200.7	ND	mg/L	1	0.10	4/3/2013
Calcium	EPA 200.7	5.3	mg/L	1	0.500	4/3/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	4/3/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	4/3/2013
Iron	EPA 200.7	1.3	mg/L	1	0.010	4/3/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	4/3/2013
Magnesium	EPA 200.7	0.39	mg/L	1	0.25	4/3/2013
Manganese	EPA 200.7	0.032	mg/L	1	0.0050	4/3/2013
Molybdenum	EPA 200.7	0.0060	mg/L	1	0.0050	4/3/2013
Phosphorus	EPA 200.7	0.46	mg/L	1	0.10	4/3/2013
Potassium	EPA 200.7	3.5	mg/L	1	0.50	4/3/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	4/3/2013
Silicon	EPA 200.7	18	mg/L	1	0.10	4/3/2013
Sodium	EPA 200.7	200	mg/L	1	0.50	4/3/2013
Strontium	EPA 200.7	ND	mg/L	1	0.10	4/3/2013
Tin	EPA 200.7	ND	mg/L	1	0.10	4/3/2013
Titanium	EPA 200.7	ND	mg/L	1	0.10	4/3/2013
Vanadium	EPA 200.7	0.022	mg/L	1	0.010	4/3/2013
Zinc	EPA 200.7	0.034	mg/L	1	0.010	4/3/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.50	mg/L	10	0.025	4/4/2013
Arsenic	EPA 200.8	2.9	mg/L	10	0.030	4/4/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	4/4/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	4/4/2013
Chromium	EPA 200.8	0.0011	mg/L	1	0.0010	4/4/2013
Copper	EPA 200.8	0.020	mg/L	1	0.0025	4/4/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-002

Receive Date: 4/1/2013 12:00

Analyte	Method	Results	Units	DF	RL	Analyzed
Lead	EPA 200.8	0.20	mg/L	10	0.020	4/4/2013
Nickel	EPA 200.8	0.0033	mg/L	1	0.0010	4/4/2013
Selenium	EPA 200.8	0.010	mg/L	1	0.0020	4/4/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	4/4/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	4/4/2013
Uranium	EPA 200.8	0.054	mg/L	1	0.0050	4/4/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	0.00010	mg/L	1	0.00010	4/4/2013
<u>Ion Balance</u>						
Anions	Calculation	9.16	meq/L	1	0.10	
Cations	Calculation	9.35	meq/L	1	0.10	
Error	Calculation	ND	%	1	1.0	
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		4/3/2013

Customer Sample ID: 63322 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-003

Receive Date: 4/1/2013 12:00

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	0.15	mg/L	1	0.10	4/5/2013
Thiocyanate	SM 4500 CNM	0.48	mg/L	1	0.10	4/2/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1.008	0.050	4/2/2013
pH	SM 4500-H+ B	8.75	pH Units	1		4/1/2013
Bicarbonate (HCO3)	SM 2320B	460	mg/L	1	1.0	4/1/2013
Carbonate (CO3)	SM 2320B	25	mg/L	1	1.0	4/1/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	4/1/2013
Total Alkalinity	SM 2320B	420	mg/L as CaCO3	1	1.0	4/1/2013
Redox Potential	SM 2580B	-128	mV	1		4/2/2013
Total Nitrogen	Calc.	0.45	mg/L	1	0.20	4/3/2013
Total Cyanide	SM 4500CNC	0.041	mg/L	1	0.010	4/4/2013
Total Dissolved Solids (TDS)	SM 2540C	560	mg/L	1	10	4/2/2013
WAD Cyanide	SM 4500CNI	0.024	mg/L	1	0.010	4/3/2013
Electrical Conductivity	SM 2510B	860	µmhos/cm	1	1	4/4/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	4/3/2013
Fluoride	EPA 300.0	0.60	mg/L	1	0.10	4/3/2013
Sulfate	EPA 300.0	48	mg/L	1	1.0	4/3/2013
Nitrate Nitrogen	EPA 300.0	0.011	mg/L	1	0.010	4/2/2013
Nitrite Nitrogen	EPA 300.0	0.042	mg/L	1	0.010	4/2/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.40	mg/L	1	0.20	4/3/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.1	mg/L	1	0.045	4/3/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 1 Apr 13

Collect Date/Time: 4/1/2013 11:30

WETLAB Sample ID: 1304011-003

Receive Date: 4/1/2013 12:00

Analyte	Method	Results	Units	DF	RL	Analyzed
Barium	EPA 200.7	0.029	mg/L	1	0.010	4/3/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	4/3/2013
Boron	EPA 200.7	0.060	mg/L	1	0.020	4/3/2013
Calcium	EPA 200.7	5.8	mg/L	1	0.500	4/3/2013
Cobalt	EPA 200.7	0.0023	mg/L	1	0.0020	4/3/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	4/3/2013
Iron	EPA 200.7	1.4	mg/L	1	0.010	4/3/2013
Lithium	EPA 200.7	0.044	mg/L	1	0.020	4/3/2013
Magnesium	EPA 200.7	0.61	mg/L	1	0.50	4/3/2013
Manganese	EPA 200.7	0.035	mg/L	1	0.0050	4/3/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	4/3/2013
Phosphorus	EPA 200.7	0.39	mg/L	1	0.10	4/3/2013
Potassium	EPA 200.7	3.1	mg/L	1	0.50	4/3/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	4/3/2013
Silicon	EPA 200.7	18	mg/L	1	0.10	4/3/2013
Sodium	EPA 200.7	200	mg/L	1	0.50	4/3/2013
Strontium	EPA 200.7	0.071	mg/L	1	0.0020	4/3/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	4/3/2013
Titanium	EPA 200.7	0.074	mg/L	1	0.0050	4/3/2013
Vanadium	EPA 200.7	0.016	mg/L	1	0.010	4/3/2013
Zinc	EPA 200.7	0.042	mg/L	1	0.010	4/3/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.22	mg/L	10	0.025	4/4/2013
Arsenic	EPA 200.8	1.8	mg/L	10	0.030	4/4/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	4/4/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	4/4/2013
Chromium	EPA 200.8	0.0020	mg/L	1	0.0010	4/4/2013
Copper	EPA 200.8	0.049	mg/L	1	0.0025	4/4/2013
Lead	EPA 200.8	0.20	mg/L	10	0.020	4/4/2013
Nickel	EPA 200.8	0.0041	mg/L	1	0.0010	4/4/2013
Selenium	EPA 200.8	0.0067	mg/L	1	0.0020	4/4/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	4/4/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	4/4/2013
Uranium	EPA 200.8	0.045	mg/L	1	0.0050	4/4/2013

Mercury by CVAA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	4/4/2013

Ion Balance

Anions	Calculation	9.40	meq/L	1	0.10	
Cations	Calculation	9.43	meq/L	1	0.10	
Error	Calculation	ND	%	1	1.0	

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		4/3/2013

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13040081	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040081	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040081	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040081	Blank 4	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040081	Blank 5	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040085	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13040085	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13040091	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13040091	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13040092	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13040092	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13040104	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13040104	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13040107	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13040107	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13040116	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13040116	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13040128	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040128	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040128	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040128	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040128	Blank 5	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040130	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040130	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040130	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040143	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	0.39	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
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 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC13040171	Blank 1	Zinc	EPA 200.7	ND	mg/L
QC13040171	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13040171	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13040175	Blank 1	Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L
QC13040178	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13040178	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13040178	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13040189	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13040193	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040193	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040226	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040226	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040251	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13040251	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L
QC13060374	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13060374	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13040067	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040067	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040067	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040067	LCS 4	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040070	LCS 1	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13040070	LCS 2	Total Alkalinity	SM 2320B	99.0	100	99	mg/L
QC13040070	LCS 3	Total Alkalinity	SM 2320B	99.1	100	99	mg/L
QC13040070	LCS 4	Total Alkalinity	SM 2320B	99.0	100	99	mg/L
QC13040070	LCS 5	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13040081	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.924	1.00	92	mg/L
QC13040081	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.890	1.00	89	mg/L
QC13040091	LCS 1	Nitrite Nitrogen	EPA 300.0	0.484	0.500	97	mg/L
QC13040092	LCS 1	Nitrate Nitrogen	EPA 300.0	0.532	0.500	106	mg/L
QC13040098	LCS 1	Redox Potential	SM 2580B	216	221	98	mV
QC13040104	LCS 1	Fluoride	EPA 300.0	1.85	2.00	93	mg/L
QC13040107	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC13040116	LCS 1	Sulfate	EPA 300.0	24.5	25.0	98	mg/L
QC13040128	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.668	0.690	97	mg/L
QC13040128	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.646	0.690	94	mg/L
QC13040130	LCS 1	WAD Cyanide	SM 4500CNI	0.093	0.100	93	mg/L
QC13040143	LCS 1	Aluminum	EPA 200.7	0.960	1.00	96	mg/L
		Barium	EPA 200.7	0.955	1.00	96	mg/L
		Bismuth	EPA 200.7	0.969	1.00	97	mg/L
		Boron	EPA 200.7	0.973	1.00	97	mg/L

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 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
		Calcium	EPA 200.7	9.67	10.0	97	mg/L
		Cobalt	EPA 200.7	0.963	1.00	96	mg/L
		Gallium	EPA 200.7	0.962	1.00	96	mg/L
		Iron	EPA 200.7	0.949	1.00	95	mg/L
		Lithium	EPA 200.7	0.964	1.00	96	mg/L
		Magnesium	EPA 200.7	9.32	10.0	93	mg/L
		Manganese	EPA 200.7	0.975	1.00	98	mg/L
		Molybdenum	EPA 200.7	0.918	1.00	92	mg/L
		Phosphorus	EPA 200.7	4.70	5.00	94	mg/L
		Potassium	EPA 200.7	9.63	10.0	96	mg/L
		Scandium	EPA 200.7	0.963	1.00	96	mg/L
		Silicon	EPA 200.7	9.22	10.0	92	mg/L
		Sodium	EPA 200.7	9.79	10.0	98	mg/L
		Strontium	EPA 200.7	0.922	1.00	92	mg/L
		Tin	EPA 200.7	0.946	1.00	95	mg/L
		Titanium	EPA 200.7	0.973	1.00	97	mg/L
		Vanadium	EPA 200.7	0.955	1.00	96	mg/L
		Zinc	EPA 200.7	0.961	1.00	96	mg/L
QC13040171	LCS 1	Mercury	EPA 245.1	0.004610	0.005	92	mg/L
QC13040175	LCS 1	Antimony	EPA 200.8	0.0096	0.010	96	mg/L
		Arsenic	EPA 200.8	0.0523	0.050	105	mg/L
		Beryllium	EPA 200.8	0.0103	0.010	103	mg/L
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L
		Chromium	EPA 200.8	0.0103	0.010	103	mg/L
		Copper	EPA 200.8	0.0103	0.010	103	mg/L
		Lead	EPA 200.8	0.0098	0.010	98	mg/L
		Nickel	EPA 200.8	0.0101	0.010	101	mg/L
		Selenium	EPA 200.8	0.0476	0.050	95	mg/L
		Silver	EPA 200.8	0.0094	0.010	94	mg/L
		Thallium	EPA 200.8	0.0098	0.010	98	mg/L
		Uranium	EPA 200.8	0.0097	0.010	97	mg/L
QC13040178	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L
QC13040178	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	157	150	105	mg/L
QC13040178	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L
QC13040189	LCS 1	Electrical Conductivity	SM 2510B	1417	1412	100	µmhos/cm
QC13040189	LCS 2	Electrical Conductivity	SM 2510B	1404	1412	99	µmhos/cm
QC13040193	LCS 1	Total Cyanide	SM 4500CNC	0.096	0.100	96	mg/L
QC13040226	LCS 1	Total Cyanide	SM 4500CNC	0.096	0.100	96	mg/L
QC13040251	LCS 1	Cyanate	SM 4500 CNL	1.08	1.00	108	mg/L
QC13060374	LCS 1	Total Cyanide	SM 4500CNC	0.086	0.100	86	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13040067	Duplicate	pH	SM 4500-H+ B	1304004-001	5.61	5.60	pH Units	<1%
QC13040067	Duplicate	pH	SM 4500-H+ B	1304005-006	7.40	7.40	pH Units	<1%
QC13040067	Duplicate	pH	SM 4500-H+ B	1304011-002	8.79	8.79	pH Units	<1%
QC13040067	Duplicate	pH	SM 4500-H+ B	1304011-003	8.75	8.76	pH Units	<1%
QC13040067	Duplicate	pH	SM 4500-H+ B	1304017-001	7.22	7.28	pH Units	1 %
QC13040067	Duplicate	pH	SM 4500-H+ B	1304017-002	7.65	7.56	pH Units	1 %
QC13040067	Duplicate	pH	SM 4500-H+ B	1304017-004	6.35	6.36	pH Units	<1%
QC13040070	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304004-001	4.80	4.30	mg/L	11 %

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 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13040070	Duplicate	Carbonate (CO3)	SM 2320B	1304004-001	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304004-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304004-001	3.94	3.53	mg/L as CaCO3	11 %
		Bicarbonate (HCO3)	SM 2320B	1304005-006	368	370	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1304005-006	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304005-006	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304005-006	302	303	mg/L as CaCO3	1 %
QC13040070	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304011-002	394	396	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1304011-002	26.0	25.1	mg/L	4 %
		Hydroxide (OH)	SM 2320B	1304011-002	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304011-002	366	366	mg/L as CaCO3	<1%
QC13040070	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304011-003	457	455	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1304011-003	24.5	25.2	mg/L	3 %
		Hydroxide (OH)	SM 2320B	1304011-003	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304011-003	415	415	mg/L as CaCO3	<1%
QC13040070	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304017-001	33.0	32.9	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1304017-001	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304017-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304017-001	27.0	27.0	mg/L as CaCO3	<1%
QC13040070	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304017-002	58.3	56.9	mg/L	2 %
		Carbonate (CO3)	SM 2320B	1304017-002	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304017-002	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304017-002	47.8	46.6	mg/L as CaCO3	2 %
QC13040070	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304017-004	3.21	2.83	mg/L	13 %
		Carbonate (CO3)	SM 2320B	1304017-004	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304017-004	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304017-004	2.63	2.32	mg/L as CaCO3	13 %
QC13040098	Duplicate	Redox Potential	SM 2580B	1304015-003	179	181	mV	1 %
QC13040098	Duplicate	Redox Potential	SM 2580B	1304015-011	358	361	mV	1 %
QC13040178	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303532-001	484	438	Q mg/L	10 %
QC13040178	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303533-001	100	99.0	mg/L	1 %
QC13040178	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303567-006	80.0	84.0	mg/L	5 %
QC13040178	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1303594-008	343	346	mg/L	1 %
QC13040178	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304005-002	210	212	mg/L	1 %
QC13040178	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304010-002	297	305	mg/L	3 %
QC13040189	Duplicate	Electrical Conductivity	SM 2510B	1304015-001	34.1	34.2	µmhos/cm	<1%
QC13040189	Duplicate	Electrical Conductivity	SM 2510B	1304015-011	160	160	µmhos/cm	<1%
QC13040189	Duplicate	Electrical Conductivity	SM 2510B	1304005-004	500	497	µmhos/cm	1 %
QC13040189	Duplicate	Electrical Conductivity	SM 2510B	1304034-005	278	276	µmhos/cm	1 %
QC13040189	Duplicate	Electrical Conductivity	SM 2510B	1304047-010	7420	7345	µmhos/cm	1 %
QC13040251	Duplicate	Cyanate	SM 4500 CNL	1304011-001	0.101	0.128	Q mg/L	23 %

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13040081	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1303431-001	ND	0.928	0.853	1.00	mg/L	93	85	8 %
QC13040081	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1303431-009	ND	0.882	0.905	1.00	mg/L	88	90	3 %
QC13040081	MS 3	Ammonia, as Nitrogen	SM 4500 NH3	1303544-002	0.302	1.11	1.15	1.00	mg/L	81	85	4 %
QC13040081	MS 4	Ammonia, as Nitrogen	SM 4500 NH3	1303545-001	ND	0.815	0.842	1.00	mg/L	81	84	3 %
QC13040085	MS 1	Thiocyanate	SM 4500 CN	1304011-001	0.305	0.750	0.756	0.500	mg/L	89	90	1 %
QC13040091	MS 1	Nitrite Nitrogen	EPA 300.0	1304018-001	ND	0.236	0.248	0.250	mg/L	92	97	5 %
QC13040092	MS 1	Nitrate Nitrogen	EPA 300.0	1304018-001	0.013	0.963	0.997	1.00	mg/L	95	98	3 %
QC13040104	MS 1	Fluoride	EPA 300.0	1304017-018	ND	1.97	2.00	2.00	mg/L	98	99	2 %
QC13040107	MS 1	Chloride	EPA 300.0	1304017-018	ND	5.47	5.52	5.00	mg/L	109	110	1 %
QC13040116	MS 1	Sulfate	EPA 300.0	1304017-018	57.1	67.2	67.3	10.0	mg/L	100	101	<1%
QC13040128	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1304002-001	0.297	0.929	0.934	0.690	mg/L	92	92	1 %
QC13040128	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1304005-004	ND	0.723	0.707	0.690	mg/L	95	93	2 %
QC13040128	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1304018-001	0.221	0.898	0.862	0.690	mg/L	98	93	4 %
QC13040128	MS 4	Total Kjeldahl Nitrogen	EPA 351.2	1304018-011	1.86	M 2.27	2.34	0.690	mg/L	NC	NC	NC
QC13040130	MS 1	WAD Cyanide	SM 4500CNI	1304005-001	ND	0.103	0.086	0.100	mg/L	103	86	18 %
QC13040130	MS 2	WAD Cyanide	SM 4500CNI	1304007-002	ND	0.089	0.093	0.100	mg/L	88	92	4 %
QC13040143	MS 1	Aluminum	EPA 200.7	1304011-001	2.97	M 4.39	4.35	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1304011-001	0.037	0.991	0.973	1.00	mg/L	95	94	2 %
		Bismuth	EPA 200.7	1304011-001	ND	0.996	0.994	1.00	mg/L	98	98	<1%
		Boron	EPA 200.7	1304011-001	0.035	1.02	1.01	1.00	mg/L	99	98	1 %
		Calcium	EPA 200.7	1304011-001	7.63	18.1	17.7	10.0	mg/L	105	101	2 %
		Cobalt	EPA 200.7	1304011-001	ND	0.945	0.926	1.00	mg/L	94	92	2 %
		Gallium	EPA 200.7	1304011-001	ND	0.893	0.893	1.00	mg/L	89	89	<1%
		Iron	EPA 200.7	1304011-001	1.63	2.71	2.67	1.00	mg/L	108	104	1 %
		Lithium	EPA 200.7	1304011-001	ND	0.896	0.907	1.00	mg/L	89	90	1 %
		Magnesium	EPA 200.7	1304011-001	0.505	10.0	9.92	10.0	mg/L	95	94	1 %
		Manganese	EPA 200.7	1304011-001	0.052	1.02	0.992	1.00	mg/L	97	94	3 %
		Molybdenum	EPA 200.7	1304011-001	0.005	0.937	0.922	1.00	mg/L	93	92	2 %
		Phosphorus	EPA 200.7	1304011-001	0.871	5.77	5.65	5.00	mg/L	98	96	2 %
		Potassium	EPA 200.7	1304011-001	3.04	12.7	12.8	10.0	mg/L	97	98	1 %
		Scandium	EPA 200.7	1304011-001	ND	0.963	0.963	1.00	mg/L	96	96	<1%
		Silicon	EPA 200.7	1304011-001	24.3	36.0	35.7	10.0	mg/L	117	114	1 %
		Sodium	EPA 200.7	1304011-001	161	SC 175	179	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1304011-001	0.091	1.03	1.06	1.00	mg/L	94	97	3 %
		Tin	EPA 200.7	1304011-001	ND	0.960	0.935	1.00	mg/L	96	94	3 %
		Titanium	EPA 200.7	1304011-001	0.051	1.04	1.03	1.00	mg/L	99	98	1 %
		Vanadium	EPA 200.7	1304011-001	0.035	0.990	0.977	1.00	mg/L	95	94	1 %
		Zinc	EPA 200.7	1304011-001	0.032	1.05	1.02	1.00	mg/L	102	99	3 %
QC13040171	MS 1	Mercury	EPA 245.1	1304011-001	ND	0.004640	0.004650	0.005	mg/L	91	91	<1%
QC13040175	MS 1	Antimony	EPA 200.8	1304011-001	0.5066	SC 0.5472	0.5640	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1304011-001	3.5260	SC 3.8344	3.9078	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1304011-001	ND	0.0085	0.0086	0.010	mg/L	82	83	1 %
		Cadmium	EPA 200.8	1304011-001	ND	0.0089	0.0091	0.010	mg/L	88	90	2 %
		Chromium	EPA 200.8	1304011-001	0.0015	0.0103	0.0103	0.010	mg/L	88	88	<1%
		Copper	EPA 200.8	1304011-001	0.0084	0.0171	0.0172	0.010	mg/L	87	88	1 %
		Lead	EPA 200.8	1304011-001	0.2547	SC 0.2855	0.2871	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1304011-001	0.0037	0.0129	0.0130	0.010	mg/L	92	93	1 %
		Selenium	EPA 200.8	1304011-001	0.0137	0.0599	0.0605	0.050	mg/L	92	94	1 %
		Silver	EPA 200.8	1304011-001	ND	0.0096	0.0098	0.010	mg/L	92	95	2 %
		Thallium	EPA 200.8	1304011-001	ND	0.0089	0.0090	0.010	mg/L	89	90	1 %
		Uranium	EPA 200.8	1304011-001	0.0496	0.0599	0.0611	0.010	mg/L	102	115	2 %
QC13040193	MS 1	Total Cyanide	SM 4500CNC	1303576-006	0.304	M 0.366	0.404	0.100	mg/L	NC	NC	NC

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13040226	MS 1	Total Cyanide	SM 4500CNC	1304011-001	0.254	HT 0.350	0.365	0.100	mg/L	100	115	4 %
QC13060374	MS 1	Total Cyanide	SM 4500CNC	1305109-003	2.26	SC 2.44	2.21	0.100	mg/L	NC	NC	NC

4/8/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1304114

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 4/5/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1304114

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Thiocyanate on sample 1304114-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold / 366C / 41937

Date Printed: 4/8/2013

OrderID: 1304114

Customer Sample ID: TT-VG-Bench-2 (unpreserved)

Collect Date/Time: 4/4/2013 15:30

WETLAB Sample ID: 1304114-001

Receive Date: 4/5/2013 09:00

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	<5.0	N mg/L	5.0	4/8/2013
Thiocyanate	SM 4500 CNM	<0.10	M mg/L	0.10	4/8/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	1.4	mg/L	0.050	4/5/2013
Trace Metals Digestion	EPA 200.2	Complete			4/8/2013
Chloride	EPA 300.0	130	mg/L	1.0	4/5/2013
Fluoride	EPA 300.0	1.8	mg/L	1.0	4/5/2013
Sulfate	EPA 300.0	2200	mg/L	100	4/5/2013
Nitrate Nitrogen	EPA 300.0	0.12	mg/L	0.010	4/5/2013
Chromium	EPA 200.7	0.040	mg/L	0.0050	4/8/2013
Copper	EPA 200.7	0.080	mg/L	0.050	4/8/2013
Iron	EPA 200.7	0.16	mg/L	0.010	4/8/2013
Molybdenum	EPA 200.7	0.075	mg/L	0.010	4/8/2013
Nickel	EPA 200.7	0.026	mg/L	0.010	4/8/2013
Silver	EPA 200.7	0.0069	mg/L	0.0050	4/8/2013
Zinc	EPA 200.7	0.014	mg/L	0.010	4/8/2013
Antimony	EPA 200.8	<0.0005	mg/L	0.0005	4/8/2013
Arsenic	EPA 200.8	0.0078	mg/L	0.0050	4/8/2013
Cadmium	EPA 200.8	<0.0009	mg/L	0.0009	4/8/2013
Lead	EPA 200.8	<0.0020	mg/L	0.0020	4/8/2013
Selenium	EPA 200.8	0.016	mg/L	0.0050	4/8/2013
Thallium	EPA 200.8	<0.0004	mg/L	0.0004	4/8/2013
Uranium	EPA 200.8	<0.0004	mg/L	0.0004	4/8/2013
Mercury	EPA 245.1	<0.00010	mg/L	0.00010	4/8/2013

Western Environmental Testing Laboratory QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13040214	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13040214	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13040214	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	<0.050	mg/L
QC13040237	Blank 1	Fluoride	EPA 300.0	<0.10	mg/L
QC13040237	Blank 2	Fluoride	EPA 300.0	<0.10	mg/L
QC13040237	Blank 3	Fluoride	EPA 300.0	<0.10	mg/L
QC13040240	Blank 1	Chloride	EPA 300.0	<1.0	mg/L
QC13040240	Blank 2	Chloride	EPA 300.0	<1.0	mg/L
QC13040240	Blank 3	Chloride	EPA 300.0	<1.0	mg/L
QC13040249	Blank 1	Sulfate	EPA 300.0	<1.0	mg/L
QC13040249	Blank 2	Sulfate	EPA 300.0	<1.0	mg/L
QC13040249	Blank 3	Sulfate	EPA 300.0	<1.0	mg/L
QC13040254	Blank 1	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13040254	Blank 2	Nitrate Nitrogen	EPA 300.0	<0.010	mg/L
QC13040256	Blank 1	Chromium, Dissolved	EPA 200.7	<0.0050	mg/L
		Copper, Dissolved	EPA 200.7	<0.050	mg/L
		Iron, Dissolved	EPA 200.7	<0.010	mg/L
		Molybdenum, Dissolved	EPA 200.7	<0.010	mg/L
		Nickel, Dissolved	EPA 200.7	<0.010	mg/L
		Silver, Dissolved	EPA 200.7	<0.0050	mg/L
		Zinc, Dissolved	EPA 200.7	<0.010	mg/L
QC13040262	Blank 1	Uranium, Dissolved	EPA 200.8	<0.0050	mg/L
		Antimony, Dissolved	EPA 200.8	<0.0025	mg/L
		Arsenic, Dissolved	EPA 200.8	<0.0050	mg/L
		Cadmium, Dissolved	EPA 200.8	<0.0010	mg/L
		Lead, Dissolved	EPA 200.8	<0.0025	mg/L
		Selenium, Dissolved	EPA 200.8	<0.0050	mg/L
		Thallium, Dissolved	EPA 200.8	<0.0010	mg/L
QC13040263	Blank 1	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13040263	Blank 2	Cyanate	SM 4500 CNL	<0.10	mg/L
QC13040265	Blank 1	Mercury	EPA 245.1	<0.00010	mg/L
QC13040265	Blank 2	Mercury	EPA 245.1	<0.00010	mg/L
QC13040281	Blank 1	Thiocyanate	SM 4500 CNM	<1	mg/L
QC13040281	Blank 2	Thiocyanate	SM 4500 CNM	<1	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13040214	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.906	1.00	91	mg/L
QC13040237	LCS 1	Fluoride	EPA 300.0	1.99	2.00	99	mg/L
QC13040240	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC13040249	LCS 1	Sulfate	EPA 300.0	25.4	25.0	101	mg/L
QC13040254	LCS 1	Nitrate Nitrogen	EPA 300.0	0.540	0.500	108	mg/L
QC13040256	LCS 1	Chromium, Dissolved	EPA 200.7	0.944	1.00	94	mg/L
		Copper, Dissolved	EPA 200.7	4.67	5.00	93	mg/L
		Iron, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Molybdenum, Dissolved	EPA 200.7	0.972	1.00	97	mg/L
		Nickel, Dissolved	EPA 200.7	4.96	5.00	99	mg/L
		Silver, Dissolved	EPA 200.7	0.087	0.090	96	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13040262	LCS 1	Zinc, Dissolved	EPA 200.7	1.00	1.00	100	mg/L
		Uranium, Dissolved	EPA 200.8	0.0097	0.010	97	mg/L
		Antimony, Dissolved	EPA 200.8	0.0100	0.010	100	mg/L
		Arsenic, Dissolved	EPA 200.8	0.0496	0.050	99	mg/L
		Cadmium, Dissolved	EPA 200.8	0.0097	0.010	97	mg/L
		Lead, Dissolved	EPA 200.8	0.0097	0.010	97	mg/L
		Selenium, Dissolved	EPA 200.8	0.0452	0.050	90	mg/L
		Thallium, Dissolved	EPA 200.8	0.0096	0.010	96	mg/L
QC13040263	LCS 1	Cyanate	SM 4500 CNL	0.969	1.00	97	mg/L
QC13040265	LCS 1	Mercury	EPA 245.1	0.004820	0.005	96	mg/L

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13040214	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1304018-001	<0.050	1.01	1.04	1.00	mg/L	101	104	3 %
QC13040214	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1304018-011	0.149	1.09	1.11	1.00	mg/L	94	96	2 %
QC13040237	MS 1	Fluoride	EPA 300.0	1304095-001	<0.100	1.89	1.97	2.00	mg/L	94	98	4 %
QC13040237	MS 2	Fluoride	EPA 300.0	1304125-001	1.00	2.88	2.88	2.00	mg/L	94	94	<1%
QC13040240	MS 1	Chloride	EPA 300.0	1304095-001	<1.000	5.38	5.45	5.00	mg/L	105	106	1 %
QC13040240	MS 2	Chloride	EPA 300.0	1304129-007	85.6	138	137	5.00	mg/L	104	103	1 %
QC13040249	MS 1	Sulfate	EPA 300.0	1304095-001	<1.000	10.1	10.4	10.0	mg/L	102	104	3 %
QC13040249	MS 2	Sulfate	EPA 300.0	1304125-001	32.3	42.2	42.2	10.0	mg/L	99	99	<1%
QC13040254	MS 1	Nitrate Nitrogen	EPA 300.0	1304098-002	0.111	1.15	1.20	1.00	mg/L	104	109	4 %
QC13040256	MS 1	Chromium, Dissolved	EPA 200.7	1304005-004	<0.005	0.936	0.934	1.00	mg/L	94	93	<1%
		Copper, Dissolved	EPA 200.7	1304005-004	<0.050	4.77	4.75	5.00	mg/L	95	95	<1%
		Iron, Dissolved	EPA 200.7	1304005-004	0.873	1.96	1.92	1.00	mg/L	109	105	2 %
		Molybdenum, Dissolved	EPA 200.7	1304005-004	0.016	0.978	1.00	1.00	mg/L	96	98	2 %
		Nickel, Dissolved	EPA 200.7	1304005-004	<0.010	4.83	4.83	5.00	mg/L	97	97	<1%
		Silver, Dissolved	EPA 200.7	1304005-004	<0.005	0.087	0.088	0.090	mg/L	96	98	1 %
		Zinc, Dissolved	EPA 200.7	1304005-004	<0.010	1.00	1.03	1.00	mg/L	100	103	3 %
		Uranium, Dissolved	EPA 200.8	1304005-004	<0.0050	0.0136	0.0138	0.010	mg/L	98	99	1 %
QC13040262	MS 1	Antimony, Dissolved	EPA 200.8	1304005-004	<0.0025	0.0101	0.0101	0.010	mg/L	101	101	<1%
		Arsenic, Dissolved	EPA 200.8	1304005-004	<0.0050	0.0524	0.0519	0.050	mg/L	102	101	1 %
		Cadmium, Dissolved	EPA 200.8	1304005-004	<0.0010	0.0094	0.0095	0.010	mg/L	94	95	1 %
		Lead, Dissolved	EPA 200.8	1304005-004	<0.0025	0.0093	0.0095	0.010	mg/L	92	93	2 %
		Selenium, Dissolved	EPA 200.8	1304005-004	<0.0050	0.0438	0.0439	0.050	mg/L	87	88	<1%
		Thallium, Dissolved	EPA 200.8	1304005-004	<0.0010	0.0092	0.0093	0.010	mg/L	92	93	1 %
QC13040265	MS 1	Mercury	EPA 245.1	1303576-005	0.000410	0.005320	0.005360	0.005	mg/L	98	99	1 %
QC13040281	MS 1	Thiocyanate	SM 4500 CN	1304114-001	<0.100	M 0.299	0.085	0.500	mg/L	NC	NC	NC

4/15/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1304141

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 4/8/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Smith", with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1304141

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Total Cyanide on sample 1304141-002 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 4/15/2013

OrderID: 1304141

Customer Sample ID: 63301 8 Apr 13

Collect Date/Time: 4/8/2013 13:20

WETLAB Sample ID: 1304141-001

Receive Date: 4/8/2013 13:50

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	0.35	mg/L	0.10	4/9/2013
Cyanate	SM 4500 CNL	<0.20	mg/L	0.20	4/12/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	4/11/2013
pH	SM 4500-H+ B	8.69	pH Units		4/8/2013
Trace Metals Digestion	EPA 200.2	Complete			4/11/2013
Bicarbonate (HCO3)	SM 2320B	410	mg/L	1.0	4/8/2013
Carbonate (CO3)	SM 2320B	17	mg/L	1.0	4/8/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	4/8/2013
Total Alkalinity	SM 2320B	360	mg/L as CaCO3	1.0	4/8/2013
Redox Potential	SM 2580B	-123	mV		4/9/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	4/9/2013
Fluoride	EPA 300.0	0.79	mg/L	0.10	4/9/2013
Sulfate	EPA 300.0	60	mg/L	1.0	4/9/2013
Nitrate Nitrogen	EPA 300.0	0.22	mg/L	0.010	4/8/2013
Nitrite Nitrogen	EPA 300.0	0.029	mg/L	0.010	4/8/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.70	mg/L	0.20	4/10/2013
Total Nitrogen	Calc.	0.95	mg/L	0.10	4/10/2013
Total Cyanide	SM 4500CNC	0.22	M mg/L	0.020	4/10/2013
Total Dissolved Solids (TDS)	SM 2540C	550	mg/L	10	4/9/2013
WAD Cyanide	SM 4500CNI	0.015	mg/L	0.010	4/9/2013
Electrical Conductivity	SM 2510B	820	µmhos/cm	1	4/8/2013
Aluminum	EPA 200.7	2.5	mg/L	0.045	4/12/2013
Barium	EPA 200.7	0.035	mg/L	0.010	4/12/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	4/12/2013
Boron	EPA 200.7	0.038	mg/L	0.020	4/12/2013
Calcium	EPA 200.7	8.3	mg/L	0.500	4/12/2013
Cobalt	EPA 200.7	0.0020	mg/L	0.0020	4/12/2013

Customer Sample ID: 63301 8 Apr 13

Collect Date/Time: 4/8/2013 13:20

WETLAB Sample ID: 1304141-001

Receive Date: 4/8/2013 13:50

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Gallium	EPA 200.7	<0.020	mg/L	0.020	4/12/2013
Iron	EPA 200.7	1.4	mg/L	0.010	4/12/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	4/12/2013
Magnesium	EPA 200.7	0.49	mg/L	0.25	4/12/2013
Manganese	EPA 200.7	0.046	mg/L	0.0050	4/12/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	4/12/2013
Phosphorus	EPA 200.7	0.78	mg/L	0.10	4/12/2013
Potassium	EPA 200.7	3.5	mg/L	0.50	4/12/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	4/12/2013
Silicon	EPA 200.7	22	mg/L	0.10	4/12/2013
Sodium	EPA 200.7	180	mg/L	0.50	4/12/2013
Strontium	EPA 200.7	0.11	mg/L	0.0020	4/12/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	4/12/2013
Titanium	EPA 200.7	0.035	mg/L	0.0050	4/12/2013
Vanadium	EPA 200.7	0.032	mg/L	0.010	4/12/2013
Zinc	EPA 200.7	0.033	mg/L	0.010	4/12/2013
Antimony	EPA 200.8	0.49	mg/L	0.025	4/12/2013
Arsenic	EPA 200.8	2.7	mg/L	0.030	4/12/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	4/12/2013
Cadmium	EPA 200.8	<0.00090	mg/L	0.00090	4/12/2013
Chromium	EPA 200.8	0.0025	mg/L	0.0010	4/12/2013
Copper	EPA 200.8	0.0095	mg/L	0.0025	4/12/2013
Lead	EPA 200.8	0.26	mg/L	0.020	4/12/2013
Nickel	EPA 200.8	0.0029	mg/L	0.0010	4/12/2013
Selenium	EPA 200.8	0.010	mg/L	0.0020	4/12/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	4/12/2013
Thallium	EPA 200.8	<0.00040	mg/L	0.00040	4/12/2013
Uranium	EPA 200.8	0.050	mg/L	0.0050	4/12/2013
Mercury	EPA 245.1	<0.00010	mg/L	0.00010	4/11/2013
Anions	Calculation	8.59	meq/L	0.10	
Cations	Calculation	8.69	meq/L	0.10	
Error	Calculation	<1.0	%	1.0	

Customer Sample ID: 63316 8 Apr 13

Collect Date/Time: 4/8/2013 13:20

WETLAB Sample ID: 1304141-002

Receive Date: 4/8/2013 13:50

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	<0.20	mg/L	0.20	4/12/2013

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Customer Sample ID: 63316 8 Apr 13

Collect Date/Time: 4/8/2013 13:20

WETLAB Sample ID: 1304141-002

Receive Date: 4/8/2013 13:50

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Thiocyanate	SM 4500 CNM	<0.10	mg/L	0.10	4/9/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	4/11/2013
pH	SM 4500-H+ B	8.80	pH Units		4/8/2013
Trace Metals Digestion	EPA 200.2	Complete			4/11/2013
Bicarbonate (HCO3)	SM 2320B	400	mg/L	1.0	4/8/2013
Carbonate (CO3)	SM 2320B	23	mg/L	1.0	4/8/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	4/8/2013
Total Alkalinity	SM 2320B	370	mg/L as CaCO3	1.0	4/8/2013
Redox Potential	SM 2580B	-119	mV		4/9/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	4/9/2013
Fluoride	EPA 300.0	1.0	mg/L	0.10	4/9/2013
Sulfate	EPA 300.0	89	mg/L	1.0	4/9/2013
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	4/8/2013
Nitrite Nitrogen	EPA 300.0	<0.010	mg/L	0.010	4/8/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.34	mg/L	0.20	4/10/2013
Total Nitrogen	Calc.	0.34	mg/L	0.10	4/10/2013
Total Cyanide	SM 4500CNC	0.042	mg/L	0.010	4/9/2013
Total Dissolved Solids (TDS)	SM 2540C	580	mg/L	10	4/9/2013
WAD Cyanide	SM 4500CNI	<0.010	mg/L	0.010	4/10/2013
Electrical Conductivity	SM 2510B	880	µmhos/cm	1	4/8/2013
Aluminum	EPA 200.7	1.8	mg/L	0.045	4/12/2013
Barium	EPA 200.7	0.029	mg/L	0.010	4/12/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	4/12/2013
Boron	EPA 200.7	0.032	mg/L	0.020	4/12/2013
Calcium	EPA 200.7	5.9	mg/L	0.500	4/12/2013
Cobalt	EPA 200.7	<0.0020	mg/L	0.0020	4/12/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	4/12/2013
Iron	EPA 200.7	1.2	mg/L	0.010	4/12/2013
Lithium	EPA 200.7	<0.020	mg/L	0.020	4/12/2013
Magnesium	EPA 200.7	0.43	mg/L	0.25	4/12/2013
Manganese	EPA 200.7	0.032	mg/L	0.0050	4/12/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	4/12/2013
Phosphorus	EPA 200.7	0.54	mg/L	0.10	4/12/2013
Potassium	EPA 200.7	3.6	mg/L	0.50	4/12/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	4/12/2013
Silicon	EPA 200.7	19	mg/L	0.10	4/12/2013
Sodium	EPA 200.7	200	mg/L	0.50	4/12/2013
Strontium	EPA 200.7	0.070	mg/L	0.0020	4/12/2013

Customer Sample ID: 63316 8 Apr 13

Collect Date/Time: 4/8/2013 13:20

WETLAB Sample ID: 1304141-002

Receive Date: 4/8/2013 13:50

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Tin	EPA 200.7	<0.010	mg/L	0.010	4/12/2013
Titanium	EPA 200.7	0.033	mg/L	0.0050	4/12/2013
Vanadium	EPA 200.7	0.026	mg/L	0.010	4/12/2013
Zinc	EPA 200.7	0.038	mg/L	0.010	4/12/2013
Antimony	EPA 200.8	0.48	mg/L	0.025	4/12/2013
Arsenic	EPA 200.8	2.7	mg/L	0.030	4/12/2013
Beryllium	EPA 200.8	<0.00035	mg/L	0.00035	4/12/2013
Cadmium	EPA 200.8	<0.00090	mg/L	0.00090	4/12/2013
Chromium	EPA 200.8	0.0022	mg/L	0.0010	4/12/2013
Copper	EPA 200.8	0.020	mg/L	0.0025	4/12/2013
Lead	EPA 200.8	0.24	mg/L	0.020	4/12/2013
Nickel	EPA 200.8	0.0025	mg/L	0.0010	4/12/2013
Selenium	EPA 200.8	0.0098	mg/L	0.0020	4/12/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	4/12/2013
Thallium	EPA 200.8	<0.00040	mg/L	0.00040	4/12/2013
Uranium	EPA 200.8	0.054	mg/L	0.0050	4/12/2013
Mercury	EPA 245.1	<0.00010	mg/L	0.00010	4/11/2013
Anions	Calculation	9.23	meq/L	0.10	
Cations	Calculation	9.35	meq/L	0.10	
Error	Calculation	<1.0	%	1.0	

Customer Sample ID: 63322 8 Apr 13

Collect Date/Time: 4/8/2013 13:20

WETLAB Sample ID: 1304141-003

Receive Date: 4/8/2013 13:50

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Cyanate	SM 4500 CNL	<0.20	mg/L	0.20	4/12/2013
Thiocyanate	SM 4500 CNM	0.16	mg/L	0.10	4/9/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	<0.050	mg/L	0.050	4/11/2013
pH	SM 4500-H+ B	8.78	pH Units		4/8/2013
Trace Metals Digestion	EPA 200.2	Complete			4/11/2013
Bicarbonate (HCO3)	SM 2320B	470	mg/L	1.0	4/8/2013
Carbonate (CO3)	SM 2320B	24	mg/L	1.0	4/8/2013
Hydroxide (OH)	SM 2320B	<1.0	mg/L	1.0	4/8/2013
Total Alkalinity	SM 2320B	420	mg/L as CaCO3	1.0	4/8/2013
Redox Potential	SM 2580B	-150	mV		4/9/2013
Chloride	EPA 300.0	<0.10	mg/L	0.10	4/9/2013
Fluoride	EPA 300.0	0.63	mg/L	0.10	4/9/2013
Sulfate	EPA 300.0	58	mg/L	1.0	4/9/2013

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Customer Sample ID: 63322 8 Apr 13

Collect Date/Time: 4/8/2013 13:20

WETLAB Sample ID: 1304141-003

Receive Date: 4/8/2013 13:50

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Nitrate Nitrogen	EPA 300.0	<0.010	mg/L	0.010	4/8/2013
Nitrite Nitrogen	EPA 300.0	0.015	mg/L	0.010	4/8/2013
Total Kjeldahl Nitrogen	EPA 351.2	0.34	mg/L	0.20	4/10/2013
Total Nitrogen	Calc.	0.35	mg/L	0.10	4/10/2013
Total Cyanide	SM 4500CNC	0.068	mg/L	0.010	4/9/2013
Total Dissolved Solids (TDS)	SM 2540C	570	mg/L	10	4/9/2013
WAD Cyanide	SM 4500CNI	0.049	mg/L	0.010	4/10/2013
Electrical Conductivity	SM 2510B	920	µmhos/cm	1	4/8/2013
Aluminum	EPA 200.7	1.4	mg/L	0.045	4/12/2013
Barium	EPA 200.7	0.022	mg/L	0.010	4/12/2013
Bismuth	EPA 200.7	<0.075	mg/L	0.075	4/12/2013
Boron	EPA 200.7	0.067	mg/L	0.020	4/12/2013
Calcium	EPA 200.7	4.9	mg/L	0.500	4/12/2013
Cobalt	EPA 200.7	0.0026	mg/L	0.0020	4/12/2013
Gallium	EPA 200.7	<0.020	mg/L	0.020	4/12/2013
Iron	EPA 200.7	0.87	mg/L	0.010	4/12/2013
Lithium	EPA 200.7	0.043	mg/L	0.020	4/12/2013
Magnesium	EPA 200.7	0.56	mg/L	0.25	4/12/2013
Manganese	EPA 200.7	0.026	mg/L	0.0050	4/12/2013
Molybdenum	EPA 200.7	<0.0050	mg/L	0.0050	4/12/2013
Phosphorus	EPA 200.7	0.42	mg/L	0.10	4/12/2013
Potassium	EPA 200.7	3.0	mg/L	0.50	4/12/2013
Scandium	EPA 200.7	<0.0010	mg/L	0.0010	4/12/2013
Silicon	EPA 200.7	16	mg/L	0.10	4/12/2013
Sodium	EPA 200.7	210	SC mg/L	0.50	4/12/2013
Strontium	EPA 200.7	0.069	mg/L	0.0020	4/12/2013
Tin	EPA 200.7	<0.010	mg/L	0.010	4/12/2013
Titanium	EPA 200.7	0.047	mg/L	0.0050	4/12/2013
Vanadium	EPA 200.7	0.018	mg/L	0.010	4/12/2013
Zinc	EPA 200.7	0.037	mg/L	0.010	4/12/2013
Antimony	EPA 200.8	0.21	SC mg/L	0.025	4/12/2013
Arsenic	EPA 200.8	1.7	SC mg/L	0.030	4/12/2013
Beryllium	EPA 200.8	0.0004	mg/L	0.00035	4/12/2013
Cadmium	EPA 200.8	<0.00090	mg/L	0.00090	4/12/2013
Chromium	EPA 200.8	0.0029	mg/L	0.0010	4/12/2013
Copper	EPA 200.8	0.043	SC mg/L	0.0025	4/12/2013
Lead	EPA 200.8	0.18	SC mg/L	0.020	4/12/2013
Nickel	EPA 200.8	0.0024	mg/L	0.0010	4/12/2013

Customer Sample ID: 63322 8 Apr 13**Collect Date/Time:** 4/8/2013 13:20**WETLAB Sample ID:** 1304141-003**Receive Date:** 4/8/2013 13:50

Parameter	Method	Results	Units	Reporting Limit	Date Analyzed
Selenium	EPA 200.8	0.0061	mg/L	0.0020	4/12/2013
Silver	EPA 200.8	<0.0015	mg/L	0.0015	4/12/2013
Thallium	EPA 200.8	<0.00040	mg/L	0.00040	4/12/2013
Uranium	EPA 200.8	0.046	mg/L	0.0050	4/12/2013
Mercury	EPA 245.1	0.00015	mg/L	0.00010	4/11/2013
Anions	Calculation	9.74	meq/L	0.10	
Cations	Calculation	9.71	meq/L	0.10	
Error	Calculation	<1.0	%	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13040295	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13040301	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13040301	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13040305	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13040305	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13040305	Blank 3	Chloride	EPA 300.0	ND	mg/L
QC13040307	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13040307	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13040307	Blank 3	Sulfate	EPA 300.0	ND	mg/L
QC13040311	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13040311	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13040312	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13040312	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13040336	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040336	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040336	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040337	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040337	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040358	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13040358	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13040375	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040375	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040376	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040376	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040386	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040386	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040386	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040405	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13040405	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13040415	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13040415	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13040428	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040428	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040428	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040443	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Units
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
QC13040460	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13040460	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L
QC13040462	Blank 1	Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13040295	LCS 1	Electrical Conductivity	SM 2510B	1421	1412	101	µmhos/cm
QC13040301	LCS 1	Fluoride	EPA 300.0	1.96	2.00	98	mg/L
QC13040305	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC13040307	LCS 1	Sulfate	EPA 300.0	25.1	25.0	100	mg/L
QC13040311	LCS 1	Nitrite Nitrogen	EPA 300.0	0.477	0.500	95	mg/L
QC13040312	LCS 1	Nitrate Nitrogen	EPA 300.0	0.508	0.500	102	mg/L
QC13040327	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13040327	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13040327	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040329	LCS 1	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13040329	LCS 2	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13040329	LCS 3	Total Alkalinity	SM 2320B	98.5	100	98	mg/L
QC13040336	LCS 1	WAD Cyanide	SM 4500CNI	0.083	0.100	83	mg/L
QC13040337	LCS 1	Total Cyanide	SM 4500CNC	0.090	0.100	90	mg/L
QC13040353	LCS 1	Redox Potential	SM 2580B	217	221	98	mV
QC13040375	LCS 1	WAD Cyanide	SM 4500CNI	0.102	0.100	102	mg/L
QC13040376	LCS 1	Total Cyanide	SM 4500CNC	0.092	0.100	92	mg/L
QC13040386	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.680	0.690	99	mg/L
QC13040405	LCS 1	Mercury	EPA 245.1	0.004520	0.005	90	mg/L
QC13040415	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	152	150	101	mg/L
QC13040415	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	153	150	102	mg/L
QC13040428	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.816	1.00	82	mg/L
QC13040443	LCS 1	Aluminum	EPA 200.7	1.01	1.00	101	mg/L
		Barium	EPA 200.7	1.02	1.00	102	mg/L
		Bismuth	EPA 200.7	1.06	1.00	106	mg/L
		Boron	EPA 200.7	0.993	1.00	99	mg/L
		Calcium	EPA 200.7	10.2	10.0	102	mg/L
		Cobalt	EPA 200.7	1.02	1.00	102	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units	
		Gallium	EPA 200.7	1.02	1.00	102	mg/L	
		Iron	EPA 200.7	1.02	1.00	102	mg/L	
		Lithium	EPA 200.7	0.987	1.00	99	mg/L	
		Magnesium	EPA 200.7	9.97	10.0	100	mg/L	
		Manganese	EPA 200.7	0.984	1.00	98	mg/L	
		Molybdenum	EPA 200.7	1.03	1.00	103	mg/L	
		Phosphorus	EPA 200.7	5.25	5.00	105	mg/L	
		Potassium	EPA 200.7	10.3	10.0	103	mg/L	
		Scandium	EPA 200.7	1.01	1.00	101	mg/L	
		Silicon	EPA 200.7	9.39	10.0	94	mg/L	
		Sodium	EPA 200.7	10.3	10.0	103	mg/L	
		Strontium	EPA 200.7	1.01	1.00	101	mg/L	
		Tin	EPA 200.7	1.00	1.00	100	mg/L	
		Titanium	EPA 200.7	0.983	1.00	98	mg/L	
		Vanadium	EPA 200.7	1.02	1.00	102	mg/L	
		Zinc	EPA 200.7	1.04	1.00	104	mg/L	
QC13040460	LCS 1	Cyanate	SM 4500 CNL	0.982	1.00	98	mg/L	
QC13040462	LCS 1	Antimony	EPA 200.8	0.0097	0.010	97	mg/L	
		Arsenic	EPA 200.8	0.0510	0.050	102	mg/L	
		Beryllium	EPA 200.8	0.0103	0.010	103	mg/L	
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L	
		Chromium	EPA 200.8	0.0100	0.010	100	mg/L	
		Copper	EPA 200.8	0.0099	0.010	99	mg/L	
		Lead	EPA 200.8	0.0101	0.010	101	mg/L	
		Nickel	EPA 200.8	0.0099	0.010	99	mg/L	
		Selenium	EPA 200.8	0.0478	0.050	96	mg/L	
		Silver	EPA 200.8	0.0094	0.010	94	mg/L	
		Thallium	EPA 200.8	0.0100	0.010	100	mg/L	
		Uranium	EPA 200.8	0.0099	0.010	99	mg/L	
QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13040295	Duplicate	Electrical Conductivity	SM 2510B	1304145-001	36.3	35.9	µmhos/cm	1 %
QC13040295	Duplicate	Electrical Conductivity	SM 2510B	1304145-011	164	160	µmhos/cm	2 %
QC13040327	Duplicate	pH	SM 4500-H+ B	1304141-001	8.69	8.70	pH Units	<1%
QC13040327	Duplicate	pH	SM 4500-H+ B	1304143-001	2.44	2.44	pH Units	<1%
QC13040327	Duplicate	pH	SM 4500-H+ B	1304143-002	7.53	7.58	pH Units	1 %
QC13040327	Duplicate	pH	SM 4500-H+ B	1304143-003	7.75	7.77	pH Units	<1%
QC13040329	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304141-001	409	408	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1304141-001	16.6	16.7	mg/L	1 %
		Hydroxide (OH)	SM 2320B	1304141-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304141-001	363	362	mg/L as CaCO3	<1%
QC13040329	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304145-008	1.52	2.07	Q mg/L	31 %
		Carbonate (CO3)	SM 2320B	1304145-008	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304145-008	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304145-008	1.25	1.70	Q mg/L as CaCO3	31 %
QC13040329	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304143-002	37.7	38.0	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1304143-002	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304143-002	ND	ND	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13040329	Duplicate	Total Alkalinity	SM 2320B	1304143-002	31.0	31.2	mg/L as CaCO3	1 %
		Bicarbonate (HCO3)	SM 2320B	1304143-003	63.2	62.0	mg/L	2 %
		Carbonate (CO3)	SM 2320B	1304143-003	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304143-003	ND	ND	mg/L	<1%
QC13040353	Duplicate	Total Alkalinity	SM 2320B	1304143-003	51.8	50.8	mg/L as CaCO3	2 %
		Redox Potential	SM 2580B	1304145-001	155	151	mV	3 %
QC13040353	Duplicate	Redox Potential	SM 2580B	1304145-011	383	380	mV	1 %
QC13040415	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304094-001	55.0	57.0	mg/L	4 %
QC13040415	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304125-001	72.0	73.0	mg/L	1 %
QC13040415	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304136-001	168	179	mg/L	6 %
QC13040415	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304136-003	452	429	mg/L	5 %
QC13040460	Duplicate	Cyanate	SM 4500 CNL	1304141-003	ND	ND	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13040301	MS 1	Fluoride	EPA 300.0	1304091-003	ND	1.89	1.97	2.00	mg/L	94	99	4 %
QC13040305	MS 1	Chloride	EPA 300.0	1304116-004	21.1	47.9	47.9	5.00	mg/L	107	108	<1%
QC13040305	MS 2	Chloride	EPA 300.0	1304091-003	ND	5.22	5.24	5.00	mg/L	105	105	<1%
QC13040307	MS 1	Sulfate	EPA 300.0	1304091-003	ND	10.0	10.2	10.0	mg/L	102	103	2 %
QC13040307	MS 2	Sulfate	EPA 300.0	1304117-004	331	435	434	10.0	mg/L	104	103	<1%
QC13040311	MS 1	Nitrite Nitrogen	EPA 300.0	1304141-001	0.029	0.134	0.138	0.125	mg/L	84	88	3 %
QC13040312	MS 1	Nitrate Nitrogen	EPA 300.0	1304141-001	0.223	0.711	0.718	0.500	mg/L	98	99	1 %
QC13040336	MS 1	WAD Cyanide	SM 4500CNI	1304141-001	0.015	0.114	0.111	0.100	mg/L	114	111	3 %
QC13040336	MS 2	WAD Cyanide	SM 4500CNI	1304084-006	ND	0.093	0.093	0.100	mg/L	93	93	<1%
QC13040337	MS 1	Total Cyanide	SM 4500CNC	1304141-002	0.042	0.139	0.138	0.100	mg/L	96	96	1 %
QC13040358	MS 1	Thiocyanate	SM 4500 CN	1304141-001	0.355	0.797	0.792	0.500	mg/L	88	87	1 %
QC13040375	MS 1	WAD Cyanide	SM 4500CNI	1304121-001	ND	0.101	0.097	0.100	mg/L	101	97	4 %
QC13040376	MS 1	Total Cyanide	SM 4500CNC	1304141-001	0.221	M 0.300	0.324	0.100	mg/L	NC	NC	NC
QC13040386	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1304115-001	2.15	M 2.45	2.46	0.690	mg/L	NC	NC	NC
QC13040386	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1304121-001	0.327	0.962	0.974	0.690	mg/L	92	94	1 %
QC13040405	MS 1	Mercury	EPA 245.1	1304141-003	0.000150	0.004670	0.004750	0.005	mg/L	90	92	2 %
QC13040428	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1304161-002	0.124	0.943	1.01	1.00	mg/L	82	89	7 %
QC13040428	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1304213-001	ND	0.986	0.959	1.00	mg/L	99	96	3 %
QC13040443	MS 1	Aluminum	EPA 200.7	1304141-003	1.40	2.61	3.01	1.00	mg/L	121	161	14 %
		Barium	EPA 200.7	1304141-003	0.022	1.03	1.04	1.00	mg/L	101	102	1 %
		Bismuth	EPA 200.7	1304141-003	ND	1.03	1.04	1.00	mg/L	103	104	1 %
		Boron	EPA 200.7	1304141-003	0.067	1.08	1.09	1.00	mg/L	101	102	1 %
		Calcium	EPA 200.7	1304141-003	4.88	15.1	15.3	10.0	mg/L	102	104	1 %
		Cobalt	EPA 200.7	1304141-003	0.003	1.01	1.00	1.00	mg/L	101	100	1 %
		Gallium	EPA 200.7	1304141-003	ND	0.970	0.971	1.00	mg/L	97	97	<1%
		Iron	EPA 200.7	1304141-003	0.870	2.02	2.18	1.00	mg/L	115	131	8 %
		Lithium	EPA 200.7	1304141-003	0.043	0.980	0.970	1.00	mg/L	94	93	1 %
		Magnesium	EPA 200.7	1304141-003	0.560	10.7	10.7	10.0	mg/L	101	101	<1%
		Manganese	EPA 200.7	1304141-003	0.026	0.991	0.991	1.00	mg/L	96	96	<1%
		Molybdenum	EPA 200.7	1304141-003	ND	1.03	1.03	1.00	mg/L	103	103	<1%
		Phosphorus	EPA 200.7	1304141-003	0.422	5.78	5.87	5.00	mg/L	107	109	2 %
		Potassium	EPA 200.7	1304141-003	3.03	13.3	13.4	10.0	mg/L	103	104	1 %
		Scandium	EPA 200.7	1304141-003	ND	1.02	1.02	1.00	mg/L	102	102	<1%
		Silicon	EPA 200.7	1304141-003	16.2	26.7	27.6	10.0	mg/L	105	114	3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13040462	MS 1	Sodium	EPA 200.7	1304141-003	210	SC 225	228	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1304141-003	0.069	1.10	1.08	1.00	mg/L	103	101	2 %
		Tin	EPA 200.7	1304141-003	ND	1.01	1.00	1.00	mg/L	101	100	1 %
		Titanium	EPA 200.7	1304141-003	0.047	1.05	1.04	1.00	mg/L	100	99	1 %
		Vanadium	EPA 200.7	1304141-003	0.018	1.04	1.04	1.00	mg/L	102	102	<1%
		Zinc	EPA 200.7	1304141-003	0.037	1.13	1.13	1.00	mg/L	109	109	<1%
		Antimony	EPA 200.8	1304141-003	0.2065	SC 0.2295	0.2278	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1304141-003	1.7366	SC 1.9123	1.9011	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1304141-003	0.0004	0.0108	0.0110	0.010	mg/L	104	106	2 %
		Cadmium	EPA 200.8	1304141-003	ND	0.0083	0.0085	0.010	mg/L	83	85	2 %
		Chromium	EPA 200.8	1304141-003	0.0029	0.0140	0.0142	0.010	mg/L	111	113	1 %
		Copper	EPA 200.8	1304141-003	0.0433	SC 0.0587	0.0591	0.010	mg/L	NC	NC	NC
		Lead	EPA 200.8	1304141-003	0.1754	SC 0.1979	0.1971	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1304141-003	0.0024	0.0133	0.0132	0.010	mg/L	109	108	1 %
		Selenium	EPA 200.8	1304141-003	0.0061	0.0508	0.0516	0.050	mg/L	90	91	2 %
		Silver	EPA 200.8	1304141-003	ND	0.0091	0.0093	0.010	mg/L	86	88	2 %
		Thallium	EPA 200.8	1304141-003	ND	0.0093	0.0093	0.010	mg/L	93	93	<1%
		Uranium	EPA 200.8	1304141-003	0.0464	0.0573	0.0565	0.010	mg/L	109	101	1 %

4/22/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1304261

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 4/15/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1304261

General Comments

None

Specific Comments

None

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 4/22/2013

OrderID: 1304261

Customer Sample ID: 63301 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-001

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Thiocyanate	SM 4500 CNM	0.34	mg/L	1	0.10	4/16/2013
Cyanate	SM 4500 CNL	0.16 Q	mg/L	1	0.050	4/19/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	4/19/2013
pH	SM 4500-H+ B	8.61	pH Units	1		4/15/2013
Acidity (Titrimetric)	SM 2310B	-53	mg/L as CaCO3	1		4/18/2013
Bicarbonate (HCO3)	SM 2320B	390	mg/L	1	1.0	4/15/2013
Carbonate (CO3)	SM 2320B	14	mg/L	1	1.0	4/15/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	4/15/2013
Total Alkalinity	SM 2320B	340	mg/L as CaCO3	1	1.0	4/15/2013
Redox Potential	SM 2580B	-148	mV	1		4/15/2013
Total Nitrogen	Calc.	0.67	mg/L	1	0.10	4/16/2013
Total Cyanide	SM 4500CNC	0.15	mg/L	1	0.010	4/17/2013
Total Dissolved Solids (TDS)	SM 2540C	490	mg/L	1	10	4/16/2013
WAD Cyanide	SM 4500CNI	0.027	mg/L	1	0.010	4/18/2013
Electrical Conductivity	SM 2510B	770	µmhos/cm	1	1	4/17/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	4/16/2013
Fluoride	EPA 300.0	0.72	mg/L	1	0.10	4/16/2013
Sulfate	EPA 300.0	56	mg/L	1	1.0	4/16/2013
Nitrate Nitrogen	EPA 300.0	0.30	mg/L	1	0.010	4/16/2013
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.010	4/16/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.67	mg/L	1	0.10	4/16/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.0	mg/L	1	0.045	4/17/2013
Barium	EPA 200.7	0.028	mg/L	1	0.010	4/17/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	4/17/2013
Boron	EPA 200.7	0.034	mg/L	1	0.020	4/17/2013
Calcium	EPA 200.7	7.1	mg/L	1	0.500	4/17/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	4/17/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	4/17/2013
Iron	EPA 200.7	1.1	mg/L	1	0.010	4/17/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

Page 3 of 12

Customer Sample ID: 63301 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-001

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Lithium	EPA 200.7	ND	mg/L	1	0.020	4/17/2013
Magnesium	EPA 200.7	0.53	mg/L	1	0.50	4/17/2013
Manganese	EPA 200.7	0.034	mg/L	1	0.0050	4/17/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	4/17/2013
Phosphorus	EPA 200.7	0.70	mg/L	1	0.50	4/17/2013
Potassium	EPA 200.7	3.7	mg/L	1	0.50	4/17/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	4/17/2013
Silicon	EPA 200.7	21	mg/L	1	0.10	4/17/2013
Sodium	EPA 200.7	200	mg/L	1	0.50	4/17/2013
Strontium	EPA 200.7	0.094	mg/L	1	0.0020	4/17/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	4/17/2013
Titanium	EPA 200.7	0.030	mg/L	1	0.0050	4/17/2013
Vanadium	EPA 200.7	0.028	mg/L	1	0.010	4/17/2013
Zinc	EPA 200.7	0.025	mg/L	1	0.010	4/17/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.43 SC	mg/L	10	0.025	4/19/2013
Arsenic	EPA 200.8	2.3 SC	mg/L	10	0.030	4/19/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	4/19/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	4/19/2013
Chromium	EPA 200.8	0.0015	mg/L	1	0.0010	4/19/2013
Copper	EPA 200.8	0.0075	mg/L	1	0.0025	4/19/2013
Lead	EPA 200.8	0.19 SC	mg/L	10	0.020	4/19/2013
Nickel	EPA 200.8	0.0025	mg/L	1	0.0010	4/19/2013
Selenium	EPA 200.8	0.0096	mg/L	1	0.0020	4/19/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	4/19/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	4/19/2013
Uranium	EPA 200.8	0.044	mg/L	1	0.0050	4/19/2013

Mercury by CVAA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	4/16/2013

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		4/16/2013

Customer Sample ID: 63316 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-002

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Cyanate	SM 4500 CNL	0.08	mg/L	1	0.050	4/19/2013
Thiocyanate	SM 4500 CNM	0.31	mg/L	1	0.10	4/16/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	4/19/2013
pH	SM 4500-H+ B	8.75	pH Units	1		4/15/2013
Acidity (Titrimetric)	SM 2310B	-70	mg/L as CaCO3	1		4/18/2013
Bicarbonate (HCO3)	SM 2320B	400	mg/L	1	1.0	4/15/2013
Carbonate (CO3)	SM 2320B	22	mg/L	1	1.0	4/15/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	4/15/2013
Total Alkalinity	SM 2320B	370	mg/L as CaCO3	1	1.0	4/15/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-002

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Redox Potential	SM 2580B	-155	mV	1		4/15/2013
Total Nitrogen	Calc.	0.43	mg/L	1	0.10	4/16/2013
Total Cyanide	SM 4500CNC	0.049	mg/L	1	0.010	4/17/2013
Total Dissolved Solids (TDS)	SM 2540C	570	mg/L	1	10	4/16/2013
WAD Cyanide	SM 4500CNI	0.0182.	mg/L	1	0.010	4/18/2013
Electrical Conductivity	SM 2510B	870	µmhos/cm	1	1	4/17/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	ND	mg/L	1	0.10	4/16/2013
Fluoride	EPA 300.0	1.0	mg/L	1	0.10	4/16/2013
Sulfate	EPA 300.0	92	mg/L	1	1.0	4/16/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	4/16/2013
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.010	4/16/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.43	mg/L	1	0.10	4/16/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	2.1	mg/L	1	0.045	4/17/2013
Barium	EPA 200.7	0.027	mg/L	1	0.010	4/17/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	4/17/2013
Boron	EPA 200.7	0.031	mg/L	1	0.020	4/17/2013
Calcium	EPA 200.7	6.3	mg/L	1	0.500	4/17/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	4/17/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	4/17/2013
Iron	EPA 200.7	1.4	mg/L	1	0.010	4/17/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	4/17/2013
Magnesium	EPA 200.7	0.40	mg/L	1	0.25	4/17/2013
Manganese	EPA 200.7	0.031	mg/L	1	0.0050	4/17/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	4/17/2013
Phosphorus	EPA 200.7	0.49	mg/L	1	0.10	4/17/2013
Potassium	EPA 200.7	3.7	mg/L	1	0.50	4/17/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	4/17/2013
Silicon	EPA 200.7	21	mg/L	1	0.10	4/17/2013
Sodium	EPA 200.7	220	mg/L	1	0.50	4/17/2013
Strontium	EPA 200.7	0.073	mg/L	1	0.0020	4/17/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	4/17/2013
Titanium	EPA 200.7	0.035	mg/L	1	0.0050	4/17/2013
Vanadium	EPA 200.7	0.025	mg/L	1	0.010	4/17/2013
Zinc	EPA 200.7	0.037	mg/L	1	0.010	4/17/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	2.4	mg/L	10	0.025	4/19/2013
Arsenic	EPA 200.8	0.45	mg/L	10	0.030	4/19/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	4/19/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	4/19/2013
Chromium	EPA 200.8	0.0016	mg/L	1	0.0010	4/19/2013
Copper	EPA 200.8	0.021	mg/L	1	0.0025	4/19/2013
Lead	EPA 200.8	0.21	mg/L	10	0.020	4/19/2013
Nickel	EPA 200.8	0.0032	mg/L	1	0.0010	4/19/2013
Selenium	EPA 200.8	0.0097	mg/L	1	0.0020	4/19/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-002

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Silver	EPA 200.8	ND	mg/L	1	0.0015	4/19/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	4/19/2013
Uranium	EPA 200.8	0.052	mg/L	1	0.0050	4/19/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	4/16/2013
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		4/16/2013

Customer Sample ID: 63322 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-003

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	0.09	mg/L	1	0.050	4/19/2013
Thiocyanate	SM 4500 CNM	0.14	mg/L	1	0.10	4/16/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	4/19/2013
pH	SM 4500-H+ B	8.68	pH Units	1		4/15/2013
Acidity (Titrimetric)	SM 2310B	-54	mg/L as CaCO3	1		4/18/2013
Bicarbonate (HCO3)	SM 2320B	440	mg/L	1	1.0	4/15/2013
Carbonate (CO3)	SM 2320B	19	mg/L	1	1.0	4/15/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	4/15/2013
Total Alkalinity	SM 2320B	390	mg/L as CaCO3	1	1.0	4/15/2013
Redox Potential	SM 2580B	-178	mV	1		4/15/2013
Total Nitrogen	Calc.	0.28	mg/L	1	0.10	4/16/2013
Total Cyanide	SM 4500CNC	0.041	mg/L	1	0.010	4/17/2013
Total Dissolved Solids (TDS)	SM 2540C	540	mg/L	1	10	4/16/2013
WAD Cyanide	SM 4500CNI	0.024	mg/L	1	0.010	4/18/2013
Electrical Conductivity	SM 2510B	870	µmhos/cm	1	1	4/17/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	ND	mg/L	1	0.10	4/16/2013
Fluoride	EPA 300.0	0.56	mg/L	1	0.10	4/16/2013
Sulfate	EPA 300.0	62	mg/L	1	1.0	4/16/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	4/16/2013
Nitrite Nitrogen	EPA 300.0	0.028	mg/L	1	0.010	4/16/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.28	mg/L	1	0.10	4/16/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	1.5	mg/L	1	0.045	4/17/2013
Barium	EPA 200.7	0.023	mg/L	1	0.010	4/17/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	4/17/2013
Boron	EPA 200.7	0.060	mg/L	1	0.020	4/17/2013
Calcium	EPA 200.7	5.0	mg/L	1	0.500	4/17/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	4/17/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	4/17/2013
Iron	EPA 200.7	0.99	mg/L	1	0.010	4/17/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-003

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Lithium	EPA 200.7	0.044	mg/L	1	0.020	4/17/2013
Magnesium	EPA 200.7	0.59	mg/L	1	0.50	4/17/2013
Manganese	EPA 200.7	0.025	mg/L	1	0.0050	4/17/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	4/17/2013
Phosphorus	EPA 200.7	ND	mg/L	1	0.50	4/17/2013
Potassium	EPA 200.7	3.2	mg/L	1	0.50	4/17/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	4/17/2013
Silicon	EPA 200.7	17	mg/L	1	0.10	4/17/2013
Sodium	EPA 200.7	230	mg/L	1	0.50	4/17/2013
Strontium	EPA 200.7	0.070	mg/L	1	0.0020	4/17/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	4/17/2013
Titanium	EPA 200.7	0.051	mg/L	1	0.0050	4/17/2013
Vanadium	EPA 200.7	0.019	mg/L	1	0.010	4/17/2013
Zinc	EPA 200.7	0.028	mg/L	1	0.010	4/17/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.20	mg/L	10	0.025	4/19/2013
Arsenic	EPA 200.8	1.6	mg/L	10	0.030	4/19/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	4/19/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	4/19/2013
Chromium	EPA 200.8	0.0019	mg/L	1	0.0010	4/19/2013
Copper	EPA 200.8	0.032	mg/L	1	0.0025	4/19/2013
Lead	EPA 200.8	0.17	mg/L	10	0.020	4/19/2013
Nickel	EPA 200.8	0.0026	mg/L	1	0.0010	4/19/2013
Selenium	EPA 200.8	0.0062	mg/L	1	0.0020	4/19/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	4/19/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	4/19/2013
Uranium	EPA 200.8	0.048	mg/L	1	0.0050	4/19/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	4/16/2013
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		4/16/2013

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13040521	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13040521	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13040523	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13040523	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13040526	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13040526	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13040544	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13040544	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13040568	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040568	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040568	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040568	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040576	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13040576	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13040577	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13040577	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13040585	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040585	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040586	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13040586	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13040588	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13040588	Blank 2	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13040588	Blank 3	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13040591	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
QC13040630	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC13040630	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13040636	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040636	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040636	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040648	Blank 1	Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L
QC13040672	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13040672	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L
QC13040684	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040684	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040684	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040684	Blank 4	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13040502	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC13040521	LCS 1	Fluoride	EPA 300.0	1.92	2.00	96	mg/L
QC13040523	LCS 1	Chloride	EPA 300.0	10.4	10.0	104	mg/L
QC13040526	LCS 1	Sulfate	EPA 300.0	24.5	25.0	98	mg/L
QC13040543	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040543	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040543	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040544	LCS 1	Mercury	EPA 245.1	0.004600	0.005	92	mg/L
QC13040546	LCS 1	Total Alkalinity	SM 2320B	99.1	100	99	mg/L
QC13040546	LCS 2	Total Alkalinity	SM 2320B	99.1	100	99	mg/L
QC13040546	LCS 3	Total Alkalinity	SM 2320B	99.1	100	99	mg/L
QC13040546	LCS 4	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC13040568	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.636	0.690	92	mg/L
QC13040568	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.633	0.690	92	mg/L
QC13040576	LCS 1	Nitrite Nitrogen	EPA 300.0	0.468	0.500	94	mg/L
QC13040577	LCS 1	Nitrate Nitrogen	EPA 300.0	0.534	0.500	107	mg/L
QC13040585	LCS 1	Total Cyanide	SM 4500CNC	0.098	0.100	98	mg/L
QC13040588	LCS 1	Electrical Conductivity	SM 2510B	1433	1412	101	µmhos/cm
QC13040588	LCS 2	Electrical Conductivity	SM 2510B	1429	1412	101	µmhos/cm
QC13040591	LCS 1	Aluminum	EPA 200.7	0.999	1.00	100	mg/L
		Barium	EPA 200.7	0.986	1.00	99	mg/L
		Bismuth	EPA 200.7	1.03	1.00	103	mg/L
		Boron	EPA 200.7	1.00	1.00	100	mg/L
		Calcium	EPA 200.7	9.80	10.0	98	mg/L
		Cobalt	EPA 200.7	1.00	1.00	100	mg/L
		Gallium	EPA 200.7	1.01	1.00	101	mg/L
		Iron	EPA 200.7	0.969	1.00	97	mg/L
		Lithium	EPA 200.7	0.972	1.00	97	mg/L
		Magnesium	EPA 200.7	9.59	10.0	96	mg/L

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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
		Manganese	EPA 200.7	0.981	1.00	98	mg/L
		Molybdenum	EPA 200.7	0.991	1.00	99	mg/L
		Phosphorus	EPA 200.7	5.13	5.00	103	mg/L
		Potassium	EPA 200.7	9.76	10.0	98	mg/L
		Scandium	EPA 200.7	0.967	1.00	97	mg/L
		Silicon	EPA 200.7	9.49	10.0	95	mg/L
		Sodium	EPA 200.7	9.86	10.0	99	mg/L
		Strontium	EPA 200.7	0.980	1.00	98	mg/L
		Tin	EPA 200.7	1.01	1.00	101	mg/L
		Titanium	EPA 200.7	0.968	1.00	97	mg/L
		Vanadium	EPA 200.7	0.979	1.00	98	mg/L
		Zinc	EPA 200.7	1.02	1.00	102	mg/L
QC13040630	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	144	150	96	mg/L
QC13040630	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	137	150	92	mg/L
QC13040636	LCS 1	WAD Cyanide	SM 4500CNI	0.092	0.100	92	mg/L
QC13040648	LCS 1	Antimony	EPA 200.8	0.0098	0.010	98	mg/L
		Arsenic	EPA 200.8	0.0507	0.050	101	mg/L
		Beryllium	EPA 200.8	0.0103	0.010	103	mg/L
		Cadmium	EPA 200.8	0.0102	0.010	102	mg/L
		Chromium	EPA 200.8	0.0095	0.010	95	mg/L
		Copper	EPA 200.8	0.0092	0.010	92	mg/L
		Lead	EPA 200.8	0.0100	0.010	100	mg/L
		Nickel	EPA 200.8	0.0101	0.010	101	mg/L
		Selenium	EPA 200.8	0.0485	0.050	97	mg/L
		Silver	EPA 200.8	0.0095	0.010	95	mg/L
		Thallium	EPA 200.8	0.0101	0.010	101	mg/L
		Uranium	EPA 200.8	0.0100	0.010	100	mg/L
QC13040672	LCS 1	Cyanate	SM 4500 CNL	1.02	1.00	102	mg/L
QC13040684	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	1.01	1.00	101	mg/L
QC13040684	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.978	1.00	98	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13040502	Duplicate	Redox Potential	SM 2580B	1304261-001	ND	ND	mV	<1%
QC13040543	Duplicate	pH	SM 4500-H+ B	1304261-001	8.61	8.62	pH Units	<1%
QC13040543	Duplicate	pH	SM 4500-H+ B	1304261-002	8.75	8.75	pH Units	<1%
QC13040543	Duplicate	pH	SM 4500-H+ B	1304261-003	8.68	8.69	pH Units	<1%
QC13040543	Duplicate	pH	SM 4500-H+ B	1304271-007	4.47	4.38	pH Units	2 %
QC13040543	Duplicate	pH	SM 4500-H+ B	1304271-016	6.32	6.38	pH Units	1 %
QC13040546	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304261-001	389	390	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1304261-001	13.6	13.6	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304261-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304261-001	342	342	mg/L as CaCO3	<1%
QC13040546	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304261-002	402	402	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1304261-002	21.6	21.6	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304261-002	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304261-002	366	365	mg/L as CaCO3	<1%
QC13040546	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304261-003	443	442	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1304261-003	18.6	19.5	mg/L	4 %

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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 Sparks, NV 89431 (775) 355-0202
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 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
		Hydroxide (OH)	SM 2320B	1304261-003	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304261-003	394	395	mg/L as CaCO3	<1%
QC13040588	Duplicate	Electrical Conductivity	SM 2510B	1304271-001	32.7	32.8	µmhos/cm	<1%
QC13040588	Duplicate	Electrical Conductivity	SM 2510B	1304271-011	158	159	µmhos/cm	1 %
QC13040588	Duplicate	Electrical Conductivity	SM 2510B	1304295-002	1613	1606	µmhos/cm	<1%
QC13040630	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304237-001	215	214	mg/L	<1%
QC13040630	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304239-001	477	466	mg/L	2 %
QC13040630	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304239-009	275	269	mg/L	2 %
QC13040672	Duplicate	Cyanate	SM 4500 CNL	1304261-001	0.160	0.088 Q	mg/L	59 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13040521	MS 1	Fluoride	EPA 300.0	1304234-012	0.584	10.3	10.5	2.00	mg/L	98	99	2 %
QC13040523	MS 1	Chloride	EPA 300.0	1304234-012	33.2	60.4	60.6	5.00	mg/L	109	110	<1%
QC13040526	MS 1	Sulfate	EPA 300.0	1304234-012	65.6	120	120	10.0	mg/L	109	110	<1%
QC13040544	MS 1	Mercury	EPA 245.1	1304261-001	ND	0.004600	0.004800	0.005	mg/L	92	96	4 %
QC13040568	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1304237-001	ND	0.785	0.730	0.690	mg/L	102	94	7 %
QC13040568	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1304233-007	80.8	SC 79.4	91.8	0.690	mg/L	NC	NC	NC
QC13040568	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1304269-004	13.7	SC 13.1	13.7	0.690	mg/L	NC	NC	NC
QC13040576	MS 1	Nitrite Nitrogen	EPA 300.0	1304261-003	0.028	0.134	0.138	0.125	mg/L	85	89	3 %
QC13040577	MS 1	Nitrate Nitrogen	EPA 300.0	1304261-003	ND	0.492	0.492	0.500	mg/L	97	97	<1%
QC13040585	MS 1	Total Cyanide	SM 4500CNC	1304261-001	0.150	0.269	0.257	0.100	mg/L	119	106	5 %
QC13040586	MS 1	Thiocyanate	SM 4500 CN	1304261-001	0.338	0.772	0.789	0.500	mg/L	87	90	2 %
QC13040591	MS 1	Aluminum	EPA 200.7	1304261-001	2.02	3.39	3.31	1.00	mg/L	137	129	2 %
		Barium	EPA 200.7	1304261-001	0.028	1.06	1.02	1.00	mg/L	103	99	4 %
		Bismuth	EPA 200.7	1304261-001	ND	1.03	1.07	1.00	mg/L	102	106	4 %
		Boron	EPA 200.7	1304261-001	0.034	1.07	1.12	1.00	mg/L	104	109	5 %
		Calcium	EPA 200.7	1304261-001	7.09	15.0	15.0	10.0	mg/L	79	79	<1%
		Cobalt	EPA 200.7	1304261-001	ND	0.968	0.988	1.00	mg/L	97	99	2 %
		Gallium	EPA 200.7	1304261-001	ND	1.00	0.998	1.00	mg/L	100	100	<1%
		Iron	EPA 200.7	1304261-001	1.07	1.88	1.85	1.00	mg/L	81	78	2 %
		Lithium	EPA 200.7	1304261-001	ND	0.875	0.880	1.00	mg/L	87	87	1 %
		Magnesium	EPA 200.7	1304261-001	0.530	9.35	9.26	10.0	mg/L	88	87	1 %
		Manganese	EPA 200.7	1304261-001	0.034	1.02	1.02	1.00	mg/L	99	99	<1%
		Molybdenum	EPA 200.7	1304261-001	ND	0.977	0.989	1.00	mg/L	97	98	1 %
		Phosphorus	EPA 200.7	1304261-001	0.703	5.84	6.08	5.00	mg/L	103	108	4 %
		Potassium	EPA 200.7	1304261-001	3.74	12.3	12.3	10.0	mg/L	86	86	<1%
		Scandium	EPA 200.7	1304261-001	ND	0.989	0.986	1.00	mg/L	99	99	<1%
		Silicon	EPA 200.7	1304261-001	21.2	28.9	28.4	10.0	mg/L	77	72	2 %
		Sodium	EPA 200.7	1304261-001	195	177	176	10.0	mg/L	0	0	1 %
		Strontium	EPA 200.7	1304261-001	0.094	0.976	0.985	1.00	mg/L	88	89	1 %
		Tin	EPA 200.7	1304261-001	ND	0.990	1.01	1.00	mg/L	99	101	2 %
		Titanium	EPA 200.7	1304261-001	0.030	0.932	0.923	1.00	mg/L	90	89	1 %
		Vanadium	EPA 200.7	1304261-001	0.028	1.02	1.01	1.00	mg/L	99	98	1 %
		Zinc	EPA 200.7	1304261-001	0.025	1.07	1.09	1.00	mg/L	105	107	2 %
QC13040636	MS 1	WAD Cyanide	SM 4500CNI	1304242-001	ND	0.103	0.098	0.100	mg/L	103	98	5 %
QC13040636	MS 2	WAD Cyanide	SM 4500CNI	1304303-001	ND	0.097	0.100	0.100	mg/L	90	93	3 %
QC13040648	MS 1	Antimony	EPA 200.8	1304261-001	0.4297	SC 0.4504	0.4438	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1304261-001	2.3355	SC 2.4770	2.4773	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1304261-001	ND	0.0109	0.0108	0.010	mg/L	109	108	1 %

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Cadmium	EPA 200.8	1304261-001	ND	0.0095	0.0094	0.010	mg/L	95	94	1 %
		Chromium	EPA 200.8	1304261-001	0.0015	0.0120	0.0118	0.010	mg/L	105	103	2 %
		Copper	EPA 200.8	1304261-001	0.0075	0.0175	0.0176	0.010	mg/L	100	101	1 %
		Lead	EPA 200.8	1304261-001	0.1896	SC 0.2075	0.2035	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1304261-001	0.0025	0.0121	0.0122	0.010	mg/L	96	97	1 %
		Selenium	EPA 200.8	1304261-001	0.0096	0.0564	0.0547	0.050	mg/L	94	90	3 %
		Silver	EPA 200.8	1304261-001	ND	0.0096	0.0099	0.010	mg/L	91	94	3 %
		Thallium	EPA 200.8	1304261-001	ND	0.0094	0.0094	0.010	mg/L	94	94	<1%
		Uranium	EPA 200.8	1304261-001	0.0437	0.0528	0.0533	0.010	mg/L	91	96	1 %
QC13040684	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1304289-002	0.100	1.04	1.02	1.00	mg/L	94	92	2 %
QC13040684	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1304323-003	0.174	1.08	1.07	1.00	mg/L	90	89	1 %
QC13040684	MS 3	Ammonia, as Nitrogen	SM 4500 NH3	1304221-001	5.61	14.7	14.4	1.00	mg/L	90	88	2 %

6/5/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1304261

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 4/15/2013. Additional comments are located on page 2 of this report.

This is an amended report that includes corrected data for Antimony, Arsenic and WAD Cyanide on sample 1304261-002. Please see page two for additional comments. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassidy and Associates - 1304261

General Comments

None

Specific Comments

This amended report also includes a matrix qualifier for Aluminum on sample 1304261-001 and a sample concentration qualifier for Sodium on sample 1304261-001.

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Aluminum on sample 1304261-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 6/5/2013

OrderID: 1304261

Customer Sample ID: 63301 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-001

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Thiocyanate	SM 4500 CNM	0.34	mg/L	1	0.10	4/16/2013
Cyanate	SM 4500 CNL	0.16 Q	mg/L	1	0.050	4/19/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	4/19/2013
pH	SM 4500-H+ B	8.61	pH Units	1		4/15/2013
Acidity (Titrimetric)	SM 2310B	-53	mg/L as CaCO3	1		4/18/2013
Bicarbonate (HCO3)	SM 2320B	390	mg/L	1	1.0	4/15/2013
Carbonate (CO3)	SM 2320B	14	mg/L	1	1.0	4/15/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	4/15/2013
Total Alkalinity	SM 2320B	340	mg/L as CaCO3	1	1.0	4/15/2013
Redox Potential	SM 2580B	-148	mV	1		4/15/2013
Total Nitrogen	Calc.	0.67	mg/L	1	0.10	4/16/2013
Total Cyanide	SM 4500CNC	0.15	mg/L	1	0.010	4/17/2013
Total Dissolved Solids (TDS)	SM 2540C	490	mg/L	1	10	4/16/2013
WAD Cyanide	SM 4500CNI	0.027	mg/L	1	0.010	4/18/2013
Electrical Conductivity	SM 2510B	770	µmhos/cm	1	1	4/17/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	4/16/2013
Fluoride	EPA 300.0	0.72	mg/L	1	0.10	4/16/2013
Sulfate	EPA 300.0	56	mg/L	1	1.0	4/16/2013
Nitrate Nitrogen	EPA 300.0	0.30	mg/L	1	0.010	4/16/2013
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.010	4/16/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.67	mg/L	1	0.10	4/16/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.0 M	mg/L	1	0.045	4/17/2013
Barium	EPA 200.7	0.028	mg/L	1	0.010	4/17/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	4/17/2013
Boron	EPA 200.7	0.034	mg/L	1	0.020	4/17/2013
Calcium	EPA 200.7	7.1	mg/L	1	0.500	4/17/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	4/17/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	4/17/2013
Iron	EPA 200.7	1.1	mg/L	1	0.010	4/17/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63301 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-001

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Lithium	EPA 200.7	ND	mg/L	1	0.020	4/17/2013
Magnesium	EPA 200.7	0.53	mg/L	1	0.50	4/17/2013
Manganese	EPA 200.7	0.034	mg/L	1	0.0050	4/17/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	4/17/2013
Phosphorus	EPA 200.7	0.70	mg/L	1	0.50	4/17/2013
Potassium	EPA 200.7	3.7	mg/L	1	0.50	4/17/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	4/17/2013
Silicon	EPA 200.7	21	mg/L	1	0.10	4/17/2013
Sodium	EPA 200.7	200 SC	mg/L	1	0.50	4/17/2013
Strontium	EPA 200.7	0.094	mg/L	1	0.0020	4/17/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	4/17/2013
Titanium	EPA 200.7	0.030	mg/L	1	0.0050	4/17/2013
Vanadium	EPA 200.7	0.028	mg/L	1	0.010	4/17/2013
Zinc	EPA 200.7	0.025	mg/L	1	0.010	4/17/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.43 SC	mg/L	10	0.025	4/19/2013
Arsenic	EPA 200.8	2.3 SC	mg/L	10	0.030	4/19/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	4/19/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	4/19/2013
Chromium	EPA 200.8	0.0015	mg/L	1	0.0010	4/19/2013
Copper	EPA 200.8	0.0075	mg/L	1	0.0025	4/19/2013
Lead	EPA 200.8	0.19 SC	mg/L	10	0.020	4/19/2013
Nickel	EPA 200.8	0.0025	mg/L	1	0.0010	4/19/2013
Selenium	EPA 200.8	0.0096	mg/L	1	0.0020	4/19/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	4/19/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	4/19/2013
Uranium	EPA 200.8	0.044	mg/L	1	0.0050	4/19/2013

Mercury by CVAA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	4/16/2013

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		4/16/2013

Customer Sample ID: 63316 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-002

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Cyanate	SM 4500 CNL	0.08	mg/L	1	0.050	4/19/2013
Thiocyanate	SM 4500 CNM	0.31	mg/L	1	0.10	4/16/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	4/19/2013
pH	SM 4500-H+ B	8.75	pH Units	1		4/15/2013
Acidity (Titrimetric)	SM 2310B	-70	mg/L as CaCO3	1		4/18/2013
Bicarbonate (HCO3)	SM 2320B	400	mg/L	1	1.0	4/15/2013
Carbonate (CO3)	SM 2320B	22	mg/L	1	1.0	4/15/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	4/15/2013
Total Alkalinity	SM 2320B	370	mg/L as CaCO3	1	1.0	4/15/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63316 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-002

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Redox Potential	SM 2580B	-155	mV	1		4/15/2013
Total Nitrogen	Calc.	0.43	mg/L	1	0.10	4/16/2013
Total Cyanide	SM 4500CNC	0.049	mg/L	1	0.010	4/17/2013
Total Dissolved Solids (TDS)	SM 2540C	570	mg/L	1	10	4/16/2013
WAD Cyanide	SM 4500CNI	0.018	mg/L	1	0.010	4/18/2013
Electrical Conductivity	SM 2510B	870	µmhos/cm	1	1	4/17/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	ND	mg/L	1	0.10	4/16/2013
Fluoride	EPA 300.0	1.0	mg/L	1	0.10	4/16/2013
Sulfate	EPA 300.0	92	mg/L	1	1.0	4/16/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	4/16/2013
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.010	4/16/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.43	mg/L	1	0.10	4/16/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	2.1	mg/L	1	0.045	4/17/2013
Barium	EPA 200.7	0.027	mg/L	1	0.010	4/17/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	4/17/2013
Boron	EPA 200.7	0.031	mg/L	1	0.020	4/17/2013
Calcium	EPA 200.7	6.3	mg/L	1	0.500	4/17/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	4/17/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	4/17/2013
Iron	EPA 200.7	1.4	mg/L	1	0.010	4/17/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	4/17/2013
Magnesium	EPA 200.7	0.40	mg/L	1	0.25	4/17/2013
Manganese	EPA 200.7	0.031	mg/L	1	0.0050	4/17/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	4/17/2013
Phosphorus	EPA 200.7	0.49	mg/L	1	0.10	4/17/2013
Potassium	EPA 200.7	3.7	mg/L	1	0.50	4/17/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	4/17/2013
Silicon	EPA 200.7	21	mg/L	1	0.10	4/17/2013
Sodium	EPA 200.7	220	mg/L	1	0.50	4/17/2013
Strontium	EPA 200.7	0.073	mg/L	1	0.0020	4/17/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	4/17/2013
Titanium	EPA 200.7	0.035	mg/L	1	0.0050	4/17/2013
Vanadium	EPA 200.7	0.025	mg/L	1	0.010	4/17/2013
Zinc	EPA 200.7	0.037	mg/L	1	0.010	4/17/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.45	mg/L	10	0.025	4/19/2013
Arsenic	EPA 200.8	2.4	mg/L	10	0.030	4/19/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	4/19/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	4/19/2013
Chromium	EPA 200.8	0.0016	mg/L	1	0.0010	4/19/2013
Copper	EPA 200.8	0.021	mg/L	1	0.0025	4/19/2013
Lead	EPA 200.8	0.21	mg/L	10	0.020	4/19/2013
Nickel	EPA 200.8	0.0032	mg/L	1	0.0010	4/19/2013
Selenium	EPA 200.8	0.0097	mg/L	1	0.0020	4/19/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-002

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Silver	EPA 200.8	ND	mg/L	1	0.0015	4/19/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	4/19/2013
Uranium	EPA 200.8	0.052	mg/L	1	0.0050	4/19/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	4/16/2013
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		4/16/2013

Customer Sample ID: 63322 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-003

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	0.09	mg/L	1	0.050	4/19/2013
Thiocyanate	SM 4500 CNM	0.14	mg/L	1	0.10	4/16/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	4/19/2013
pH	SM 4500-H+ B	8.68	pH Units	1		4/15/2013
Acidity (Titrimetric)	SM 2310B	-54	mg/L as CaCO3	1		4/18/2013
Bicarbonate (HCO3)	SM 2320B	440	mg/L	1	1.0	4/15/2013
Carbonate (CO3)	SM 2320B	19	mg/L	1	1.0	4/15/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	4/15/2013
Total Alkalinity	SM 2320B	390	mg/L as CaCO3	1	1.0	4/15/2013
Redox Potential	SM 2580B	-178	mV	1		4/15/2013
Total Nitrogen	Calc.	0.28	mg/L	1	0.10	4/16/2013
Total Cyanide	SM 4500CNC	0.041	mg/L	1	0.010	4/17/2013
Total Dissolved Solids (TDS)	SM 2540C	540	mg/L	1	10	4/16/2013
WAD Cyanide	SM 4500CNI	0.024	mg/L	1	0.010	4/18/2013
Electrical Conductivity	SM 2510B	870	µmhos/cm	1	1	4/17/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	ND	mg/L	1	0.10	4/16/2013
Fluoride	EPA 300.0	0.56	mg/L	1	0.10	4/16/2013
Sulfate	EPA 300.0	62	mg/L	1	1.0	4/16/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	4/16/2013
Nitrite Nitrogen	EPA 300.0	0.028	mg/L	1	0.010	4/16/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.28	mg/L	1	0.10	4/16/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	1.5	mg/L	1	0.045	4/17/2013
Barium	EPA 200.7	0.023	mg/L	1	0.010	4/17/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	4/17/2013
Boron	EPA 200.7	0.060	mg/L	1	0.020	4/17/2013
Calcium	EPA 200.7	5.0	mg/L	1	0.500	4/17/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	4/17/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	4/17/2013
Iron	EPA 200.7	0.99	mg/L	1	0.010	4/17/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 15 Apr 13

Collect Date/Time: 4/15/2013 09:00

WETLAB Sample ID: 1304261-003

Receive Date: 4/15/2013 09:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Lithium	EPA 200.7	0.044	mg/L	1	0.020	4/17/2013
Magnesium	EPA 200.7	0.59	mg/L	1	0.50	4/17/2013
Manganese	EPA 200.7	0.025	mg/L	1	0.0050	4/17/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	4/17/2013
Phosphorus	EPA 200.7	ND	mg/L	1	0.50	4/17/2013
Potassium	EPA 200.7	3.2	mg/L	1	0.50	4/17/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	4/17/2013
Silicon	EPA 200.7	17	mg/L	1	0.10	4/17/2013
Sodium	EPA 200.7	230	mg/L	1	0.50	4/17/2013
Strontium	EPA 200.7	0.070	mg/L	1	0.0020	4/17/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	4/17/2013
Titanium	EPA 200.7	0.051	mg/L	1	0.0050	4/17/2013
Vanadium	EPA 200.7	0.019	mg/L	1	0.010	4/17/2013
Zinc	EPA 200.7	0.028	mg/L	1	0.010	4/17/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.20	mg/L	10	0.025	4/19/2013
Arsenic	EPA 200.8	1.6	mg/L	10	0.030	4/19/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	4/19/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	4/19/2013
Chromium	EPA 200.8	0.0019	mg/L	1	0.0010	4/19/2013
Copper	EPA 200.8	0.032	mg/L	1	0.0025	4/19/2013
Lead	EPA 200.8	0.17	mg/L	10	0.020	4/19/2013
Nickel	EPA 200.8	0.0026	mg/L	1	0.0010	4/19/2013
Selenium	EPA 200.8	0.0062	mg/L	1	0.0020	4/19/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	4/19/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	4/19/2013
Uranium	EPA 200.8	0.048	mg/L	1	0.0050	4/19/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	4/16/2013
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		4/16/2013

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13040521	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13040521	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13040523	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13040523	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13040526	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13040526	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13040544	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13040544	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13040568	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040568	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040568	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040568	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040576	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13040576	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13040577	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13040577	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13040585	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040585	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040586	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13040586	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13040588	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13040588	Blank 2	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13040588	Blank 3	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13040591	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
QC13040630	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC13040630	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13040636	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040636	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040636	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040648	Blank 1	Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L
QC13040672	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13040672	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L
QC13040684	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040684	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040684	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040684	Blank 4	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13040502	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC13040521	LCS 1	Fluoride	EPA 300.0	1.92	2.00	96	mg/L
QC13040523	LCS 1	Chloride	EPA 300.0	10.4	10.0	104	mg/L
QC13040526	LCS 1	Sulfate	EPA 300.0	24.5	25.0	98	mg/L
QC13040543	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040543	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040543	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13040544	LCS 1	Mercury	EPA 245.1	0.004600	0.005	92	mg/L
QC13040546	LCS 1	Total Alkalinity	SM 2320B	99.1	100	99	mg/L
QC13040546	LCS 2	Total Alkalinity	SM 2320B	99.1	100	99	mg/L
QC13040546	LCS 3	Total Alkalinity	SM 2320B	99.1	100	99	mg/L
QC13040546	LCS 4	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC13040568	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.636	0.690	92	mg/L
QC13040568	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.633	0.690	92	mg/L
QC13040576	LCS 1	Nitrite Nitrogen	EPA 300.0	0.468	0.500	94	mg/L
QC13040577	LCS 1	Nitrate Nitrogen	EPA 300.0	0.534	0.500	107	mg/L
QC13040585	LCS 1	Total Cyanide	SM 4500CNC	0.098	0.100	98	mg/L
QC13040588	LCS 1	Electrical Conductivity	SM 2510B	1433	1412	101	µmhos/cm
QC13040588	LCS 2	Electrical Conductivity	SM 2510B	1429	1412	101	µmhos/cm
QC13040591	LCS 1	Aluminum	EPA 200.7	0.999	1.00	100	mg/L
		Barium	EPA 200.7	0.986	1.00	99	mg/L
		Bismuth	EPA 200.7	1.03	1.00	103	mg/L
		Boron	EPA 200.7	1.00	1.00	100	mg/L
		Calcium	EPA 200.7	9.80	10.0	98	mg/L
		Cobalt	EPA 200.7	1.00	1.00	100	mg/L
		Gallium	EPA 200.7	1.01	1.00	101	mg/L
		Iron	EPA 200.7	0.969	1.00	97	mg/L
		Lithium	EPA 200.7	0.972	1.00	97	mg/L
		Magnesium	EPA 200.7	9.59	10.0	96	mg/L

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QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
		Manganese	EPA 200.7	0.981	1.00	98	mg/L
		Molybdenum	EPA 200.7	0.991	1.00	99	mg/L
		Phosphorus	EPA 200.7	5.13	5.00	103	mg/L
		Potassium	EPA 200.7	9.76	10.0	98	mg/L
		Scandium	EPA 200.7	0.967	1.00	97	mg/L
		Silicon	EPA 200.7	9.49	10.0	95	mg/L
		Sodium	EPA 200.7	9.86	10.0	99	mg/L
		Strontium	EPA 200.7	0.980	1.00	98	mg/L
		Tin	EPA 200.7	1.01	1.00	101	mg/L
		Titanium	EPA 200.7	0.968	1.00	97	mg/L
		Vanadium	EPA 200.7	0.979	1.00	98	mg/L
		Zinc	EPA 200.7	1.02	1.00	102	mg/L
QC13040630	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	144	150	96	mg/L
QC13040630	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	137	150	92	mg/L
QC13040636	LCS 1	WAD Cyanide	SM 4500CNI	0.092	0.100	92	mg/L
QC13040648	LCS 1	Antimony	EPA 200.8	0.0098	0.010	98	mg/L
		Arsenic	EPA 200.8	0.0507	0.050	101	mg/L
		Beryllium	EPA 200.8	0.0103	0.010	103	mg/L
		Cadmium	EPA 200.8	0.0102	0.010	102	mg/L
		Chromium	EPA 200.8	0.0095	0.010	95	mg/L
		Copper	EPA 200.8	0.0092	0.010	92	mg/L
		Lead	EPA 200.8	0.0100	0.010	100	mg/L
		Nickel	EPA 200.8	0.0101	0.010	101	mg/L
		Selenium	EPA 200.8	0.0485	0.050	97	mg/L
		Silver	EPA 200.8	0.0095	0.010	95	mg/L
		Thallium	EPA 200.8	0.0101	0.010	101	mg/L
		Uranium	EPA 200.8	0.0100	0.010	100	mg/L
QC13040672	LCS 1	Cyanate	SM 4500 CNL	1.02	1.00	102	mg/L
QC13040684	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	1.01	1.00	101	mg/L
QC13040684	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.978	1.00	98	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13040502	Duplicate	Redox Potential	SM 2580B	1304261-001	ND	ND	mV	<1%
QC13040543	Duplicate	pH	SM 4500-H+ B	1304261-001	8.61	8.62	pH Units	<1%
QC13040543	Duplicate	pH	SM 4500-H+ B	1304261-002	8.75	8.75	pH Units	<1%
QC13040543	Duplicate	pH	SM 4500-H+ B	1304261-003	8.68	8.69	pH Units	<1%
QC13040543	Duplicate	pH	SM 4500-H+ B	1304271-007	4.47	4.38	pH Units	2 %
QC13040543	Duplicate	pH	SM 4500-H+ B	1304271-016	6.32	6.38	pH Units	1 %
QC13040546	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304261-001	389	390	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1304261-001	13.6	13.6	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304261-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304261-001	342	342	mg/L as CaCO3	<1%
QC13040546	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304261-002	402	402	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1304261-002	21.6	21.6	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304261-002	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304261-002	366	365	mg/L as CaCO3	<1%
QC13040546	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304261-003	443	442	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1304261-003	18.6	19.5	mg/L	4 %

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 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
		Hydroxide (OH)	SM 2320B	1304261-003	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304261-003	394	395	mg/L as CaCO3	<1%
QC13040588	Duplicate	Electrical Conductivity	SM 2510B	1304271-001	32.7	32.8	µmhos/cm	<1%
QC13040588	Duplicate	Electrical Conductivity	SM 2510B	1304271-011	158	159	µmhos/cm	1 %
QC13040588	Duplicate	Electrical Conductivity	SM 2510B	1304295-002	1613	1606	µmhos/cm	<1%
QC13040630	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304237-001	215	214	mg/L	<1%
QC13040630	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304239-001	477	466	mg/L	2 %
QC13040630	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304239-009	275	269	mg/L	2 %
QC13040672	Duplicate	Cyanate	SM 4500 CNL	1304261-001	0.160	0.088 Q	mg/L	59 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13040521	MS 1	Fluoride	EPA 300.0	1304234-012	0.584	10.3	10.5	2.00	mg/L	98	99	2 %
QC13040523	MS 1	Chloride	EPA 300.0	1304234-012	33.2	60.4	60.6	5.00	mg/L	109	110	<1%
QC13040526	MS 1	Sulfate	EPA 300.0	1304234-012	65.6	120	120	10.0	mg/L	109	110	<1%
QC13040544	MS 1	Mercury	EPA 245.1	1304261-001	ND	0.004600	0.004800	0.005	mg/L	92	96	4 %
QC13040568	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1304237-001	ND	0.785	0.730	0.690	mg/L	102	94	7 %
QC13040568	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1304233-007	80.8	SC 79.4	91.8	0.690	mg/L	NC	NC	NC
QC13040568	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1304269-004	13.7	SC 13.1	13.7	0.690	mg/L	NC	NC	NC
QC13040576	MS 1	Nitrite Nitrogen	EPA 300.0	1304261-003	0.028	0.134	0.138	0.125	mg/L	85	89	3 %
QC13040577	MS 1	Nitrate Nitrogen	EPA 300.0	1304261-003	ND	0.492	0.492	0.500	mg/L	97	97	<1%
QC13040585	MS 1	Total Cyanide	SM 4500CNC	1304261-001	0.150	0.269	0.257	0.100	mg/L	119	106	5 %
QC13040586	MS 1	Thiocyanate	SM 4500 CN	1304261-001	0.338	0.772	0.789	0.500	mg/L	87	90	2 %
QC13040591	MS 1	Aluminum	EPA 200.7	1304261-001	2.02	M 3.39	3.31	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1304261-001	0.028	1.06	1.02	1.00	mg/L	103	99	4 %
		Bismuth	EPA 200.7	1304261-001	ND	1.03	1.07	1.00	mg/L	102	106	4 %
		Boron	EPA 200.7	1304261-001	0.034	1.07	1.12	1.00	mg/L	104	109	5 %
		Calcium	EPA 200.7	1304261-001	7.09	15.0	15.0	10.0	mg/L	79	79	<1%
		Cobalt	EPA 200.7	1304261-001	ND	0.968	0.988	1.00	mg/L	97	99	2 %
		Gallium	EPA 200.7	1304261-001	ND	1.00	0.998	1.00	mg/L	100	100	<1%
		Iron	EPA 200.7	1304261-001	1.07	1.88	1.85	1.00	mg/L	81	78	2 %
		Lithium	EPA 200.7	1304261-001	ND	0.875	0.880	1.00	mg/L	87	87	1 %
		Magnesium	EPA 200.7	1304261-001	0.530	9.35	9.26	10.0	mg/L	88	87	1 %
		Manganese	EPA 200.7	1304261-001	0.034	1.02	1.02	1.00	mg/L	99	99	<1%
		Molybdenum	EPA 200.7	1304261-001	ND	0.977	0.989	1.00	mg/L	97	98	1 %
		Phosphorus	EPA 200.7	1304261-001	0.703	5.84	6.08	5.00	mg/L	103	108	4 %
		Potassium	EPA 200.7	1304261-001	3.74	12.3	12.3	10.0	mg/L	86	86	<1%
		Scandium	EPA 200.7	1304261-001	ND	0.989	0.986	1.00	mg/L	99	99	<1%
		Silicon	EPA 200.7	1304261-001	21.2	28.9	28.4	10.0	mg/L	77	72	2 %
		Sodium	EPA 200.7	1304261-001	195	SC 177	176	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1304261-001	0.094	0.976	0.985	1.00	mg/L	88	89	1 %
		Tin	EPA 200.7	1304261-001	ND	0.990	1.01	1.00	mg/L	99	101	2 %
		Titanium	EPA 200.7	1304261-001	0.030	0.932	0.923	1.00	mg/L	90	89	1 %
		Vanadium	EPA 200.7	1304261-001	0.028	1.02	1.01	1.00	mg/L	99	98	1 %
		Zinc	EPA 200.7	1304261-001	0.025	1.07	1.09	1.00	mg/L	105	107	2 %
QC13040636	MS 1	WAD Cyanide	SM 4500CNI	1304242-001	ND	0.103	0.098	0.100	mg/L	103	98	5 %
QC13040636	MS 2	WAD Cyanide	SM 4500CNI	1304303-001	ND	0.097	0.100	0.100	mg/L	90	93	3 %
QC13040648	MS 1	Antimony	EPA 200.8	1304261-001	0.4297	SC 0.4504	0.4438	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1304261-001	2.3355	SC 2.4770	2.4773	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1304261-001	ND	0.0109	0.0108	0.010	mg/L	109	108	1 %

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Cadmium	EPA 200.8	1304261-001	ND	0.0095	0.0094	0.010	mg/L	95	94	1 %
		Chromium	EPA 200.8	1304261-001	0.0015	0.0120	0.0118	0.010	mg/L	105	103	2 %
		Copper	EPA 200.8	1304261-001	0.0075	0.0175	0.0176	0.010	mg/L	100	101	1 %
		Lead	EPA 200.8	1304261-001	0.1896	SC 0.2075	0.2035	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1304261-001	0.0025	0.0121	0.0122	0.010	mg/L	96	97	1 %
		Selenium	EPA 200.8	1304261-001	0.0096	0.0564	0.0547	0.050	mg/L	94	90	3 %
		Silver	EPA 200.8	1304261-001	ND	0.0096	0.0099	0.010	mg/L	91	94	3 %
		Thallium	EPA 200.8	1304261-001	ND	0.0094	0.0094	0.010	mg/L	94	94	<1%
		Uranium	EPA 200.8	1304261-001	0.0437	0.0528	0.0533	0.010	mg/L	91	96	1 %
QC13040684	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1304289-002	0.100	1.04	1.02	1.00	mg/L	94	92	2 %
QC13040684	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1304323-003	0.174	1.08	1.07	1.00	mg/L	90	89	1 %
QC13040684	MS 3	Ammonia, as Nitrogen	SM 4500 NH3	1304221-001	5.61	14.7	14.4	1.00	mg/L	90	88	2 %

4/29/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1304391

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 4/22/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1304391

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Total Cyanide on sample 1304391-003 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1304391-001 Mercury

1304391-002 Mercury

1304391-003 Mercury

The reporting limits have been adjusted accordingly.

Data Qualifier Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits.
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered.

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 4/29/2013

OrderID: 1304391

Customer Sample ID: 63301 22 Apr 13

Collect Date/Time: 4/22/2013 12:00

WETLAB Sample ID: 1304391-001

Receive Date: 4/22/2013 12:45

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	0.06 Q	mg/L	1	0.050	4/26/2013
Thiocyanate	SM 4500 CNM	0.31	mg/L	1	0.10	4/22/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	4/24/2013
pH	SM 4500-H+ B	8.63	pH Units	1		4/22/2013
Bicarbonate (HCO3)	SM 2320B	380	mg/L	1	1.0	4/22/2013
Carbonate (CO3)	SM 2320B	15	mg/L	1	1.0	4/22/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	4/22/2013
Total Alkalinity	SM 2320B	340	mg/L as CaCO3	1	1.0	4/22/2013
Redox Potential	SM 2580B	160	mV	1		4/23/2013
Total Nitrogen	Calc.	0.58	mg/L	1	0.10	4/24/2013
Total Cyanide	SM 4500CNC	0.15	mg/L	1	0.010	4/25/2013
Total Dissolved Solids (TDS)	SM 2540C	510	mg/L	1	10	4/23/2013
WAD Cyanide	SM 4500CNI	0.019	mg/L	1	0.010	4/23/2013
Electrical Conductivity	SM 2510B	770	µmhos/cm	1	1	4/24/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	4/22/2013
Fluoride	EPA 300.0	0.73	mg/L	1	0.10	4/22/2013
Sulfate	EPA 300.0	63	mg/L	1	1.0	4/22/2013
Nitrate Nitrogen	EPA 300.0	0.41	mg/L	1	0.010	4/23/2013
Nitrite Nitrogen	EPA 300.0	0.023	mg/L	1	0.010	4/23/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.58	mg/L	1	0.10	4/24/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	1.9	mg/L	1	0.045	4/24/2013
Barium	EPA 200.7	0.026	mg/L	1	0.010	4/24/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	4/24/2013
Boron	EPA 200.7	0.027	mg/L	1	0.020	4/24/2013
Calcium	EPA 200.7	6.2	mg/L	1	0.500	4/24/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	4/24/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	4/24/2013
Iron	EPA 200.7	0.91	mg/L	1	0.010	4/24/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	4/24/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63301 22 Apr 13

Collect Date/Time: 4/22/2013 12:00

WETLAB Sample ID: 1304391-001

Receive Date: 4/22/2013 12:45

Analyte	Method	Results	Units	DF	RL	Analyzed
Magnesium	EPA 200.7	0.46	mg/L	1	0.25	4/24/2013
Manganese	EPA 200.7	0.032	mg/L	1	0.0050	4/24/2013
Molybdenum	EPA 200.7	0.0053	mg/L	1	0.0050	4/24/2013
Phosphorus	EPA 200.7	0.63	mg/L	1	0.50	4/24/2013
Potassium	EPA 200.7	3.3	mg/L	1	0.50	4/24/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	4/24/2013
Silicon	EPA 200.7	19	mg/L	1	0.10	4/24/2013
Sodium	EPA 200.7	170	mg/L	1	0.50	4/24/2013
Strontium	EPA 200.7	0.082	mg/L	1	0.0020	4/24/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	4/24/2013
Titanium	EPA 200.7	0.026	mg/L	1	0.0050	4/24/2013
Vanadium	EPA 200.7	0.025	mg/L	1	0.010	4/24/2013
Zinc	EPA 200.7	0.022	mg/L	1	0.010	4/24/2013

Trace Metals by ICP-MS

Mercury	EPA 200.8	ND	mg/L	10	0.0010	4/29/2013
Antimony	EPA 200.8	0.41 SC	mg/L	10	0.025	4/29/2013
Arsenic	EPA 200.8	2.2 SC	mg/L	10	0.030	4/29/2013
Beryllium	EPA 200.8	0.00046	mg/L	1	0.00035	4/29/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	4/29/2013
Chromium	EPA 200.8	0.0018	mg/L	1	0.0010	4/29/2013
Copper	EPA 200.8	0.013	mg/L	1	0.0025	4/29/2013
Lead	EPA 200.8	0.18 SC	mg/L	10	0.020	4/29/2013
Nickel	EPA 200.8	0.0022	mg/L	1	0.0010	4/29/2013
Selenium	EPA 200.8	0.0082	mg/L	1	0.0020	4/29/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	4/29/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	4/29/2013
Uranium	EPA 200.8	0.041	mg/L	1	0.0050	4/29/2013

Ion Balance

Anions	Calculation	8.11	meq/L	1	0.10	
Cations	Calculation	8.05	meq/L	1	0.10	
Error	Calculation	ND	%	1	1.0	

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		4/23/2013

Customer Sample ID: 63316 22 Apr 13

Collect Date/Time: 4/22/2013 12:00

WETLAB Sample ID: 1304391-002

Receive Date: 4/22/2013 12:45

Analyte	Method	Results	Units	DF	RL	Analyzed
Thiocyanate	SM 4500 CNM	0.23	mg/L	1	0.10	4/22/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	4/26/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	4/24/2013
pH	SM 4500-H+ B	8.71	pH Units	1		4/22/2013
Bicarbonate (HCO3)	SM 2320B	410	mg/L	1	1.0	4/22/2013
Carbonate (CO3)	SM 2320B	20	mg/L	1	1.0	4/22/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	4/22/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 22 Apr 13

Collect Date/Time: 4/22/2013 12:00

WETLAB Sample ID: 1304391-002

Receive Date: 4/22/2013 12:45

Analyte	Method	Results	Units	DF	RL	Analyzed
Total Alkalinity	SM 2320B	370	mg/L as CaCO3	1	1.0	4/22/2013
Redox Potential	SM 2580B	-5	mV	1		4/23/2013
Total Nitrogen	Calc.	0.38	mg/L	1	0.10	4/24/2013
Total Cyanide	SM 4500CNC	0.038	mg/L	1	0.010	4/25/2013
Total Dissolved Solids (TDS)	SM 2540C	570	mg/L	1	10	4/23/2013
WAD Cyanide	SM 4500CNI	0.013	mg/L	1	0.010	4/23/2013
Electrical Conductivity	SM 2510B	830	µmhos/cm	1	1	4/24/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	ND	mg/L	1	0.10	4/22/2013
Fluoride	EPA 300.0	0.90	mg/L	1	0.10	4/22/2013
Sulfate	EPA 300.0	77	mg/L	1	1.0	4/22/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	4/23/2013
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.010	4/23/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.38	mg/L	1	0.10	4/24/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	1.6	mg/L	1	0.045	4/24/2013
Barium	EPA 200.7	0.021	mg/L	1	0.010	4/24/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	4/24/2013
Boron	EPA 200.7	0.027	mg/L	1	0.020	4/24/2013
Calcium	EPA 200.7	5.4	mg/L	1	0.500	4/24/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	4/24/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	4/24/2013
Iron	EPA 200.7	0.99	mg/L	1	0.010	4/24/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	4/24/2013
Magnesium	EPA 200.7	0.37	mg/L	1	0.25	4/24/2013
Manganese	EPA 200.7	0.023	mg/L	1	0.0050	4/24/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	4/24/2013
Phosphorus	EPA 200.7	0.45	mg/L	1	0.10	4/24/2013
Potassium	EPA 200.7	3.7	mg/L	1	0.50	4/24/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	4/24/2013
Silicon	EPA 200.7	17	mg/L	1	0.10	4/24/2013
Sodium	EPA 200.7	200	mg/L	1	0.50	4/24/2013
Strontium	EPA 200.7	0.065	mg/L	1	0.0020	4/24/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	4/24/2013
Titanium	EPA 200.7	0.026	mg/L	1	0.0050	4/24/2013
Vanadium	EPA 200.7	0.023	mg/L	1	0.010	4/24/2013
Zinc	EPA 200.7	0.028	mg/L	1	0.010	4/24/2013

Trace Metals by ICP-MS

Mercury	EPA 200.8	ND	mg/L	10	0.0010	4/29/2013
Antimony	EPA 200.8	0.38	mg/L	10	0.025	4/29/2013
Arsenic	EPA 200.8	2.1	mg/L	10	0.030	4/29/2013
Beryllium	EPA 200.8	0.0005	mg/L	1	0.00035	4/29/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	4/29/2013
Chromium	EPA 200.8	0.0023	mg/L	1	0.0010	4/29/2013
Copper	EPA 200.8	0.016	mg/L	1	0.0025	4/29/2013
Lead	EPA 200.8	0.16	mg/L	10	0.020	4/29/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 22 Apr 13

Collect Date/Time: 4/22/2013 12:00

WETLAB Sample ID: 1304391-002

Receive Date: 4/22/2013 12:45

Analyte	Method	Results	Units	DF	RL	Analyzed
Nickel	EPA 200.8	0.0024	mg/L	1	0.0010	4/29/2013
Selenium	EPA 200.8	0.0083	mg/L	1	0.0020	4/29/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	4/29/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	4/29/2013
Uranium	EPA 200.8	0.046	mg/L	1	0.0050	4/29/2013
<u>Ion Balance</u>						
Anions	Calculation	9.04	meq/L	1	0.10	
Cations	Calculation	9.30	meq/L	1	0.10	
Error	Calculation	1.4	%	1	1.0	
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		4/23/2013

Customer Sample ID: 63322 22 Apr 13

Collect Date/Time: 4/22/2013 12:00

WETLAB Sample ID: 1304391-003

Receive Date: 4/22/2013 12:45

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	0.09	mg/L	1	0.050	4/26/2013
Thiocyanate	SM 4500 CNM	0.22	mg/L	1	0.10	4/22/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.051	mg/L	1	0.050	4/24/2013
pH	SM 4500-H+ B	8.61	pH Units	1		4/22/2013
Bicarbonate (HCO3)	SM 2320B	450	mg/L	1	1.0	4/22/2013
Carbonate (CO3)	SM 2320B	15	mg/L	1	1.0	4/22/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	4/22/2013
Total Alkalinity	SM 2320B	390	mg/L as CaCO3	1	1.0	4/22/2013
Redox Potential	SM 2580B	-48	mV	1		4/23/2013
Total Nitrogen	Calc.	0.32	mg/L	1	0.10	4/24/2013
Total Cyanide	SM 4500CNC	0.067 M	mg/L	1	0.010	4/25/2013
Total Dissolved Solids (TDS)	SM 2540C	560	mg/L	1	10	4/23/2013
WAD Cyanide	SM 4500CNI	0.036	mg/L	1	0.010	4/23/2013
Electrical Conductivity	SM 2510B	930	µmhos/cm	1	1	4/24/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	ND	mg/L	1	0.10	4/22/2013
Fluoride	EPA 300.0	0.56	mg/L	1	0.10	4/22/2013
Sulfate	EPA 300.0	76	mg/L	1	1.0	4/22/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	4/23/2013
Nitrite Nitrogen	EPA 300.0	0.040	mg/L	1	0.010	4/23/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.32	mg/L	1	0.10	4/24/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	1.4	mg/L	1	0.045	4/24/2013
Barium	EPA 200.7	0.022	mg/L	1	0.010	4/24/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	4/24/2013
Boron	EPA 200.7	0.052	mg/L	1	0.020	4/24/2013
Calcium	EPA 200.7	4.2	mg/L	1	0.500	4/24/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 22 Apr 13

Collect Date/Time: 4/22/2013 12:00

WETLAB Sample ID: 1304391-003

Receive Date: 4/22/2013 12:45

Analyte	Method	Results	Units	DF	RL	Analyzed
Cobalt	EPA 200.7	0.0021	mg/L	1	0.0020	4/24/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	4/24/2013
Iron	EPA 200.7	0.94	mg/L	1	0.010	4/24/2013
Lithium	EPA 200.7	0.041	mg/L	1	0.020	4/24/2013
Magnesium	EPA 200.7	0.54	mg/L	1	0.50	4/24/2013
Manganese	EPA 200.7	0.023	mg/L	1	0.0050	4/24/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	4/24/2013
Phosphorus	EPA 200.7	0.39	mg/L	1	0.10	4/24/2013
Potassium	EPA 200.7	3.0	mg/L	1	0.50	4/24/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	4/24/2013
Silicon	EPA 200.7	16	mg/L	1	0.10	4/24/2013
Sodium	EPA 200.7	200	mg/L	1	0.50	4/24/2013
Strontium	EPA 200.7	0.059	mg/L	1	0.0020	4/24/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	4/24/2013
Titanium	EPA 200.7	0.046	mg/L	1	0.0050	4/24/2013
Vanadium	EPA 200.7	0.018	mg/L	1	0.010	4/24/2013
Zinc	EPA 200.7	0.025	mg/L	1	0.010	4/24/2013

Trace Metals by ICP-MS

Mercury	EPA 200.8	ND	mg/L	10	0.0010	4/29/2013
Antimony	EPA 200.8	0.21	mg/L	10	0.025	4/29/2013
Arsenic	EPA 200.8	1.5	mg/L	10	0.030	4/29/2013
Beryllium	EPA 200.8	0.0004	mg/L	1	0.00035	4/29/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	4/29/2013
Chromium	EPA 200.8	0.0030	mg/L	1	0.0010	4/29/2013
Copper	EPA 200.8	0.026	mg/L	1	0.0025	4/29/2013
Lead	EPA 200.8	0.17	mg/L	10	0.020	4/29/2013
Nickel	EPA 200.8	0.0021	mg/L	1	0.0010	4/29/2013
Selenium	EPA 200.8	0.0062	mg/L	1	0.0020	4/29/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	4/29/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	4/29/2013
Uranium	EPA 200.8	0.049	mg/L	1	0.0050	4/29/2013

Ion Balance

Anions	Calculation	9.49	meq/L	1	0.10	
Cations	Calculation	9.24	meq/L	1	0.10	
Error	Calculation	1.3	%	1	1.0	

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		4/23/2013

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13040753	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13040753	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13040757	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13040757	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13040757	Blank 3	Fluoride	EPA 300.0	ND	mg/L
QC13040758	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13040758	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13040758	Blank 3	Chloride	EPA 300.0	ND	mg/L
QC13040759	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13040759	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13040759	Blank 3	Sulfate	EPA 300.0	ND	mg/L
QC13040788	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040788	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13040811	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040811	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040811	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040811	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13040812	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13040812	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13040815	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13040815	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13040815	Blank 3	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13040823	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
QC13040830	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040830	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC13040830	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040830	Blank 4	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13040852	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13040852	Blank 2	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13040883	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040883	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13040886	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13040886	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13040935	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13040935	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L
QC13040941	Blank 1	Mercury	EPA 200.8	ND	mg/L
		Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13040757	LCS 1	Fluoride	EPA 300.0	2.14	2.00	107	mg/L
QC13040758	LCS 1	Chloride	EPA 300.0	10.2	10.0	102	mg/L
QC13040759	LCS 1	Sulfate	EPA 300.0	24.7	25.0	99	mg/L
QC13040773	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC13040777	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13040777	LCS 2	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC13040777	LCS 3	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13040779	LCS 1	Total Alkalinity	SM 2320B	110	100	110	mg/L
QC13040779	LCS 2	Total Alkalinity	SM 2320B	98.8	100	99	mg/L
QC13040779	LCS 3	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13040779	LCS 4	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13040788	LCS 1	WAD Cyanide	SM 4500CNI	0.101	0.100	101	mg/L
QC13040811	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.640	0.690	93	mg/L
QC13040811	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.667	0.690	97	mg/L
QC13040812	LCS 1	Nitrite Nitrogen	EPA 300.0	0.470	0.500	94	mg/L
QC13040815	LCS 1	Nitrate Nitrogen	EPA 300.0	0.5428	0.500	109	mg/L
QC13040823	LCS 1	Aluminum	EPA 200.7	0.969	1.00	97	mg/L
		Barium	EPA 200.7	0.972	1.00	97	mg/L
		Bismuth	EPA 200.7	0.990	1.00	99	mg/L
		Boron	EPA 200.7	0.967	1.00	97	mg/L
		Calcium	EPA 200.7	9.80	10.0	98	mg/L
		Cobalt	EPA 200.7	0.972	1.00	97	mg/L
		Gallium	EPA 200.7	0.978	1.00	98	mg/L
		Iron	EPA 200.7	0.939	1.00	94	mg/L
		Lithium	EPA 200.7	0.918	1.00	92	mg/L
		Magnesium	EPA 200.7	9.26	10.0	93	mg/L
		Manganese	EPA 200.7	0.965	1.00	96	mg/L
		Molybdenum	EPA 200.7	0.956	1.00	96	mg/L

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QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
		Phosphorus	EPA 200.7	4.98	5.00	100	mg/L
		Potassium	EPA 200.7	9.76	10.0	98	mg/L
		Scandium	EPA 200.7	0.959	1.00	96	mg/L
		Silicon	EPA 200.7	9.17	10.0	92	mg/L
		Sodium	EPA 200.7	9.05	10.0	90	mg/L
		Strontium	EPA 200.7	0.936	1.00	94	mg/L
		Tin	EPA 200.7	0.957	1.00	96	mg/L
		Titanium	EPA 200.7	0.947	1.00	95	mg/L
		Vanadium	EPA 200.7	0.960	1.00	96	mg/L
		Zinc	EPA 200.7	1.04	1.00	104	mg/L
QC13040830	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.972	1.00	97	mg/L
QC13040830	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.843	1.00	84	mg/L
QC13040852	LCS 1	Electrical Conductivity	SM 2510B	1411	1412	100	µmhos/cm
QC13040883	LCS 1	Total Cyanide	SM 4500CNC	0.102	0.100	102	mg/L
QC13040886	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L
QC13040886	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	148	150	99	mg/L
QC13040935	LCS 1	Cyanate	SM 4500 CNL	1.05	1.00	105	mg/L
QC13040941	LCS 1	Mercury	EPA 200.8	0.000978	0.001	98	mg/L
		Antimony	EPA 200.8	0.0098	0.010	98	mg/L
		Arsenic	EPA 200.8	0.0505	0.050	101	mg/L
		Beryllium	EPA 200.8	0.0101	0.010	101	mg/L
		Cadmium	EPA 200.8	0.0092	0.010	92	mg/L
		Chromium	EPA 200.8	0.0098	0.010	98	mg/L
		Copper	EPA 200.8	0.0088	0.010	88	mg/L
		Lead	EPA 200.8	0.0098	0.010	98	mg/L
		Nickel	EPA 200.8	0.0099	0.010	99	mg/L
		Selenium	EPA 200.8	0.0480	0.050	96	mg/L
		Silver	EPA 200.8	0.0092	0.010	92	mg/L
		Thallium	EPA 200.8	0.0098	0.010	98	mg/L
		Uranium	EPA 200.8	0.0098	0.010	98	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13040773	Duplicate	Redox Potential	SM 2580B	1304392-002	278	274	mV	1 %
QC13040773	Duplicate	Redox Potential	SM 2580B	1304392-011	416	416	mV	<1%
QC13040777	Duplicate	pH	SM 4500-H+ B	1304387-001	7.53	7.53	pH Units	<1%
QC13040777	Duplicate	pH	SM 4500-H+ B	1304391-001	8.63	8.63	pH Units	<1%
QC13040777	Duplicate	pH	SM 4500-H+ B	1304391-002	8.71	8.71	pH Units	<1%
QC13040777	Duplicate	pH	SM 4500-H+ B	1304391-003	8.61	8.64	pH Units	<1%
QC13040777	Duplicate	pH	SM 4500-H+ B	1304396-001	7.58	7.63	pH Units	1 %
QC13040777	Duplicate	pH	SM 4500-H+ B	1304392-012	3.91	3.87	pH Units	1 %
QC13040779	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304387-001	188	188	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1304387-001	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304387-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304387-001	154	154	mg/L as CaCO3	<1%
QC13040779	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304391-001	381	383	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1304391-001	14.8	14.3	mg/L	4 %
		Hydroxide (OH)	SM 2320B	1304391-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304391-001	337	338	mg/L as CaCO3	<1%

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QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13040779	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304391-002	414	413	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1304391-002	19.9	19.9	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304391-002	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304391-002	372	372	mg/L as CaCO3	<1%
QC13040779	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304391-003	450	444	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1304391-003	14.8	16.4	mg/L	10 %
		Hydroxide (OH)	SM 2320B	1304391-003	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304391-003	394	392	mg/L as CaCO3	1 %
QC13040779	Duplicate	Bicarbonate (HCO3)	SM 2320B	1304396-001	45.4	45.6	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1304396-001	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1304396-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1304396-001	37.2	37.4	mg/L as CaCO3	<1%
QC13040852	Duplicate	Electrical Conductivity	SM 2510B	1304392-001	26.2	26.1	µmhos/cm	<1%
QC13040852	Duplicate	Electrical Conductivity	SM 2510B	1304392-011	174	174	µmhos/cm	<1%
QC13040886	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304347-001	59.0	55.0	mg/L	7 %
QC13040886	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304353-009	223	224	mg/L	<1%
QC13040886	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304374-006	180	181	mg/L	1 %
QC13040886	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1304375-006	237	243	mg/L	2 %
QC13040935	Duplicate	Cyanate	SM 4500 CNL	1304391-001	0.055	0.069	Q mg/L	22 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13040753	MS 1	Thiocyanate	SM 4500 CN	1304391-001	0.314	0.761	0.762	0.500	mg/L	89	89	<1%
QC13040757	MS 1	Fluoride	EPA 300.0	1304376-003	ND	2.09	2.17	2.00	mg/L	103	107	4 %
QC13040757	MS 2	Fluoride	EPA 300.0	1304376-010	ND	1.98	2.03	2.00	mg/L	98	100	2 %
QC13040758	MS 1	Chloride	EPA 300.0	1304376-003	15.9	21.2	21.4	5.00	mg/L	105	109	1 %
QC13040758	MS 2	Chloride	EPA 300.0	1304376-010	14.0	19.1	19.2	5.00	mg/L	102	103	1 %
QC13040759	MS 1	Sulfate	EPA 300.0	1304376-003	57.0	68.0	68.5	10.0	mg/L	111	115	1 %
QC13040759	MS 2	Sulfate	EPA 300.0	1304376-010	35.4	45.9	46.0	10.0	mg/L	105	106	<1%
QC13040788	MS 1	WAD Cyanide	SM 4500CNI	1304391-001	0.019	0.115	0.117	0.100	mg/L	96	98	2 %
QC13040811	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1304387-001	0.727	M 0.996	1.06	0.690	mg/L	NC	NC	NC
QC13040811	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1304376-001	0.530	1.17	1.15	0.690	mg/L	92	89	2 %
QC13040811	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1304375-008	0.264	0.885	0.896	0.690	mg/L	90	92	1 %
QC13040812	MS 1	Nitrite Nitrogen	EPA 300.0	1304391-001	0.023	0.127	0.130	0.250	mg/L	84	86	2 %
QC13040815	MS 1	Nitrate Nitrogen	EPA 300.0	1304391-001		0.912	0.919	0.500	mg/L	100	101	1 %
QC13040815	MS 2	Nitrate Nitrogen	EPA 300.0	1304417-010	ND	43.3	45.1	0.500	mg/L	86	89	4 %
QC13040823	MS 1	Aluminum	EPA 200.7	1304391-001	1.87	3.14	3.09	1.00	mg/L	127	122	2 %
		Barium	EPA 200.7	1304391-001	0.026	1.03	1.05	1.00	mg/L	100	102	2 %
		Bismuth	EPA 200.7	1304391-001	ND	0.999	1.02	1.00	mg/L	98	101	2 %
		Boron	EPA 200.7	1304391-001	0.027	0.994	1.02	1.00	mg/L	97	99	3 %
		Calcium	EPA 200.7	1304391-001	6.16	15.9	15.1	10.0	mg/L	97	89	5 %
		Cobalt	EPA 200.7	1304391-001	ND	0.943	0.959	1.00	mg/L	94	96	2 %
		Gallium	EPA 200.7	1304391-001	ND	0.965	0.971	1.00	mg/L	96	97	1 %
		Iron	EPA 200.7	1304391-001	0.908	1.91	1.85	1.00	mg/L	100	94	3 %
		Lithium	EPA 200.7	1304391-001	ND	0.926	0.905	1.00	mg/L	92	90	2 %
		Magnesium	EPA 200.7	1304391-001	0.456	9.93	9.74	10.0	mg/L	95	93	2 %
		Manganese	EPA 200.7	1304391-001	0.032	0.985	0.984	1.00	mg/L	95	95	<1%

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QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Molybdenum	EPA 200.7	1304391-001	0.005	0.946	0.958	1.00	mg/L	94	95	1 %
		Phosphorus	EPA 200.7	1304391-001	0.633	5.53	5.64	5.00	mg/L	98	100	2 %
		Potassium	EPA 200.7	1304391-001	3.34	12.8	12.9	10.0	mg/L	95	96	1 %
		Scandium	EPA 200.7	1304391-001	ND	0.954	0.960	1.00	mg/L	95	96	1 %
		Silicon	EPA 200.7	1304391-001	18.9	29.5	29.1	10.0	mg/L	106	102	1 %
		Sodium	EPA 200.7	1304391-001	172	177	174	10.0	mg/L	50	20	2 %
		Strontium	EPA 200.7	1304391-001	0.082	1.01	1.01	1.00	mg/L	93	93	<1%
		Tin	EPA 200.7	1304391-001	ND	0.951	0.969	1.00	mg/L	95	97	2 %
		Titanium	EPA 200.7	1304391-001	0.026	0.985	0.977	1.00	mg/L	96	95	1 %
		Vanadium	EPA 200.7	1304391-001	0.025	1.04	1.06	1.00	mg/L	101	103	2 %
		Zinc	EPA 200.7	1304391-001	0.022	1.07	1.09	1.00	mg/L	105	107	2 %
QC13040830	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1304368-002	0.132	1.07	1.06	1.00	mg/L	93	93	1 %
QC13040830	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1304304-001	0.285	1.20	1.14	1.00	mg/L	91	85	5 %
QC13040830	MS 3	Ammonia, as Nitrogen	SM 4500 NH3	1304328-003	ND	0.946	0.957	1.00	mg/L	95	96	1 %
QC13040883	MS 1	Total Cyanide	SM 4500CNC	1304391-003	0.067	M 0.142	0.149	0.100	mg/L	NC	NC	NC
QC13040941	MS 1	Mercury	EPA 200.8	1304391-001	ND	0.001100	0.001100	0.001	mg/L	110	110	<1%
		Antimony	EPA 200.8	1304391-001	0.4143	SC 0.4131	0.4005	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1304391-001	2.1786	SC 2.1943	2.1579	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1304391-001	0.0005	0.0103	0.0109	0.010	mg/L	98	105	6 %
		Cadmium	EPA 200.8	1304391-001	ND	0.0090	0.0091	0.010	mg/L	90	91	1 %
		Chromium	EPA 200.8	1304391-001	0.0018	0.0122	0.0129	0.010	mg/L	104	111	6 %
		Copper	EPA 200.8	1304391-001	0.0134	0.0235	0.0240	0.010	mg/L	101	106	2 %
		Lead	EPA 200.8	1304391-001	0.1778	SC 0.1828	0.1813	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1304391-001	0.0022	0.0119	0.0120	0.010	mg/L	98	98	1 %
		Selenium	EPA 200.8	1304391-001	0.0082	0.0536	0.0538	0.050	mg/L	91	91	<1%
		Silver	EPA 200.8	1304391-001	ND	0.0086	0.0090	0.010	mg/L	80	85	5 %
		Thallium	EPA 200.8	1304391-001	ND	0.0091	0.0093	0.010	mg/L	91	93	2 %
		Uranium	EPA 200.8	1304391-001	0.0406	0.0510	0.0495	0.010	mg/L	104	88	3 %

5/14/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1305109

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 5/6/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1305109

General Comments

None

Specific Comments

None

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 5/14/2013

OrderID: 1305109

Customer Sample ID: 63301 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-001

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	5/10/2013
Thiocyanate	SM 4500 CNM	0.22	mg/L	1	0.10	5/9/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	5/10/2013
pH	SM 4500-H+ B	8.65	pH Units	1		5/6/2013
Bicarbonate (HCO3)	SM 2320B	360	mg/L	1	1.0	5/6/2013
Carbonate (CO3)	SM 2320B	16	mg/L	1	1.0	5/6/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	5/6/2013
Total Alkalinity	SM 2320B	330	mg/L as CaCO3	1	1.0	5/6/2013
Redox Potential	SM 2580B	35	mV	1		5/7/2013
Total Nitrogen	Calc.	1.2	mg/L	1	0.10	5/9/2013
Total Cyanide	SM 4500CNC	0.16	mg/L	1	0.010	5/8/2013
Total Dissolved Solids (TDS)	SM 2540C	520	mg/L	1	10	5/8/2013
WAD Cyanide	SM 4500CNI	0.011	mg/L	1	0.010	5/7/2013
Electrical Conductivity	SM 2510B	740	µmhos/cm	1	1	5/10/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	5/7/2013
Fluoride	EPA 300.0	0.79	mg/L	1	0.10	5/8/2013
Sulfate	EPA 300.0	84	mg/L	1	1.0	5/8/2013
Nitrate Nitrogen	EPA 300.0	0.51	mg/L	1	0.010	5/7/2013
Nitrite Nitrogen	EPA 300.0	0.015	mg/L	1	0.010	5/7/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.65	mg/L	1	0.20	5/9/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.6	mg/L	1	0.045	5/13/2013
Barium	EPA 200.7	0.033	mg/L	1	0.010	5/13/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	5/13/2013
Boron	EPA 200.7	0.026	mg/L	1	0.020	5/13/2013
Calcium	EPA 200.7	6.6	mg/L	1	0.500	5/13/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	5/13/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	5/13/2013
Iron	EPA 200.7	1.1	mg/L	1	0.010	5/13/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	5/13/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63301 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-001

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Magnesium	EPA 200.7	0.44	mg/L	1	0.25	5/13/2013
Manganese	EPA 200.7	0.040	mg/L	1	0.0050	5/13/2013
Molybdenum	EPA 200.7	0.0080	mg/L	1	0.0050	5/13/2013
Phosphorus	EPA 200.7	0.60	mg/L	1	0.50	5/13/2013
Potassium	EPA 200.7	3.4	mg/L	1	0.50	5/13/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	5/13/2013
Silicon	EPA 200.7	23	mg/L	1	0.10	5/13/2013
Sodium	EPA 200.7	190	mg/L	1	0.50	5/13/2013
Strontium	EPA 200.7	0.094	mg/L	1	0.0020	5/13/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	5/13/2013
Titanium	EPA 200.7	0.031	mg/L	1	0.0050	5/13/2013
Vanadium	EPA 200.7	0.024	mg/L	1	0.010	5/13/2013
Zinc	EPA 200.7	0.026	mg/L	1	0.010	5/13/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.45	mg/L	10	0.0050	5/13/2013
Arsenic	EPA 200.8	2.2 SC	mg/L	10	0.030	5/13/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	5/14/2013
Cadmium	EPA 200.8	0.0013	mg/L	1	0.00090	5/13/2013
Chromium	EPA 200.8	0.0020	mg/L	1	0.0010	5/13/2013
Copper	EPA 200.8	0.011	mg/L	1	0.0025	5/13/2013
Lead	EPA 200.8	0.26	mg/L	10	0.020	5/13/2013
Nickel	EPA 200.8	0.0025	mg/L	1	0.0010	5/13/2013
Selenium	EPA 200.8	0.0081	mg/L	1	0.0020	5/13/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	5/13/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	5/13/2013
Uranium	EPA 200.8	0.040	mg/L	1	0.00040	5/13/2013

Mercury by CVA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	5/8/2013

Ion Balance

Anions	Calculation	8.26	meq/L	1	0.10	
Cations	Calculation	9.03	meq/L	1	0.10	
Error	Calculation	4.5	%	1	1.0	

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		5/9/2013

Customer Sample ID: 63316 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-002

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	5/9/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	5/10/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	5/10/2013
pH	SM 4500-H+ B	8.75	pH Units	1		5/6/2013
Bicarbonate (HCO3)	SM 2320B	330	mg/L	1	1.0	5/6/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-002

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Carbonate (CO3)	SM 2320B	20	mg/L	1	1.0	5/6/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	5/6/2013
Total Alkalinity	SM 2320B	300	mg/L as CaCO3	1	1.0	5/6/2013
Redox Potential	SM 2580B	-75	mV	1		5/7/2013
Total Nitrogen	Calc.	0.43	mg/L	1	0.10	5/9/2013
Total Cyanide	SM 4500CNC	0.049	mg/L	1	0.010	5/8/2013
Total Dissolved Solids (TDS)	SM 2540C	510	mg/L	1	10	5/8/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	5/7/2013
Electrical Conductivity	SM 2510B	780	µmhos/cm	1	1	5/10/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	5/7/2013
Fluoride	EPA 300.0	1.0	mg/L	1	0.10	5/8/2013
Sulfate	EPA 300.0	120	mg/L	1	1.0	5/8/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	5/7/2013
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.010	5/7/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.43	mg/L	1	0.20	5/9/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.6	mg/L	1	0.045	5/13/2013
Barium	EPA 200.7	0.029	mg/L	1	0.010	5/13/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	5/13/2013
Boron	EPA 200.7	0.027	mg/L	1	0.020	5/13/2013
Calcium	EPA 200.7	6.0	mg/L	1	0.500	5/13/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	5/13/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	5/13/2013
Iron	EPA 200.7	1.4	mg/L	1	0.010	5/13/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	5/13/2013
Magnesium	EPA 200.7	0.40	mg/L	1	0.25	5/13/2013
Manganese	EPA 200.7	0.036	mg/L	1	0.0050	5/13/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	5/13/2013
Phosphorus	EPA 200.7	0.54	mg/L	1	0.50	5/13/2013
Potassium	EPA 200.7	3.2	mg/L	1	0.50	5/13/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	5/13/2013
Silicon	EPA 200.7	24	mg/L	1	0.10	5/13/2013
Sodium	EPA 200.7	180	mg/L	1	0.50	5/13/2013
Strontium	EPA 200.7	0.070	mg/L	1	0.0020	5/13/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	5/13/2013
Titanium	EPA 200.7	0.037	mg/L	1	0.0050	5/13/2013
Vanadium	EPA 200.7	0.031	mg/L	1	0.010	5/13/2013
Zinc	EPA 200.7	0.040	mg/L	1	0.010	5/13/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.47	mg/L	10	0.0050	5/13/2013
Arsenic	EPA 200.8	2.6	mg/L	10	0.030	5/13/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	5/14/2013
Cadmium	EPA 200.8	0.0012	mg/L	1	0.00090	5/13/2013
Chromium	EPA 200.8	0.0021	mg/L	1	0.0010	5/13/2013
Copper	EPA 200.8	0.025	mg/L	1	0.0025	5/13/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

Page 5 of 12

Customer Sample ID: 63316 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-002

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Lead	EPA 200.8	0.28	mg/L	10	0.020	5/13/2013
Nickel	EPA 200.8	0.0034	mg/L	1	0.0010	5/13/2013
Selenium	EPA 200.8	0.011	mg/L	1	0.0020	5/13/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	5/13/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	5/13/2013
Uranium	EPA 200.8	0.043	mg/L	1	0.00040	5/13/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	5/8/2013
<u>Ion Balance</u>						
Anions	Calculation	8.63	meq/L	1	0.10	
Cations	Calculation	8.58	meq/L	1	0.10	
Error	Calculation	ND	%	1	1.0	
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		5/9/2013

Customer Sample ID: 63322 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-003

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	0.09	mg/L	1	0.050	5/10/2013
Thiocyanate	SM 4500 CNM	0.36	mg/L	1	0.10	5/9/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.13	mg/L	1	0.050	5/10/2013
pH	SM 4500-H+ B	8.68	pH Units	1		5/7/2013
Bicarbonate (HCO3)	SM 2320B	420	mg/L	1	1.0	5/7/2013
Carbonate (CO3)	SM 2320B	19	mg/L	1	1.0	5/7/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	5/7/2013
Total Alkalinity	SM 2320B	380	mg/L as CaCO3	1	1.0	5/7/2013
Redox Potential	SM 2580B	-128	mV	1		5/7/2013
Total Nitrogen	Calc.	1.6	mg/L	1	0.10	5/9/2013
Total Cyanide	SM 4500CNC	2.3	mg/L	25	0.25	5/8/2013
Total Dissolved Solids (TDS)	SM 2540C	520	mg/L	1	10	5/8/2013
WAD Cyanide	SM 4500CNI	1.9	mg/L	10	0.10	5/7/2013
Electrical Conductivity	SM 2510B	840	µmhos/cm	1	1	5/10/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	0.11	mg/L	1	0.10	5/7/2013
Fluoride	EPA 300.0	0.57	mg/L	1	0.10	5/8/2013
Sulfate	EPA 300.0	80	mg/L	1	1.0	5/8/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	5/7/2013
Nitrite Nitrogen	EPA 300.0	0.062	mg/L	1	0.010	5/7/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	1.5	mg/L	1	0.20	5/9/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	1.4	mg/L	1	0.045	5/13/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

Page 6 of 12

Customer Sample ID: 63322 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-003

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Barium	EPA 200.7	0.021	mg/L	1	0.010	5/13/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	5/13/2013
Boron	EPA 200.7	0.048	mg/L	1	0.020	5/13/2013
Calcium	EPA 200.7	4.7	mg/L	1	0.500	5/13/2013
Cobalt	EPA 200.7	0.0050	mg/L	1	0.0020	5/13/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	5/13/2013
Iron	EPA 200.7	0.86	mg/L	1	0.010	5/13/2013
Lithium	EPA 200.7	0.044	mg/L	1	0.020	5/13/2013
Magnesium	EPA 200.7	0.56	mg/L	1	0.50	5/13/2013
Manganese	EPA 200.7	0.024	mg/L	1	0.0050	5/13/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	5/13/2013
Phosphorus	EPA 200.7	0.36	mg/L	1	0.10	5/13/2013
Potassium	EPA 200.7	3.0	mg/L	1	0.50	5/13/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	5/13/2013
Silicon	EPA 200.7	16	mg/L	1	0.10	5/13/2013
Sodium	EPA 200.7	210	mg/L	1	0.50	5/13/2013
Strontium	EPA 200.7	0.070	mg/L	1	0.0020	5/13/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	5/13/2013
Titanium	EPA 200.7	0.042	mg/L	1	0.0050	5/13/2013
Vanadium	EPA 200.7	0.016	mg/L	1	0.010	5/13/2013
Zinc	EPA 200.7	0.028	mg/L	1	0.010	5/13/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.20	mg/L	10	0.0050	5/13/2013
Arsenic	EPA 200.8	1.4	mg/L	10	0.030	5/13/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	5/14/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	5/13/2013
Chromium	EPA 200.8	0.0021	mg/L	1	0.0010	5/13/2013
Copper	EPA 200.8	1.1	mg/L	10	0.025	5/14/2013
Lead	EPA 200.8	0.18	mg/L	10	0.020	5/13/2013
Nickel	EPA 200.8	1.3	mg/L	10	0.010	5/13/2013
Selenium	EPA 200.8	0.010	mg/L	1	0.0020	5/13/2013
Silver	EPA 200.8	0.032	mg/L	1	0.0015	5/13/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	5/13/2013
Uranium	EPA 200.8	0.050	mg/L	1	0.00040	5/13/2013

Mercury by CVAA

Mercury	EPA 245.1	0.00037	mg/L	1	0.00010	5/8/2013

Ion Balance

Anions	Calculation	9.29	meq/L	1	0.10	
Cations	Calculation	9.74	meq/L	1	0.10	
Error	Calculation	2.4	%	1	1.0	

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		5/9/2013

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13050264	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13050264	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13050264	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13050297	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13050297	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13050323	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13050323	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13050323	Blank 3	Chloride	EPA 300.0	ND	mg/L
QC13050325	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13050325	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13050325	Blank 3	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13050328	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13050328	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13050328	Blank 3	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13050340	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13050340	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13050345	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13050345	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13050345	Blank 3	Fluoride	EPA 300.0	ND	mg/L
QC13050350	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13050350	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13050350	Blank 3	Sulfate	EPA 300.0	ND	mg/L
QC13050396	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13050396	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13050396	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13050403	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13050403	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13050408	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13050408	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L
QC13050442	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13050442	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13050442	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13050448	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13050456	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13050456	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13050456	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13050489	Blank 1	Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC13050525	Blank 1	Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L
		Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13050260	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13050260	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13050260	LCS 3	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13050262	LCS 1	Total Alkalinity	SM 2320B	100	100	100	mg/L
QC13050262	LCS 2	Total Alkalinity	SM 2320B	99.7	100	100	mg/L
QC13050262	LCS 3	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13050262	LCS 4	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13050264	LCS 1	WAD Cyanide	SM 4500CNI	0.087	0.100	87	mg/L
QC13050297	LCS 1	Total Cyanide	SM 4500CNC	0.096	0.100	96	mg/L
QC13050309	LCS 1	Redox Potential	SM 2580B	221	221	100	mV
QC13050323	LCS 1	Chloride	EPA 300.0	10.1	10.0	101	mg/L
QC13050325	LCS 1	Nitrite Nitrogen	EPA 300.0	0.497	0.500	99	mg/L
QC13050328	LCS 1	Nitrate Nitrogen	EPA 300.0	0.533	0.500	107	mg/L
QC13050340	LCS 1	Mercury	EPA 245.1	0.004990	0.005	100	mg/L
QC13050345	LCS 1	Fluoride	EPA 300.0	1.93	2.00	97	mg/L
QC13050350	LCS 1	Sulfate	EPA 300.0	24.4	25.0	98	mg/L
QC13050396	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.740	0.690	107	mg/L
QC13050408	LCS 1	Cyanate	SM 4500 CNL	1.03	1.00	103	mg/L
QC13050442	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.980	1.00	98	mg/L
QC13050448	LCS 1	Electrical Conductivity	SM 2510B	1420	1412	101	µmhos/cm
QC13050456	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	149	150	100	mg/L
QC13050456	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L
QC13050456	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	152	150	101	mg/L
QC13050489	LCS 1	Antimony	EPA 200.8	0.0099	0.010	99	mg/L
		Arsenic	EPA 200.8	0.0508	0.050	102	mg/L
		Beryllium	EPA 200.8	0.0105	0.010	104	mg/L
		Cadmium	EPA 200.8	0.0106	0.010	106	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13050525	LCS 1	Chromium	EPA 200.8	0.0092	0.010	92	mg/L
		Copper	EPA 200.8	0.0092	0.010	92	mg/L
		Lead	EPA 200.8	0.0100	0.010	100	mg/L
		Nickel	EPA 200.8	0.0102	0.010	102	mg/L
		Selenium	EPA 200.8	0.0475	0.050	95	mg/L
		Silver	EPA 200.8	0.0087	0.010	87	mg/L
		Thallium	EPA 200.8	0.0101	0.010	101	mg/L
		Uranium	EPA 200.8	0.0100	0.010	100	mg/L
		Aluminum	EPA 200.7	1.03	1.00	103	mg/L
		Barium	EPA 200.7	1.00	1.00	100	mg/L
		Bismuth	EPA 200.7	0.977	1.00	98	mg/L
		Boron	EPA 200.7	1.02	1.00	102	mg/L
		Calcium	EPA 200.7	9.77	10.0	98	mg/L
		Cobalt	EPA 200.7	0.983	1.00	98	mg/L
		Gallium	EPA 200.7	1.05	1.00	105	mg/L
		Iron	EPA 200.7	1.00	1.00	100	mg/L
		Lithium	EPA 200.7	1.02	1.00	102	mg/L
		Magnesium	EPA 200.7	9.66	10.0	97	mg/L
		Manganese	EPA 200.7	0.985	1.00	98	mg/L
		Molybdenum	EPA 200.7	0.982	1.00	98	mg/L
		Phosphorus	EPA 200.7	5.07	5.00	101	mg/L
		Potassium	EPA 200.7	10.2	10.0	102	mg/L
		Scandium	EPA 200.7	1.00	1.00	100	mg/L
		Silicon	EPA 200.7	9.23	10.0	92	mg/L
		Sodium	EPA 200.7	10.4	10.0	104	mg/L
		Strontium	EPA 200.7	1.01	1.00	101	mg/L
		Tin	EPA 200.7	0.973	1.00	97	mg/L
		Titanium	EPA 200.7	0.984	1.00	98	mg/L
		Vanadium	EPA 200.7	1.01	1.00	101	mg/L
		Zinc	EPA 200.7	1.05	1.00	105	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13050260	Duplicate	pH	SM 4500-H+ B	1305075-001	7.09	7.11	pH Units	<1%
QC13050260	Duplicate	pH	SM 4500-H+ B	1305075-011	9.02	9.13	Q pH Units	1 %
QC13050260	Duplicate	pH	SM 4500-H+ B	1305109-001	8.65	8.66	pH Units	<1%
QC13050260	Duplicate	pH	SM 4500-H+ B	1305109-002	8.75	8.75	pH Units	<1%
QC13050260	Duplicate	pH	SM 4500-H+ B	1305109-003	8.68	8.69	pH Units	<1%
QC13050260	Duplicate	pH	SM 4500-H+ B	1305105-008	6.96	7.06	pH Units	1 %
QC13050262	Duplicate	Bicarbonate (HCO3)	SM 2320B	1305075-001	294	294	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1305075-001	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1305075-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1305075-001	241	241	mg/L as CaCO3	<1%
QC13050262	Duplicate	Bicarbonate (HCO3)	SM 2320B	1305075-011	222	235	mg/L	6 %
		Carbonate (CO3)	SM 2320B	1305075-011	21.9	27.8	Q mg/L	24 %
		Hydroxide (OH)	SM 2320B	1305075-011	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1305075-011	218	239	mg/L as CaCO3	9 %
QC13050262	Duplicate	Bicarbonate (HCO3)	SM 2320B	1305109-001	365	365	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1305109-001	16.1	16.3	mg/L	1 %

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 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13050262	Duplicate	Hydroxide (OH)	SM 2320B	1305109-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1305109-001	326	327	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1305109-002	327	324	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1305109-002	19.6	20.6	mg/L	5 %
QC13050262	Duplicate	Hydroxide (OH)	SM 2320B	1305109-002	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1305109-002	301	300	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1305109-003	421	421	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1305109-003	19.1	19.2	mg/L	<1%
QC13050262	Duplicate	Hydroxide (OH)	SM 2320B	1305109-003	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1305109-003	377	377	mg/L as CaCO3	<1%
QC13050309	Duplicate	Redox Potential	SM 2580B	1305105-002	111	116	mV	5 %
QC13050309	Duplicate	Redox Potential	SM 2580B	1305105-011	396	395	mV	<1%
QC13050408	Duplicate	Cyanate	SM 4500 CNL	1305109-001	ND	ND	mg/L	<1%
QC13050448	Duplicate	Electrical Conductivity	SM 2510B	1305109-001	741	742	µmhos/cm	<1%
QC13050456	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305061-001	195	194	mg/L	1 %
QC13050456	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305073-010	273	280	mg/L	3 %
QC13050456	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305074-009	208	209	mg/L	<1%
QC13050456	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305075-008	197	199	mg/L	1 %
QC13050456	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305075-011	167	164	mg/L	2 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13050264	MS 1	WAD Cyanide	SM 4500CNI	1305007-001	ND	0.080	0.082	0.100	mg/L	80	82	2 %
QC13050264	MS 2	WAD Cyanide	SM 4500CNI	1305025-008	ND	0.093	0.084	0.100	mg/L	93	84	10 %
QC13050297	MS 1	Total Cyanide	SM 4500CNC	1305109-001	0.156	0.262	0.247	0.100	mg/L	106	92	6 %
QC13050323	MS 1	Chloride	EPA 300.0	1305109-003	0.113	1.29	1.31	1.25	mg/L	94	96	2 %
QC13050323	MS 2	Chloride	EPA 300.0	1305145-004	34.0	22.8	22.9	1.25	mg/L	115	119	<1%
QC13050325	MS 1	Nitrite Nitrogen	EPA 300.0	1305109-003	0.062	0.169	0.163	0.125	mg/L	86	81	4 %
QC13050325	MS 2	Nitrite Nitrogen	EPA 300.0	1305140-004	ND	M 0.075	0.079	0.125	mg/L	NC	NC	NC
QC13050328	MS 1	Nitrate Nitrogen	EPA 300.0	1305109-003	ND	0.504	0.514	0.500	mg/L	99	101	2 %
QC13050328	MS 2	Nitrate Nitrogen	EPA 300.0	1305122-007	0.022	M 0.415	0.439	0.500	mg/L	NC	NC	NC
QC13050340	MS 1	Mercury	EPA 245.1	1305109-001	ND	0.005030	0.005290	0.005	mg/L	101	106	5 %
QC13050345	MS 1	Fluoride	EPA 300.0	1305137-001	ND	1.86	1.97	2.00	mg/L	92	97	6 %
QC13050345	MS 2	Fluoride	EPA 300.0	1305092-007	0.832	10.5	10.1	2.00	mg/L	96	92	4 %
QC13050350	MS 1	Sulfate	EPA 300.0	1305137-001	ND	10.6	10.9	10.0	mg/L	97	101	3 %
QC13050350	MS 2	Sulfate	EPA 300.0	1305092-007	369	M 448	442	10.0	mg/L	NC	NC	NC
QC13050396	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1305073-001	ND	0.862	0.909	0.690	mg/L	99	106	5 %
QC13050396	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1305159-002	28.5	SC 26.5	29.0	0.690	mg/L	NC	NC	NC
QC13050403	MS 1	Thiocyanate	SM 4500 CN	1305109-001	0.216	0.672	0.670	0.500	mg/L	91	91	<1%
QC13050442	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1305116-002	0.117	1.06	1.10	1.00	mg/L	94	99	4 %
QC13050442	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1305176-001	ND	0.941	0.953	1.00	mg/L	94	95	1 %
QC13050489	MS 1	Antimony	EPA 200.8	1305109-001	0.4467	0.4538	0.4524	0.010	mg/L	71	57	<1%
		Arsenic	EPA 200.8	1305109-001	2.2106	SC 2.2226	2.2169	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1305109-001	ND	0.0077	0.0076	0.010	mg/L	77	76	1 %
		Cadmium	EPA 200.8	1305109-001	0.0013	0.0107	0.0104	0.010	mg/L	94	92	3 %
		Chromium	EPA 200.8	1305109-001	0.0020	0.0119	0.0127	0.010	mg/L	99	107	7 %
		Copper	EPA 200.8	1305109-001	0.0108	0.0214	0.0225	0.010	mg/L	106	117	5 %

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QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13050525	MS 1	Lead	EPA 200.8	1305109-001	0.2613	0.2727	0.2743	0.010	mg/L	114	130	1 %
		Nickel	EPA 200.8	1305109-001	0.0025	0.0121	0.0121	0.010	mg/L	96	95	<1%
		Selenium	EPA 200.8	1305109-001	0.0081	0.0536	0.0533	0.050	mg/L	91	91	1 %
		Silver	EPA 200.8	1305109-001	ND	0.0082	0.0085	0.010	mg/L	76	78	4 %
		Thallium	EPA 200.8	1305109-001	ND	0.0094	0.0095	0.010	mg/L	94	94	1 %
		Uranium	EPA 200.8	1305109-001	0.0402	0.0505	0.0505	0.010	mg/L	103	103	<1%
		Aluminum	EPA 200.7	1305109-001	2.65	4.26	4.12	1.00	mg/L	161	147	3 %
		Barium	EPA 200.7	1305109-001	0.033	1.02	1.01	1.00	mg/L	99	98	1 %
		Bismuth	EPA 200.7	1305109-001	ND	1.10	1.08	1.00	mg/L	108	106	2 %
		Boron	EPA 200.7	1305109-001	0.026	1.09	1.09	1.00	mg/L	106	106	<1%
		Calcium	EPA 200.7	1305109-001	6.62	15.8	15.8	10.0	mg/L	92	92	<1%
		Cobalt	EPA 200.7	1305109-001	ND	0.969	0.969	1.00	mg/L	97	97	<1%
		Gallium	EPA 200.7	1305109-001	ND	1.08	1.08	1.00	mg/L	108	108	<1%
		Iron	EPA 200.7	1305109-001	1.13	2.29	2.23	1.00	mg/L	116	110	3 %
		Lithium	EPA 200.7	1305109-001	ND	0.984	0.991	1.00	mg/L	98	98	1 %
		Magnesium	EPA 200.7	1305109-001	0.443	10.2	10.2	10.0	mg/L	98	98	<1%
		Manganese	EPA 200.7	1305109-001	0.040	0.993	0.987	1.00	mg/L	95	95	1 %
		Molybdenum	EPA 200.7	1305109-001	0.008	0.986	0.981	1.00	mg/L	98	97	1 %
		Phosphorus	EPA 200.7	1305109-001	0.604	5.63	5.70	5.00	mg/L	101	102	1 %
		Potassium	EPA 200.7	1305109-001	3.39	13.5	13.4	10.0	mg/L	101	100	1 %
		Scandium	EPA 200.7	1305109-001	ND	0.982	0.982	1.00	mg/L	98	98	<1%
		Silicon	EPA 200.7	1305109-001	23.4	34.5	34.1	10.0	mg/L	111	107	1 %
		Sodium	EPA 200.7	1305109-001	188	198	197	10.0	mg/L	100	90	1 %
		Strontium	EPA 200.7	1305109-001	0.094	1.09	1.10	1.00	mg/L	100	101	1 %
		Tin	EPA 200.7	1305109-001	ND	0.972	0.969	1.00	mg/L	97	97	<1%
		Titanium	EPA 200.7	1305109-001	0.031	1.01	1.00	1.00	mg/L	98	97	1 %
		Vanadium	EPA 200.7	1305109-001	0.024	1.01	1.00	1.00	mg/L	99	98	1 %
		Zinc	EPA 200.7	1305109-001	0.026	1.12	1.13	1.00	mg/L	109	110	1 %

6/5/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1305109

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 5/6/2013. Additional comments are located on page 2 of this report.

This is an amended report that includes corrected data for Nickel on sample 1305109-003. Please see page two for additional comments. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassidy and Associates - 1305109

General Comments

None

Specific Comments

This amended report also includes a matrix qualifier added for Aluminum on sample 1305109-001.

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Aluminum on sample 1305109-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 6/5/2013

OrderID: 1305109

Customer Sample ID: 63301 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-001

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	5/10/2013
Thiocyanate	SM 4500 CNM	0.22	mg/L	1	0.10	5/9/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	5/10/2013
pH	SM 4500-H+ B	8.65	pH Units	1		5/6/2013
Bicarbonate (HCO3)	SM 2320B	360	mg/L	1	1.0	5/6/2013
Carbonate (CO3)	SM 2320B	16	mg/L	1	1.0	5/6/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	5/6/2013
Total Alkalinity	SM 2320B	330	mg/L as CaCO3	1	1.0	5/6/2013
Redox Potential	SM 2580B	35	mV	1		5/7/2013
Total Nitrogen	Calc.	1.2	mg/L	1	0.10	5/9/2013
Total Cyanide	SM 4500CNC	0.16	mg/L	1	0.010	5/8/2013
Total Dissolved Solids (TDS)	SM 2540C	520	mg/L	1	10	5/8/2013
WAD Cyanide	SM 4500CNI	0.011	mg/L	1	0.010	5/7/2013
Electrical Conductivity	SM 2510B	740	µmhos/cm	1	1	5/10/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	5/7/2013
Fluoride	EPA 300.0	0.79	mg/L	1	0.10	5/8/2013
Sulfate	EPA 300.0	84	mg/L	1	1.0	5/8/2013
Nitrate Nitrogen	EPA 300.0	0.51	mg/L	1	0.010	5/7/2013
Nitrite Nitrogen	EPA 300.0	0.015	mg/L	1	0.010	5/7/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.65	mg/L	1	0.20	5/9/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.6 M	mg/L	1	0.045	5/13/2013
Barium	EPA 200.7	0.033	mg/L	1	0.010	5/13/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	5/13/2013
Boron	EPA 200.7	0.026	mg/L	1	0.020	5/13/2013
Calcium	EPA 200.7	6.6	mg/L	1	0.500	5/13/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	5/13/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	5/13/2013
Iron	EPA 200.7	1.1	mg/L	1	0.010	5/13/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	5/13/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63301 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-001

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Magnesium	EPA 200.7	0.44	mg/L	1	0.25	5/13/2013
Manganese	EPA 200.7	0.040	mg/L	1	0.0050	5/13/2013
Molybdenum	EPA 200.7	0.0080	mg/L	1	0.0050	5/13/2013
Phosphorus	EPA 200.7	0.60	mg/L	1	0.50	5/13/2013
Potassium	EPA 200.7	3.4	mg/L	1	0.50	5/13/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	5/13/2013
Silicon	EPA 200.7	23	mg/L	1	0.10	5/13/2013
Sodium	EPA 200.7	190	mg/L	1	0.50	5/13/2013
Strontium	EPA 200.7	0.094	mg/L	1	0.0020	5/13/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	5/13/2013
Titanium	EPA 200.7	0.031	mg/L	1	0.0050	5/13/2013
Vanadium	EPA 200.7	0.024	mg/L	1	0.010	5/13/2013
Zinc	EPA 200.7	0.026	mg/L	1	0.010	5/13/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.45	mg/L	10	0.0050	5/13/2013
Arsenic	EPA 200.8	2.2 SC	mg/L	10	0.030	5/13/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	5/14/2013
Cadmium	EPA 200.8	0.0013	mg/L	1	0.00090	5/13/2013
Chromium	EPA 200.8	0.0020	mg/L	1	0.0010	5/13/2013
Copper	EPA 200.8	0.011	mg/L	1	0.0025	5/13/2013
Lead	EPA 200.8	0.26	mg/L	10	0.020	5/13/2013
Nickel	EPA 200.8	0.0025	mg/L	1	0.0010	5/13/2013
Selenium	EPA 200.8	0.0081	mg/L	1	0.0020	5/13/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	5/13/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	5/13/2013
Uranium	EPA 200.8	0.040	mg/L	1	0.00040	5/13/2013

Mercury by CVA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	5/8/2013

Ion Balance

Anions	Calculation	8.26	meq/L	1	0.10	
Cations	Calculation	9.03	meq/L	1	0.10	
Error	Calculation	4.5	%	1	1.0	

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		5/9/2013

Customer Sample ID: 63316 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-002

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	5/9/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	5/10/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	5/10/2013
pH	SM 4500-H+ B	8.75	pH Units	1		5/6/2013
Bicarbonate (HCO3)	SM 2320B	330	mg/L	1	1.0	5/6/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-002

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Carbonate (CO3)	SM 2320B	20	mg/L	1	1.0	5/6/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	5/6/2013
Total Alkalinity	SM 2320B	300	mg/L as CaCO3	1	1.0	5/6/2013
Redox Potential	SM 2580B	-75	mV	1		5/7/2013
Total Nitrogen	Calc.	0.43	mg/L	1	0.10	5/9/2013
Total Cyanide	SM 4500CNC	0.049	mg/L	1	0.010	5/8/2013
Total Dissolved Solids (TDS)	SM 2540C	510	mg/L	1	10	5/8/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	5/7/2013
Electrical Conductivity	SM 2510B	780	µmhos/cm	1	1	5/10/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	ND	mg/L	1	0.10	5/7/2013
Fluoride	EPA 300.0	1.0	mg/L	1	0.10	5/8/2013
Sulfate	EPA 300.0	120	mg/L	1	1.0	5/8/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	5/7/2013
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.010	5/7/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.43	mg/L	1	0.20	5/9/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	2.6	mg/L	1	0.045	5/13/2013
Barium	EPA 200.7	0.029	mg/L	1	0.010	5/13/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	5/13/2013
Boron	EPA 200.7	0.027	mg/L	1	0.020	5/13/2013
Calcium	EPA 200.7	6.0	mg/L	1	0.500	5/13/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	5/13/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	5/13/2013
Iron	EPA 200.7	1.4	mg/L	1	0.010	5/13/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	5/13/2013
Magnesium	EPA 200.7	0.40	mg/L	1	0.25	5/13/2013
Manganese	EPA 200.7	0.036	mg/L	1	0.0050	5/13/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	5/13/2013
Phosphorus	EPA 200.7	0.54	mg/L	1	0.50	5/13/2013
Potassium	EPA 200.7	3.2	mg/L	1	0.50	5/13/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	5/13/2013
Silicon	EPA 200.7	24	mg/L	1	0.10	5/13/2013
Sodium	EPA 200.7	180	mg/L	1	0.50	5/13/2013
Strontium	EPA 200.7	0.070	mg/L	1	0.0020	5/13/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	5/13/2013
Titanium	EPA 200.7	0.037	mg/L	1	0.0050	5/13/2013
Vanadium	EPA 200.7	0.031	mg/L	1	0.010	5/13/2013
Zinc	EPA 200.7	0.040	mg/L	1	0.010	5/13/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.47	mg/L	10	0.0050	5/13/2013
Arsenic	EPA 200.8	2.6	mg/L	10	0.030	5/13/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	5/14/2013
Cadmium	EPA 200.8	0.0012	mg/L	1	0.00090	5/13/2013
Chromium	EPA 200.8	0.0021	mg/L	1	0.0010	5/13/2013
Copper	EPA 200.8	0.025	mg/L	1	0.0025	5/13/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-002

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Lead	EPA 200.8	0.28	mg/L	10	0.020	5/13/2013
Nickel	EPA 200.8	0.0034	mg/L	1	0.0010	5/13/2013
Selenium	EPA 200.8	0.011	mg/L	1	0.0020	5/13/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	5/13/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	5/13/2013
Uranium	EPA 200.8	0.043	mg/L	1	0.00040	5/13/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	5/8/2013
<u>Ion Balance</u>						
Anions	Calculation	8.63	meq/L	1	0.10	
Cations	Calculation	8.58	meq/L	1	0.10	
Error	Calculation	ND	%	1	1.0	
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		5/9/2013

Customer Sample ID: 63322 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-003

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	0.09	mg/L	1	0.050	5/10/2013
Thiocyanate	SM 4500 CNM	0.36	mg/L	1	0.10	5/9/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.13	mg/L	1	0.050	5/10/2013
pH	SM 4500-H+ B	8.68	pH Units	1		5/7/2013
Bicarbonate (HCO3)	SM 2320B	420	mg/L	1	1.0	5/7/2013
Carbonate (CO3)	SM 2320B	19	mg/L	1	1.0	5/7/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	5/7/2013
Total Alkalinity	SM 2320B	380	mg/L as CaCO3	1	1.0	5/7/2013
Redox Potential	SM 2580B	-128	mV	1		5/7/2013
Total Nitrogen	Calc.	1.6	mg/L	1	0.10	5/9/2013
Total Cyanide	SM 4500CNC	2.3	mg/L	25	0.25	5/8/2013
Total Dissolved Solids (TDS)	SM 2540C	520	mg/L	1	10	5/8/2013
WAD Cyanide	SM 4500CNI	1.9	mg/L	10	0.10	5/7/2013
Electrical Conductivity	SM 2510B	840	µmhos/cm	1	1	5/10/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.11	mg/L	1	0.10	5/7/2013
Fluoride	EPA 300.0	0.57	mg/L	1	0.10	5/8/2013
Sulfate	EPA 300.0	80	mg/L	1	1.0	5/8/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	5/7/2013
Nitrite Nitrogen	EPA 300.0	0.062	mg/L	1	0.010	5/7/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	1.5	mg/L	1	0.20	5/9/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	1.4	mg/L	1	0.045	5/13/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 6 May 13

Collect Date/Time: 5/6/2013 13:30

WETLAB Sample ID: 1305109-003

Receive Date: 5/6/2013 15:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Barium	EPA 200.7	0.021	mg/L	1	0.010	5/13/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	5/13/2013
Boron	EPA 200.7	0.048	mg/L	1	0.020	5/13/2013
Calcium	EPA 200.7	4.7	mg/L	1	0.500	5/13/2013
Cobalt	EPA 200.7	0.0050	mg/L	1	0.0020	5/13/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	5/13/2013
Iron	EPA 200.7	0.86	mg/L	1	0.010	5/13/2013
Lithium	EPA 200.7	0.044	mg/L	1	0.020	5/13/2013
Magnesium	EPA 200.7	0.56	mg/L	1	0.50	5/13/2013
Manganese	EPA 200.7	0.024	mg/L	1	0.0050	5/13/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	5/13/2013
Phosphorus	EPA 200.7	0.36	mg/L	1	0.10	5/13/2013
Potassium	EPA 200.7	3.0	mg/L	1	0.50	5/13/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	5/13/2013
Silicon	EPA 200.7	16	mg/L	1	0.10	5/13/2013
Sodium	EPA 200.7	210	mg/L	1	0.50	5/13/2013
Strontium	EPA 200.7	0.070	mg/L	1	0.0020	5/13/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	5/13/2013
Titanium	EPA 200.7	0.042	mg/L	1	0.0050	5/13/2013
Vanadium	EPA 200.7	0.016	mg/L	1	0.010	5/13/2013
Zinc	EPA 200.7	0.028	mg/L	1	0.010	5/13/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.20	mg/L	10	0.0050	5/13/2013
Arsenic	EPA 200.8	1.4	mg/L	10	0.030	5/13/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	5/14/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	5/13/2013
Chromium	EPA 200.8	0.0021	mg/L	1	0.0010	5/13/2013
Copper	EPA 200.8	1.1	mg/L	10	0.025	5/14/2013
Lead	EPA 200.8	0.18	mg/L	10	0.020	5/13/2013
Nickel	EPA 200.8	0.13	mg/L	10	0.010	5/13/2013
Selenium	EPA 200.8	0.010	mg/L	1	0.0020	5/13/2013
Silver	EPA 200.8	0.032	mg/L	1	0.0015	5/13/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	5/13/2013
Uranium	EPA 200.8	0.050	mg/L	1	0.00040	5/13/2013

Mercury by CVAA

Mercury	EPA 245.1	0.00037	mg/L	1	0.00010	5/8/2013

Ion Balance

Anions	Calculation	9.29	meq/L	1	0.10	
Cations	Calculation	9.74	meq/L	1	0.10	
Error	Calculation	2.4	%	1	1.0	

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		5/9/2013

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13050264	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13050264	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13050264	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13050297	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13050297	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13050323	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13050323	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13050323	Blank 3	Chloride	EPA 300.0	ND	mg/L
QC13050325	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13050325	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13050325	Blank 3	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13050328	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13050328	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13050328	Blank 3	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13050340	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13050340	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13050345	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13050345	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13050345	Blank 3	Fluoride	EPA 300.0	ND	mg/L
QC13050350	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13050350	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13050350	Blank 3	Sulfate	EPA 300.0	ND	mg/L
QC13050396	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13050396	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13050396	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13050403	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13050403	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13050408	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13050408	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L
QC13050442	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13050442	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13050442	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13050448	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13050456	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13050456	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13050456	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13050489	Blank 1	Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC13050525	Blank 1	Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L
		Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13050260	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13050260	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13050260	LCS 3	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13050262	LCS 1	Total Alkalinity	SM 2320B	100	100	100	mg/L
QC13050262	LCS 2	Total Alkalinity	SM 2320B	99.7	100	100	mg/L
QC13050262	LCS 3	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13050262	LCS 4	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13050264	LCS 1	WAD Cyanide	SM 4500CNI	0.087	0.100	87	mg/L
QC13050297	LCS 1	Total Cyanide	SM 4500CNC	0.096	0.100	96	mg/L
QC13050309	LCS 1	Redox Potential	SM 2580B	221	221	100	mV
QC13050323	LCS 1	Chloride	EPA 300.0	10.1	10.0	101	mg/L
QC13050325	LCS 1	Nitrite Nitrogen	EPA 300.0	0.497	0.500	99	mg/L
QC13050328	LCS 1	Nitrate Nitrogen	EPA 300.0	0.533	0.500	107	mg/L
QC13050340	LCS 1	Mercury	EPA 245.1	0.004990	0.005	100	mg/L
QC13050345	LCS 1	Fluoride	EPA 300.0	1.93	2.00	97	mg/L
QC13050350	LCS 1	Sulfate	EPA 300.0	24.4	25.0	98	mg/L
QC13050396	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.740	0.690	107	mg/L
QC13050408	LCS 1	Cyanate	SM 4500 CNL	1.03	1.00	103	mg/L
QC13050442	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.980	1.00	98	mg/L
QC13050448	LCS 1	Electrical Conductivity	SM 2510B	1420	1412	101	µmhos/cm
QC13050456	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	149	150	100	mg/L
QC13050456	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L
QC13050456	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	152	150	101	mg/L
QC13050489	LCS 1	Antimony	EPA 200.8	0.0099	0.010	99	mg/L
		Arsenic	EPA 200.8	0.0508	0.050	102	mg/L
		Beryllium	EPA 200.8	0.0105	0.010	104	mg/L
		Cadmium	EPA 200.8	0.0106	0.010	106	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
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1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13050525	LCS 1	Chromium	EPA 200.8	0.0092	0.010	92	mg/L
		Copper	EPA 200.8	0.0092	0.010	92	mg/L
		Lead	EPA 200.8	0.0100	0.010	100	mg/L
		Nickel	EPA 200.8	0.0102	0.010	102	mg/L
		Selenium	EPA 200.8	0.0475	0.050	95	mg/L
		Silver	EPA 200.8	0.0087	0.010	87	mg/L
		Thallium	EPA 200.8	0.0101	0.010	101	mg/L
		Uranium	EPA 200.8	0.0100	0.010	100	mg/L
		Aluminum	EPA 200.7	1.03	1.00	103	mg/L
		Barium	EPA 200.7	1.00	1.00	100	mg/L
		Bismuth	EPA 200.7	0.977	1.00	98	mg/L
		Boron	EPA 200.7	1.02	1.00	102	mg/L
		Calcium	EPA 200.7	9.77	10.0	98	mg/L
		Cobalt	EPA 200.7	0.983	1.00	98	mg/L
		Gallium	EPA 200.7	1.05	1.00	105	mg/L
		Iron	EPA 200.7	1.00	1.00	100	mg/L
		Lithium	EPA 200.7	1.02	1.00	102	mg/L
		Magnesium	EPA 200.7	9.66	10.0	97	mg/L
		Manganese	EPA 200.7	0.985	1.00	98	mg/L
		Molybdenum	EPA 200.7	0.982	1.00	98	mg/L
		Phosphorus	EPA 200.7	5.07	5.00	101	mg/L
		Potassium	EPA 200.7	10.2	10.0	102	mg/L
		Scandium	EPA 200.7	1.00	1.00	100	mg/L
		Silicon	EPA 200.7	9.23	10.0	92	mg/L
		Sodium	EPA 200.7	10.4	10.0	104	mg/L
		Strontium	EPA 200.7	1.01	1.00	101	mg/L
		Tin	EPA 200.7	0.973	1.00	97	mg/L
		Titanium	EPA 200.7	0.984	1.00	98	mg/L
		Vanadium	EPA 200.7	1.01	1.00	101	mg/L
		Zinc	EPA 200.7	1.05	1.00	105	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13050260	Duplicate	pH	SM 4500-H+ B	1305075-001	7.09	7.11	pH Units	<1%
QC13050260	Duplicate	pH	SM 4500-H+ B	1305075-011	9.02	9.13	Q pH Units	1 %
QC13050260	Duplicate	pH	SM 4500-H+ B	1305109-001	8.65	8.66	pH Units	<1%
QC13050260	Duplicate	pH	SM 4500-H+ B	1305109-002	8.75	8.75	pH Units	<1%
QC13050260	Duplicate	pH	SM 4500-H+ B	1305109-003	8.68	8.69	pH Units	<1%
QC13050260	Duplicate	pH	SM 4500-H+ B	1305105-008	6.96	7.06	pH Units	1 %
QC13050262	Duplicate	Bicarbonate (HCO3)	SM 2320B	1305075-001	294	294	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1305075-001	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1305075-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1305075-001	241	241	mg/L as CaCO3	<1%
QC13050262	Duplicate	Bicarbonate (HCO3)	SM 2320B	1305075-011	222	235	mg/L	6 %
		Carbonate (CO3)	SM 2320B	1305075-011	21.9	27.8	Q mg/L	24 %
		Hydroxide (OH)	SM 2320B	1305075-011	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1305075-011	218	239	mg/L as CaCO3	9 %
QC13050262	Duplicate	Bicarbonate (HCO3)	SM 2320B	1305109-001	365	365	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1305109-001	16.1	16.3	mg/L	1 %

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13050262	Duplicate	Hydroxide (OH)	SM 2320B	1305109-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1305109-001	326	327	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1305109-002	327	324	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1305109-002	19.6	20.6	mg/L	5 %
QC13050262	Duplicate	Hydroxide (OH)	SM 2320B	1305109-002	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1305109-002	301	300	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1305109-003	421	421	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1305109-003	19.1	19.2	mg/L	<1%
QC13050262	Duplicate	Hydroxide (OH)	SM 2320B	1305109-003	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1305109-003	377	377	mg/L as CaCO3	<1%
QC13050309	Duplicate	Redox Potential	SM 2580B	1305105-002	111	116	mV	5 %
QC13050309	Duplicate	Redox Potential	SM 2580B	1305105-011	396	395	mV	<1%
QC13050408	Duplicate	Cyanate	SM 4500 CNL	1305109-001	ND	ND	mg/L	<1%
QC13050448	Duplicate	Electrical Conductivity	SM 2510B	1305109-001	741	742	µmhos/cm	<1%
QC13050456	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305061-001	195	194	mg/L	1 %
QC13050456	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305073-010	273	280	mg/L	3 %
QC13050456	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305074-009	208	209	mg/L	<1%
QC13050456	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305075-008	197	199	mg/L	1 %
QC13050456	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305075-011	167	164	mg/L	2 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13050264	MS 1	WAD Cyanide	SM 4500CNI	1305007-001	ND	0.080	0.082	0.100	mg/L	80	82	2 %
QC13050264	MS 2	WAD Cyanide	SM 4500CNI	1305025-008	ND	0.093	0.084	0.100	mg/L	93	84	10 %
QC13050297	MS 1	Total Cyanide	SM 4500CNC	1305109-001	0.156	0.262	0.247	0.100	mg/L	106	92	6 %
QC13050323	MS 1	Chloride	EPA 300.0	1305109-003	0.113	1.29	1.31	1.25	mg/L	94	96	2 %
QC13050323	MS 2	Chloride	EPA 300.0	1305145-004	34.0	22.8	22.9	1.25	mg/L	115	119	<1%
QC13050325	MS 1	Nitrite Nitrogen	EPA 300.0	1305109-003	0.062	0.169	0.163	0.125	mg/L	86	81	4 %
QC13050325	MS 2	Nitrite Nitrogen	EPA 300.0	1305140-004	ND	M 0.075	0.079	0.125	mg/L	NC	NC	NC
QC13050328	MS 1	Nitrate Nitrogen	EPA 300.0	1305109-003	ND	0.504	0.514	0.500	mg/L	99	101	2 %
QC13050328	MS 2	Nitrate Nitrogen	EPA 300.0	1305122-007	0.022	M 0.415	0.439	0.500	mg/L	NC	NC	NC
QC13050340	MS 1	Mercury	EPA 245.1	1305109-001	ND	0.005030	0.005290	0.005	mg/L	101	106	5 %
QC13050345	MS 1	Fluoride	EPA 300.0	1305137-001	ND	1.86	1.97	2.00	mg/L	92	97	6 %
QC13050345	MS 2	Fluoride	EPA 300.0	1305092-007	0.832	10.5	10.1	2.00	mg/L	96	92	4 %
QC13050350	MS 1	Sulfate	EPA 300.0	1305137-001	ND	10.6	10.9	10.0	mg/L	97	101	3 %
QC13050350	MS 2	Sulfate	EPA 300.0	1305092-007	369	M 448	442	10.0	mg/L	NC	NC	NC
QC13050396	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1305073-001	ND	0.862	0.909	0.690	mg/L	99	106	5 %
QC13050396	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1305159-002	28.5	SC 26.5	29.0	0.690	mg/L	NC	NC	NC
QC13050403	MS 1	Thiocyanate	SM 4500 CN	1305109-001	0.216	0.672	0.670	0.500	mg/L	91	91	<1%
QC13050442	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1305116-002	0.117	1.06	1.10	1.00	mg/L	94	99	4 %
QC13050442	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1305176-001	ND	0.941	0.953	1.00	mg/L	94	95	1 %
QC13050489	MS 1	Antimony	EPA 200.8	1305109-001	0.4467	0.4538	0.4524	0.010	mg/L	71	57	<1%
		Arsenic	EPA 200.8	1305109-001	2.2106	SC 2.2226	2.2169	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1305109-001	ND	0.0077	0.0076	0.010	mg/L	77	76	1 %
		Cadmium	EPA 200.8	1305109-001	0.0013	0.0107	0.0104	0.010	mg/L	94	92	3 %
		Chromium	EPA 200.8	1305109-001	0.0020	0.0119	0.0127	0.010	mg/L	99	107	7 %
		Copper	EPA 200.8	1305109-001	0.0108	0.0214	0.0225	0.010	mg/L	106	117	5 %

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 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13050525	MS 1	Lead	EPA 200.8	1305109-001	0.2613	0.2727	0.2743	0.010	mg/L	114	130	1 %
		Nickel	EPA 200.8	1305109-001	0.0025	0.0121	0.0121	0.010	mg/L	96	95	<1%
		Selenium	EPA 200.8	1305109-001	0.0081	0.0536	0.0533	0.050	mg/L	91	91	1 %
		Silver	EPA 200.8	1305109-001	ND	0.0082	0.0085	0.010	mg/L	76	78	4 %
		Thallium	EPA 200.8	1305109-001	ND	0.0094	0.0095	0.010	mg/L	94	94	1 %
		Uranium	EPA 200.8	1305109-001	0.0402	0.0505	0.0505	0.010	mg/L	103	103	<1%
		Aluminum	EPA 200.7	1305109-001	2.65	M 4.26	4.12	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1305109-001	0.033	1.02	1.01	1.00	mg/L	99	98	1 %
		Bismuth	EPA 200.7	1305109-001	ND	1.10	1.08	1.00	mg/L	108	106	2 %
		Boron	EPA 200.7	1305109-001	0.026	1.09	1.09	1.00	mg/L	106	106	<1%
		Calcium	EPA 200.7	1305109-001	6.62	15.8	15.8	10.0	mg/L	92	92	<1%
		Cobalt	EPA 200.7	1305109-001	ND	0.969	0.969	1.00	mg/L	97	97	<1%
		Gallium	EPA 200.7	1305109-001	ND	1.08	1.08	1.00	mg/L	108	108	<1%
		Iron	EPA 200.7	1305109-001	1.13	2.29	2.23	1.00	mg/L	116	110	3 %
		Lithium	EPA 200.7	1305109-001	ND	0.984	0.991	1.00	mg/L	98	98	1 %
		Magnesium	EPA 200.7	1305109-001	0.443	10.2	10.2	10.0	mg/L	98	98	<1%
		Manganese	EPA 200.7	1305109-001	0.040	0.993	0.987	1.00	mg/L	95	95	1 %
		Molybdenum	EPA 200.7	1305109-001	0.008	0.986	0.981	1.00	mg/L	98	97	1 %
		Phosphorus	EPA 200.7	1305109-001	0.604	5.63	5.70	5.00	mg/L	101	102	1 %
		Potassium	EPA 200.7	1305109-001	3.39	13.5	13.4	10.0	mg/L	101	100	1 %
		Scandium	EPA 200.7	1305109-001	ND	0.982	0.982	1.00	mg/L	98	98	<1%
		Silicon	EPA 200.7	1305109-001	23.4	34.5	34.1	10.0	mg/L	111	107	1 %
		Sodium	EPA 200.7	1305109-001	188	198	197	10.0	mg/L	100	90	1 %
		Strontium	EPA 200.7	1305109-001	0.094	1.09	1.10	1.00	mg/L	100	101	1 %
		Tin	EPA 200.7	1305109-001	ND	0.972	0.969	1.00	mg/L	97	97	<1%
		Titanium	EPA 200.7	1305109-001	0.031	1.01	1.00	1.00	mg/L	98	97	1 %
		Vanadium	EPA 200.7	1305109-001	0.024	1.01	1.00	1.00	mg/L	99	98	1 %
		Zinc	EPA 200.7	1305109-001	0.026	1.12	1.13	1.00	mg/L	109	110	1 %

5/29/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1305401

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 5/20/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1305401

General Comments

None

Specific Comments

None

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 5/29/2013

OrderID: 1305401

Customer Sample ID: 63301 20 May 13

Collect Date/Time: 5/20/2013 14:15

WETLAB Sample ID: 1305401-001

Receive Date: 5/20/2013 14:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	5/24/2013
Thiocyanate	SM 4500 CNM	0.34	mg/L	1	0.10	5/24/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.053	mg/L	1	0.050	5/23/2013
pH	SM 4500-H+ B	8.63	pH Units	1		5/20/2013
Bicarbonate (HCO3)	SM 2320B	360	mg/L	1	1.0	5/20/2013
Carbonate (CO3)	SM 2320B	14	mg/L	1	1.0	5/20/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	5/20/2013
Total Alkalinity	SM 2320B	320	mg/L as CaCO3	1	1.0	5/20/2013
Redox Potential	SM 2580B	-86	mV	1		5/21/2013
Total Nitrogen	Calc.	1.4	mg/L	1	0.10	5/24/2013
Total Cyanide	SM 4500CNC	0.18	mg/L	1	0.010	5/23/2013
Total Dissolved Solids (TDS)	SM 2540C	530	mg/L	1	10	5/23/2013
WAD Cyanide	SM 4500CNI	0.029	mg/L	1	0.010	5/23/2013
Electrical Conductivity	SM 2510B	760	µmhos/cm	1	1	5/24/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	5/21/2013
Fluoride	EPA 300.0	0.81	mg/L	1	0.10	5/21/2013
Sulfate	EPA 300.0	84	mg/L	1	1.0	5/21/2013
Nitrate Nitrogen	EPA 300.0	0.67	mg/L	1	0.010	5/21/2013
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.010	5/21/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.74	mg/L	1	0.20	5/24/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.8 M	mg/L	1	0.045	5/24/2013
Barium	EPA 200.7	0.038	mg/L	1	0.010	5/24/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	5/24/2013
Boron	EPA 200.7	0.032	mg/L	1	0.020	5/24/2013
Calcium	EPA 200.7	8.2	mg/L	1	0.500	5/24/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	5/24/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	5/24/2013
Iron	EPA 200.7	1.3	mg/L	1	0.010	5/24/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	5/24/2013

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Customer Sample ID: 63301 20 May 13

Collect Date/Time: 5/20/2013 14:15

WETLAB Sample ID: 1305401-001

Receive Date: 5/20/2013 14:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Magnesium	EPA 200.7	0.48	mg/L	1	0.25	5/24/2013
Manganese	EPA 200.7	0.050	mg/L	1	0.0050	5/24/2013
Molybdenum	EPA 200.7	0.0060	mg/L	1	0.0050	5/24/2013
Phosphorus	EPA 200.7	0.63	mg/L	1	0.50	5/24/2013
Potassium	EPA 200.7	3.4	mg/L	1	0.50	5/24/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	5/24/2013
Silicon	EPA 200.7	25	mg/L	1	0.10	5/24/2013
Sodium	EPA 200.7	170	mg/L	1	0.50	5/24/2013
Strontium	EPA 200.7	0.10	mg/L	1	0.10	5/24/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	5/24/2013
Titanium	EPA 200.7	0.039	mg/L	1	0.0050	5/24/2013
Vanadium	EPA 200.7	0.025	mg/L	1	0.010	5/24/2013
Zinc	EPA 200.7	0.036	mg/L	1	0.010	5/24/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.51	mg/L	10	0.0050	5/28/2013
Arsenic	EPA 200.8	2.6 SC	mg/L	10	0.030	5/28/2013
Beryllium	EPA 200.8	0.0010	mg/L	1	0.00035	5/29/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	5/28/2013
Chromium	EPA 200.8	0.0022	mg/L	1	0.0010	5/28/2013
Copper	EPA 200.8	0.012	mg/L	1	0.0025	5/28/2013
Lead	EPA 200.8	0.32 SC	mg/L	10	0.020	5/28/2013
Nickel	EPA 200.8	0.0028	mg/L	1	0.0010	5/28/2013
Selenium	EPA 200.8	0.0095	mg/L	1	0.0020	5/28/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	5/28/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	5/28/2013
Uranium	EPA 200.8	0.040	mg/L	1	0.00040	5/28/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	5/24/2013
<u>Ion Balance</u>						
Anions	Calculation	8.21	meq/L	1	0.10	
Cations	Calculation	8.28	meq/L	1	0.10	
Error	Calculation	ND	%	1	1.0	

Customer Sample ID: 63316 20 May 13

Collect Date/Time: 5/20/2013 14:15

WETLAB Sample ID: 1305401-002

Receive Date: 5/20/2013 14:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	5/24/2013
Thiocyanate	SM 4500 CNM	0.24	mg/L	1	0.10	5/24/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	5/23/2013
pH	SM 4500-H+ B	8.78	pH Units	1		5/20/2013
Bicarbonate (HCO3)	SM 2320B	310	mg/L	1	1.0	5/20/2013
Carbonate (CO3)	SM 2320B	19	mg/L	1	1.0	5/20/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	5/20/2013
Total Alkalinity	SM 2320B	290	mg/L as CaCO3	1	1.0	5/20/2013
Redox Potential	SM 2580B	-106	mV	1		5/21/2013
Total Nitrogen	Calc.	0.40	mg/L	1	0.10	5/24/2013
Total Cyanide	SM 4500CNC	0.054	mg/L	1	0.010	5/23/2013
Total Dissolved Solids (TDS)	SM 2540C	520	mg/L	1	10	5/23/2013
WAD Cyanide	SM 4500CNI	0.016	mg/L	1	0.010	5/23/2013
Electrical Conductivity	SM 2510B	740	µmhos/cm	1	1	5/24/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	5/21/2013
Fluoride	EPA 300.0	1.0	mg/L	1	0.10	5/21/2013
Sulfate	EPA 300.0	130	mg/L	1	1.0	5/21/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	5/21/2013
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.010	5/21/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.40	mg/L	1	0.20	5/24/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.8	mg/L	1	0.045	5/24/2013
Barium	EPA 200.7	0.034	mg/L	1	0.010	5/24/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	5/24/2013
Boron	EPA 200.7	0.030	mg/L	1	0.020	5/24/2013
Calcium	EPA 200.7	7.4	mg/L	1	0.500	5/24/2013
Cobalt	EPA 200.7	0.0020	mg/L	1	0.0020	5/24/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	5/24/2013
Iron	EPA 200.7	1.6	mg/L	1	0.010	5/24/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	5/24/2013
Magnesium	EPA 200.7	0.37	mg/L	1	0.25	5/24/2013
Manganese	EPA 200.7	0.044	mg/L	1	0.0050	5/24/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	5/24/2013
Phosphorus	EPA 200.7	0.52	mg/L	1	0.50	5/24/2013
Potassium	EPA 200.7	3.2	mg/L	1	0.50	5/24/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	5/24/2013
Silicon	EPA 200.7	25	mg/L	1	0.10	5/24/2013
Sodium	EPA 200.7	160	mg/L	1	0.50	5/24/2013
Strontium	EPA 200.7	0.077	mg/L	1	0.0020	5/24/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	5/24/2013
Titanium	EPA 200.7	0.045	mg/L	1	0.0050	5/24/2013
Vanadium	EPA 200.7	0.032	mg/L	1	0.010	5/24/2013
Zinc	EPA 200.7	0.050	mg/L	1	0.010	5/24/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 20 May 13

Collect Date/Time: 5/20/2013 14:15

WETLAB Sample ID: 1305401-002

Receive Date: 5/20/2013 14:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.50	mg/L	10	0.0050	5/28/2013
Arsenic	EPA 200.8	3.2	mg/L	10	0.030	5/28/2013
Beryllium	EPA 200.8	0.0011	mg/L	1	0.00035	5/29/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	5/28/2013
Chromium	EPA 200.8	0.0023	mg/L	1	0.0010	5/28/2013
Copper	EPA 200.8	0.024	mg/L	1	0.0025	5/28/2013
Lead	EPA 200.8	0.32	mg/L	10	0.020	5/28/2013
Nickel	EPA 200.8	0.0036	mg/L	1	0.0010	5/28/2013
Selenium	EPA 200.8	0.011	mg/L	1	0.0020	5/28/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	5/28/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	5/28/2013
Uranium	EPA 200.8	0.040	mg/L	1	0.00040	5/28/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	5/24/2013
<u>Ion Balance</u>						
Anions	Calculation	8.47	meq/L	1	0.10	
Cations	Calculation	7.81	meq/L	1	0.10	
Error	Calculation	4.1	%	1	1.0	

Customer Sample ID: 63322 20 May 13

Collect Date/Time: 5/20/2013 14:15

WETLAB Sample ID: 1305401-003

Receive Date: 5/20/2013 14:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	5/24/2013
Thiocyanate	SM 4500 CNM	0.65	mg/L	1	0.10	5/24/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.31	mg/L	1	0.050	5/23/2013
pH	SM 4500-H+ B	8.65	pH Units	1		5/20/2013
Bicarbonate (HCO3)	SM 2320B	420	mg/L	1	1.0	5/20/2013
Carbonate (CO3)	SM 2320B	16	mg/L	1	1.0	5/20/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	5/20/2013
Total Alkalinity	SM 2320B	370	mg/L as CaCO3	1	1.0	5/20/2013
Redox Potential	SM 2580B	-186	mV	1		5/21/2013
Total Nitrogen	Calc.	2.2	mg/L	1	0.10	5/24/2013
Total Cyanide	SM 4500CNC	2.3	mg/L	25	0.25	5/23/2013
Total Dissolved Solids (TDS)	SM 2540C	490	mg/L	1	10	5/23/2013
WAD Cyanide	SM 4500CNI	2.2	mg/L	25	0.25	5/23/2013
Electrical Conductivity	SM 2510B	760	µmhos/cm	1	1	5/24/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.12	mg/L	1	0.10	5/21/2013
Fluoride	EPA 300.0	0.54	mg/L	1	0.10	5/21/2013
Sulfate	EPA 300.0	38	mg/L	1	1.0	5/21/2013
Nitrate Nitrogen	EPA 300.0	0.084	mg/L	1	0.010	5/21/2013
Nitrite Nitrogen	EPA 300.0	0.14	mg/L	1	0.010	5/21/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	1.9	mg/L	1	0.20	5/24/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	1.2	mg/L	1	0.045	5/24/2013
Barium	EPA 200.7	0.019	mg/L	1	0.010	5/24/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	5/24/2013
Boron	EPA 200.7	0.044	mg/L	1	0.020	5/24/2013
Calcium	EPA 200.7	4.7	mg/L	1	0.500	5/24/2013
Cobalt	EPA 200.7	0.011	mg/L	1	0.010	5/24/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	5/24/2013
Iron	EPA 200.7	0.84	mg/L	1	0.010	5/24/2013
Lithium	EPA 200.7	0.038	mg/L	1	0.020	5/24/2013
Magnesium	EPA 200.7	0.50	mg/L	1	0.25	5/24/2013
Manganese	EPA 200.7	0.025	mg/L	1	0.0050	5/24/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	5/24/2013
Phosphorus	EPA 200.7	0.35	mg/L	1	0.10	5/24/2013
Potassium	EPA 200.7	2.9	mg/L	1	0.50	5/24/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	5/24/2013
Silicon	EPA 200.7	15	mg/L	1	0.10	5/24/2013
Sodium	EPA 200.7	170	mg/L	1	0.50	5/24/2013
Strontium	EPA 200.7	0.063	mg/L	1	0.0020	5/24/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	5/24/2013
Titanium	EPA 200.7	0.039	mg/L	1	0.0050	5/24/2013
Vanadium	EPA 200.7	0.014	mg/L	1	0.010	5/24/2013
Zinc	EPA 200.7	0.026	mg/L	1	0.010	5/24/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 20 May 13

Collect Date/Time: 5/20/2013 14:15

WETLAB Sample ID: 1305401-003

Receive Date: 5/20/2013 14:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.19	mg/L	10	0.0050	5/28/2013
Arsenic	EPA 200.8	1.4	mg/L	10	0.030	5/28/2013
Beryllium	EPA 200.8	0.00093	mg/L	1	0.00035	5/29/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	5/28/2013
Chromium	EPA 200.8	0.0020	mg/L	1	0.0010	5/28/2013
Copper	EPA 200.8	1.7	mg/L	100	0.25	5/28/2013
Lead	EPA 200.8	0.16	mg/L	10	0.020	5/28/2013
Nickel	EPA 200.8	0.14	mg/L	10	0.010	5/28/2013
Selenium	EPA 200.8	0.0086	mg/L	1	0.0020	5/28/2013
Silver	EPA 200.8	0.042	mg/L	1	0.0015	5/28/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	5/28/2013
Uranium	EPA 200.8	0.045	mg/L	1	0.00040	5/28/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	0.00027	mg/L	1	0.00010	5/24/2013
<u>Ion Balance</u>						
Anions	Calculation	8.33	meq/L	1	0.10	
Cations	Calculation	7.95	meq/L	1	0.10	
Error	Calculation	2.3	%	1	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13050899	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13050899	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13050900	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13050900	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13050903	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13050903	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13050903	Blank 3	Fluoride	EPA 300.0	ND	mg/L
QC13050906	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13050906	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13050906	Blank 3	Chloride	EPA 300.0	ND	mg/L
QC13050912	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13050912	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13050912	Blank 3	Sulfate	EPA 300.0	ND	mg/L
QC13051007	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13051007	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13051007	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13051008	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13051008	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13051011	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13051011	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13051011	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13051029	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13051029	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13051029	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13051029	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13051029	Blank 5	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13051048	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13051048	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13051072	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13051072	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13051074	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13051074	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L
QC13051080	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13051080	Blank 2	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13051085	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
QC13051142	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13051142	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13051142	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13051149	Blank 1	Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13050879	LCS 1	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13050879	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13050879	LCS 3	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13050882	LCS 1	Total Alkalinity	SM 2320B	99.6	100	100	mg/L
QC13050882	LCS 2	Total Alkalinity	SM 2320B	99.7	100	100	mg/L
QC13050882	LCS 3	Total Alkalinity	SM 2320B	99.8	100	100	mg/L
QC13050882	LCS 4	Total Alkalinity	SM 2320B	99.7	100	100	mg/L
QC13050882	LCS 5	Total Alkalinity	SM 2320B	98.2	100	98	mg/L
QC13050899	LCS 1	Nitrite Nitrogen	EPA 300.0	0.470	0.500	94	mg/L
QC13050900	LCS 1	Nitrate Nitrogen	EPA 300.0	0.464	0.500	93	mg/L
QC13050903	LCS 1	Fluoride	EPA 300.0	2.02	2.00	101	mg/L
QC13050906	LCS 1	Chloride	EPA 300.0	10.4	10.0	104	mg/L
QC13050910	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC13050912	LCS 1	Sulfate	EPA 300.0	24.5	25.0	98	mg/L
QC13051007	LCS 1	WAD Cyanide	SM 4500CNI	0.095	0.100	95	mg/L
QC13051008	LCS 1	Total Cyanide	SM 4500CNC	0.090	0.100	90	mg/L
QC13051011	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.941	1.00	94	mg/L
QC13051029	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.631	0.690	92	mg/L
QC13051029	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.660	0.690	96	mg/L
QC13051048	LCS 1	Mercury	EPA 245.1	0.005390	0.005	108	mg/L
QC13051074	LCS 1	Cyanate	SM 4500 CNL	1.03	1.00	103	mg/L
QC13051080	LCS 1	Electrical Conductivity	SM 2510B	1414	1412	100	µmhos/cm
QC13051085	LCS 1	Aluminum	EPA 200.7	0.993	1.00	99	mg/L
		Barium	EPA 200.7	0.984	1.00	98	mg/L
		Bismuth	EPA 200.7	1.02	1.00	102	mg/L
		Boron	EPA 200.7	0.961	1.00	96	mg/L

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
		Calcium	EPA 200.7	9.81	10.0	98	mg/L
		Cobalt	EPA 200.7	0.990	1.00	99	mg/L
		Gallium	EPA 200.7	0.991	1.00	99	mg/L
		Iron	EPA 200.7	0.975	1.00	98	mg/L
		Lithium	EPA 200.7	0.993	1.00	99	mg/L
		Magnesium	EPA 200.7	9.58	10.0	96	mg/L
		Manganese	EPA 200.7	0.982	1.00	98	mg/L
		Molybdenum	EPA 200.7	0.985	1.00	98	mg/L
		Phosphorus	EPA 200.7	4.93	5.00	99	mg/L
		Potassium	EPA 200.7	10.1	10.0	101	mg/L
		Scandium	EPA 200.7	0.985	1.00	98	mg/L
		Silicon	EPA 200.7	9.59	10.0	96	mg/L
		Sodium	EPA 200.7	10.4	10.0	104	mg/L
		Strontium	EPA 200.7	0.997	1.00	100	mg/L
		Tin	EPA 200.7	0.982	1.00	98	mg/L
		Titanium	EPA 200.7	0.998	1.00	100	mg/L
		Vanadium	EPA 200.7	0.980	1.00	98	mg/L
		Zinc	EPA 200.7	1.00	1.00	100	mg/L
QC13051142	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	159	150	106	mg/L
QC13051142	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	149	150	100	mg/L
QC13051142	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	160	150	107	mg/L
QC13051149	LCS 1	Antimony	EPA 200.8	0.0101	0.010	101	mg/L
		Arsenic	EPA 200.8	0.0528	0.050	106	mg/L
		Beryllium	EPA 200.8	0.0105	0.010	105	mg/L
		Cadmium	EPA 200.8	0.0109	0.010	109	mg/L
		Chromium	EPA 200.8	0.0105	0.010	105	mg/L
		Copper	EPA 200.8	0.0101	0.010	101	mg/L
		Lead	EPA 200.8	0.0102	0.010	102	mg/L
		Nickel	EPA 200.8	0.0104	0.010	104	mg/L
		Selenium	EPA 200.8	0.0512	0.050	102	mg/L
		Silver	EPA 200.8	0.0090	0.010	90	mg/L
		Thallium	EPA 200.8	0.0103	0.010	103	mg/L
		Uranium	EPA 200.8	0.0103	0.010	103	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13050879	Duplicate	pH	SM 4500-H+ B	1305401-001	8.63	8.64	pH Units	<1%
QC13050879	Duplicate	pH	SM 4500-H+ B	1305376-008	7.65	7.63	pH Units	<1%
QC13050879	Duplicate	pH	SM 4500-H+ B	1305401-002	8.78	8.79	pH Units	<1%
QC13050879	Duplicate	pH	SM 4500-H+ B	1305401-003	8.65	8.65	pH Units	<1%
QC13050879	Duplicate	pH	SM 4500-H+ B	1305407-001	8.51	8.55	HT pH Units	<1%
QC13050879	Duplicate	pH	SM 4500-H+ B	1305406-010	3.31	3.29	HT pH Units	1 %
QC13050882	Duplicate	Bicarbonate (HCO3)	SM 2320B	1305401-001	362	363	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1305401-001	13.8	13.2	mg/L	4 %
		Hydroxide (OH)	SM 2320B	1305401-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1305401-001	320	320	mg/L as CaCO3	<1%
QC13050882	Duplicate	Bicarbonate (HCO3)	SM 2320B	1305376-008	280	280	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1305376-008	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1305376-008	ND	ND	mg/L	<1%

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13050882	Duplicate	Total Alkalinity	SM 2320B	1305376-008	230	230	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1305401-002	311	311	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1305401-002	19.1	19.9	mg/L	4 %
		Hydroxide (OH)	SM 2320B	1305401-002	ND	ND	mg/L	<1%
QC13050882	Duplicate	Total Alkalinity	SM 2320B	1305401-002	287	288	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1305401-003	417	417	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1305401-003	16.0	15.4	mg/L	4 %
		Hydroxide (OH)	SM 2320B	1305401-003	ND	ND	mg/L	<1%
QC13050882	Duplicate	Total Alkalinity	SM 2320B	1305401-003	368	368	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1305407-001	236	235	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1305407-001	7.17	8.19	mg/L	13 %
		Hydroxide (OH)	SM 2320B	1305407-001	ND	ND	mg/L	<1%
QC13050882	Duplicate	Total Alkalinity	SM 2320B	1305407-001	205	206	mg/L as CaCO3	<1%
		Redox Potential	SM 2580B	1305406-002	20.7	13.5	mV	42 %
		Redox Potential	SM 2580B	1305406-011	339	330	mV	3 %
		Cyanate	SM 4500 CNL	1305401-001	ND	ND	mg/L	<1%
QC13051074	Duplicate	Electrical Conductivity	SM 2510B	1305316-001	2330	2270	µmhos/cm	3 %
QC13051080	Duplicate	Electrical Conductivity	SM 2510B	1305317-005	346	340	µmhos/cm	2 %
QC13051142	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305294-001	276	281	mg/L	2 %
QC13051142	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305294-011	298	302	mg/L	1 %
QC13051142	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305374-010	340	351	mg/L	3 %
QC13051142	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305375-009	253	252	mg/L	<1%
QC13051142	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305422-002	ND	ND	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13050899	MS 1	Nitrite Nitrogen	EPA 300.0	1305401-003	0.140	0.400	0.407	0.250	mg/L	104	107	2 %
QC13050900	MS 1	Nitrate Nitrogen	EPA 300.0	1305401-003	0.084	1.05	1.22	1.00	mg/L	96	114	15 %
QC13050903	MS 1	Fluoride	EPA 300.0	1305411-001	0.952	2.89	2.97	2.00	mg/L	97	101	3 %
QC13050903	MS 2	Fluoride	EPA 300.0	1305374-001	0.349	2.27	2.30	2.00	mg/L	96	97	1 %
QC13050906	MS 1	Chloride	EPA 300.0	1305411-001	40.5	45.1	45.3	5.00	mg/L	92	95	<1%
QC13050906	MS 2	Chloride	EPA 300.0	1305374-001	17.1	22.4	22.5	5.00	mg/L	106	108	<1%
QC13050912	MS 1	Sulfate	EPA 300.0	1305294-007	133	1126	1138	10.0	mg/L	99	101	1 %
QC13050912	MS 2	Sulfate	EPA 300.0	1305374-001	77.6	SC 90.7	91.1	10.0	mg/L	NC	NC	NC
QC13051007	MS 1	WAD Cyanide	SM 4500CNI	1305401-001	0.029	0.121	0.123	0.100	mg/L	92	94	2 %
QC13051007	MS 2	WAD Cyanide	SM 4500CNI	1305365-002	ND	0.102	0.103	0.100	mg/L	102	103	1 %
QC13051008	MS 1	Total Cyanide	SM 4500CNC	1305401-001	0.176	0.286	0.284	0.100	mg/L	110	108	1 %
QC13051011	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1305426-002	0.113	1.26	1.09	1.00	mg/L	114	97	14 %
QC13051011	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1305336-001	ND	0.991	1.01	1.00	mg/L	99	101	2 %
QC13051029	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1305215-001	ND	0.856	0.881	0.690	mg/L	97	101	3 %
QC13051029	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1305275-001	0.398	1.09	0.988	0.690	mg/L	100	85	10 %
QC13051029	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1305275-002	ND	0.778	0.801	0.690	mg/L	93	96	3 %
QC13051029	MS 4	Total Kjeldahl Nitrogen	EPA 351.2	1305276-001	0.244	0.955	0.907	0.690	mg/L	103	96	5 %
QC13051048	MS 1	Mercury	EPA 245.1	1305401-001	ND	0.005410	0.005470	0.005	mg/L	108	109	1 %
QC13051072	MS 1	Thiocyanate	SM 4500 CN	1305401-001	0.336	0.807	0.821	0.500	mg/L	94	97	2 %
QC13051085	MS 1	Aluminum	EPA 200.7	1305401-001	2.77	M 4.14	4.13	1.00	mg/L	NC	NC	NC

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13051149	MS 1	Barium	EPA 200.7	1305401-001	0.038	1.02	1.03	1.00	mg/L	98	99	1 %
		Bismuth	EPA 200.7	1305401-001	ND	1.04	1.04	1.00	mg/L	102	102	<1%
		Boron	EPA 200.7	1305401-001	0.032	1.04	1.05	1.00	mg/L	101	102	1 %
		Calcium	EPA 200.7	1305401-001	8.15	18.2	18.0	10.0	mg/L	100	98	1 %
		Cobalt	EPA 200.7	1305401-001	ND	0.992	1.00	1.00	mg/L	99	100	1 %
		Gallium	EPA 200.7	1305401-001	ND	0.927	0.935	1.00	mg/L	93	93	1 %
		Iron	EPA 200.7	1305401-001	1.34	2.42	2.41	1.00	mg/L	108	107	<1%
		Lithium	EPA 200.7	1305401-001	ND	0.903	0.909	1.00	mg/L	90	90	1 %
		Magnesium	EPA 200.7	1305401-001	0.485	10.3	10.3	10.0	mg/L	98	98	<1%
		Manganese	EPA 200.7	1305401-001	0.050	1.02	1.03	1.00	mg/L	97	98	1 %
		Molybdenum	EPA 200.7	1305401-001	0.006	1.02	1.02	1.00	mg/L	101	101	<1%
		Phosphorus	EPA 200.7	1305401-001	0.632	5.96	5.95	5.00	mg/L	107	106	<1%
		Potassium	EPA 200.7	1305401-001	3.45	13.7	13.7	10.0	mg/L	102	102	<1%
		Scandium	EPA 200.7	1305401-001	ND	0.992	0.993	1.00	mg/L	99	99	<1%
		Silicon	EPA 200.7	1305401-001	24.9	36.5	36.0	10.0	mg/L	116	111	1 %
		Sodium	EPA 200.7	1305401-001	169	178	174	10.0	mg/L	90	50	2 %
		Strontium	EPA 200.7	1305401-001	0.105	1.11	1.12	1.00	mg/L	101	102	1 %
		Tin	EPA 200.7	1305401-001	ND	1.03	1.03	1.00	mg/L	104	104	<1%
		Titanium	EPA 200.7	1305401-001	0.039	1.05	1.05	1.00	mg/L	101	101	<1%
		Vanadium	EPA 200.7	1305401-001	0.025	1.01	1.02	1.00	mg/L	99	100	1 %
		Zinc	EPA 200.7	1305401-001	0.036	1.12	1.13	1.00	mg/L	108	109	1 %
		Antimony	EPA 200.8	1305401-001	0.5077	0.5203	0.4951	0.010	mg/L	126	0	5 %
		Arsenic	EPA 200.8	1305401-001	2.6329	SC 2.7690	2.5909	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1305401-001	0.0010	0.0102	0.0101	0.010	mg/L	92	90	1 %
		Cadmium	EPA 200.8	1305401-001	ND	0.0099	0.0096	0.010	mg/L	95	92	3 %
		Chromium	EPA 200.8	1305401-001	0.0022	0.0128	0.0131	0.010	mg/L	106	109	2 %
		Copper	EPA 200.8	1305401-001	0.0119	0.0217	0.0218	0.010	mg/L	98	98	<1%
		Lead	EPA 200.8	1305401-001	0.3199	SC 0.3371	0.3140	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1305401-001	0.0028	0.0131	0.0129	0.010	mg/L	103	101	2 %
		Selenium	EPA 200.8	1305401-001	0.0095	0.0592	0.0592	0.050	mg/L	99	99	<1%
		Silver	EPA 200.8	1305401-001	ND	0.0080	0.0079	0.010	mg/L	72	71	1 %
		Thallium	EPA 200.8	1305401-001	ND	0.0096	0.0095	0.010	mg/L	96	95	1 %
		Uranium	EPA 200.8	1305401-001	0.0401	0.0504	0.0501	0.010	mg/L	103	100	1 %

6/17/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1306005

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 6/3/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1306005

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Total Kjeldahl Nitrogen on sample 1306005-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 6/17/2013

OrderID: 1306005

Customer Sample ID: 63301 4 June 13

Collect Date/Time: 6/3/2013 10:30

WETLAB Sample ID: 1306005-001

Receive Date: 6/3/2013 12:20

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	6/8/2013
Thiocyanate	SM 4500 CNM	0.37	mg/L	1	0.10	6/6/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.17	mg/L	1	0.050	6/6/2013
pH	SM 4500-H+ B	8.58 HT	pH Units	1		6/3/2013
Bicarbonate (HCO3)	SM 2320B	360	mg/L	1	1.0	6/3/2013
Carbonate (CO3)	SM 2320B	11	mg/L	1	1.0	6/3/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/3/2013
Total Alkalinity	SM 2320B	310	mg/L as CaCO3	1	1.0	6/3/2013
Redox Potential	SM 2580B	-55	mV	1		6/4/2013
Total Nitrogen	Calc.	2.1	mg/L	1	0.10	6/12/2013
Total Cyanide	SM 4500CNC	0.13	mg/L	1	0.010	6/5/2013
Total Dissolved Solids (TDS)	SM 2540C	490	mg/L	1	10	6/5/2013
WAD Cyanide	SM 4500CNI	0.010	mg/L	1	0.010	6/5/2013
Electrical Conductivity	SM 2510B	700	µmhos/cm	1	1	6/7/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	6/5/2013
Fluoride	EPA 300.0	0.89	mg/L	1	0.10	6/5/2013
Sulfate	EPA 300.0	75	mg/L	1	1.0	6/5/2013
Nitrate Nitrogen	EPA 300.0	0.82	mg/L	1	0.010	6/4/2013
Nitrite Nitrogen	EPA 300.0	0.16	mg/L	1	0.010	6/4/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	1.1 M	mg/L	1	0.10	6/12/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.1	mg/L	1	0.045	6/6/2013
Barium	EPA 200.7	0.029	mg/L	1	0.010	6/6/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/6/2013
Boron	EPA 200.7	0.028	mg/L	1	0.020	6/6/2013
Calcium	EPA 200.7	6.2	mg/L	1	0.500	6/6/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	6/6/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/6/2013
Iron	EPA 200.7	1.0	mg/L	1	0.010	6/6/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	6/6/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63301 4 June 13

Collect Date/Time: 6/3/2013 10:30

WETLAB Sample ID: 1306005-001

Receive Date: 6/3/2013 12:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Magnesium	EPA 200.7	0.42	mg/L	1	0.25	6/6/2013
Manganese	EPA 200.7	0.036	mg/L	1	0.0050	6/6/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/6/2013
Phosphorus	EPA 200.7	0.83	mg/L	1	0.50	6/6/2013
Potassium	EPA 200.7	3.5	mg/L	1	0.50	6/6/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	6/6/2013
Silicon	EPA 200.7	22	mg/L	1	0.10	6/6/2013
Sodium	EPA 200.7	160	mg/L	1	0.50	6/6/2013
Strontium	EPA 200.7	0.082	mg/L	1	0.0020	6/6/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/6/2013
Titanium	EPA 200.7	0.027	mg/L	1	0.0050	6/6/2013
Vanadium	EPA 200.7	0.026	mg/L	1	0.010	6/6/2013
Zinc	EPA 200.7	0.028	mg/L	1	0.010	6/6/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.47 SC	mg/L	10	0.0050	6/10/2013
Arsenic	EPA 200.8	2.6 SC	mg/L	10	0.030	6/10/2013
Beryllium	EPA 200.8	0.00042	mg/L	1	0.00035	6/6/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	6/6/2013
Chromium	EPA 200.8	0.0017	mg/L	1	0.0010	6/10/2013
Copper	EPA 200.8	0.0093	mg/L	1	0.0025	6/6/2013
Lead	EPA 200.8	0.23 SC	mg/L	10	0.020	6/10/2013
Nickel	EPA 200.8	0.0025	mg/L	1	0.0010	6/6/2013
Selenium	EPA 200.8	0.011	mg/L	1	0.0020	6/6/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	6/6/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	6/6/2013
Uranium	EPA 200.8	0.032	mg/L	1	0.00040	6/6/2013

Mercury by CVAA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	6/6/2013

Ion Balance

Anions	Calculation	7.93	meq/L	1	0.10	
Cations	Calculation	7.66	meq/L	1	0.10	
Error	Calculation	1.8	%	1	1.0	

Customer Sample ID: 63316 4 June 13

Collect Date/Time: 6/3/2013 10:30

WETLAB Sample ID: 1306005-002

Receive Date: 6/3/2013 12:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Cyanate	SM 4500 CNL	0.13	mg/L	1	0.050	6/8/2013
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	6/6/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	6/6/2013
pH	SM 4500-H+ B	8.71 HT	pH Units	1		6/3/2013
Bicarbonate (HCO3)	SM 2320B	280	mg/L	1	1.0	6/3/2013
Carbonate (CO3)	SM 2320B	15	mg/L	1	1.0	6/3/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/3/2013
Total Alkalinity	SM 2320B	260	mg/L as CaCO3	1	1.0	6/3/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 4 June 13

Collect Date/Time: 6/3/2013 10:30

WETLAB Sample ID: 1306005-002

Receive Date: 6/3/2013 12:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Redox Potential	SM 2580B	-57	mV	1		6/4/2013
Total Nitrogen	Calc.	0.56	mg/L	1	0.10	6/12/2013
Total Cyanide	SM 4500CNC	0.038	mg/L	1	0.010	6/5/2013
Total Dissolved Solids (TDS)	SM 2540C	450	mg/L	1	10	6/5/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	6/5/2013
Electrical Conductivity	SM 2510B	650	µmhos/cm	1	1	6/7/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.16	mg/L	1	0.10	6/5/2013
Fluoride	EPA 300.0	1.0	mg/L	1	0.10	6/5/2013
Sulfate	EPA 300.0	110	mg/L	1	1.0	6/5/2013
Nitrate Nitrogen	EPA 300.0	0.085	mg/L	1	0.010	6/4/2013
Nitrite Nitrogen	EPA 300.0	0.096	mg/L	1	0.010	6/4/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.38	mg/L	1	0.10	6/12/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.1	mg/L	1	0.045	6/6/2013
Barium	EPA 200.7	0.026	mg/L	1	0.010	6/6/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/6/2013
Boron	EPA 200.7	0.024	mg/L	1	0.020	6/6/2013
Calcium	EPA 200.7	5.4	mg/L	1	0.500	6/6/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	6/6/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/6/2013
Iron	EPA 200.7	1.3	mg/L	1	0.010	6/6/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	6/6/2013
Magnesium	EPA 200.7	0.31	mg/L	1	0.25	6/6/2013
Manganese	EPA 200.7	0.032	mg/L	1	0.0050	6/6/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/6/2013
Phosphorus	EPA 200.7	0.51	mg/L	1	0.10	6/6/2013
Potassium	EPA 200.7	2.9	mg/L	1	0.50	6/6/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	6/6/2013
Silicon	EPA 200.7	22	mg/L	1	0.10	6/6/2013
Sodium	EPA 200.7	140	mg/L	1	0.50	6/6/2013
Strontium	EPA 200.7	0.055	mg/L	1	0.0020	6/6/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/6/2013
Titanium	EPA 200.7	0.032	mg/L	1	0.0050	6/6/2013
Vanadium	EPA 200.7	0.032	mg/L	1	0.010	6/6/2013
Zinc	EPA 200.7	0.041	mg/L	1	0.010	6/6/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.46	mg/L	10	0.0050	6/10/2013
Arsenic	EPA 200.8	2.8	mg/L	10	0.030	6/10/2013
Beryllium	EPA 200.8	0.00042	mg/L	1	0.00035	6/6/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	6/6/2013
Chromium	EPA 200.8	0.0026	mg/L	1	0.0010	6/6/2013
Copper	EPA 200.8	ND	mg/L	1	0.0025	6/6/2013
Lead	EPA 200.8	0.24	mg/L	10	0.020	6/10/2013
Nickel	EPA 200.8	0.0033	mg/L	1	0.0010	6/6/2013
Selenium	EPA 200.8	0.010	mg/L	1	0.0020	6/6/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 4 June 13

Collect Date/Time: 6/3/2013 10:30

WETLAB Sample ID: 1306005-002

Receive Date: 6/3/2013 12:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Silver	EPA 200.8	ND	mg/L	1	0.0015	6/6/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	6/6/2013
Uranium	EPA 200.8	0.028	mg/L	1	0.00040	6/6/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	6/6/2013
<u>Ion Balance</u>						
Anions	Calculation	7.44	meq/L	1	0.10	
Cations	Calculation	6.74	meq/L	1	0.10	
Error	Calculation	5.0	%	1	1.0	

Customer Sample ID: 63322 4 June 13

Collect Date/Time: 6/3/2013 10:30

WETLAB Sample ID: 1306005-003

Receive Date: 6/3/2013 12:20

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	6/8/2013
Thiocyanate	SM 4500 CNM	0.98	mg/L	1	0.10	6/6/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.33	mg/L	1	0.050	6/6/2013
pH	SM 4500-H+ B	8.57 HT	pH Units	1		6/3/2013
Bicarbonate (HCO3)	SM 2320B	410	mg/L	1	1.0	6/3/2013
Carbonate (CO3)	SM 2320B	12	mg/L	1	1.0	6/3/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/3/2013
Total Alkalinity	SM 2320B	360	mg/L as CaCO3	1	1.0	6/3/2013
Redox Potential	SM 2580B	-206	mV	1		6/4/2013
Total Nitrogen	Calc.	2.8	mg/L	1	0.10	6/12/2013
Total Cyanide	SM 4500CNC	3.9	mg/L	50	0.50	6/5/2013
Total Dissolved Solids (TDS)	SM 2540C	460	mg/L	1	10	6/5/2013
WAD Cyanide	SM 4500CNI	3.7 SC	mg/L	50	0.50	6/5/2013
Electrical Conductivity	SM 2510B	720	µmhos/cm	1	1	6/7/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	0.10	mg/L	1	0.10	6/5/2013
Fluoride	EPA 300.0	0.59	mg/L	1	0.10	6/5/2013
Sulfate	EPA 300.0	33	mg/L	1	1.0	6/5/2013
Nitrate Nitrogen	EPA 300.0	0.089	mg/L	1	0.010	6/4/2013
Nitrite Nitrogen	EPA 300.0	0.14	mg/L	1	0.010	6/4/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	2.6	mg/L	1	0.10	6/12/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	1.1	mg/L	1	0.045	6/6/2013
Barium	EPA 200.7	0.018	mg/L	1	0.010	6/6/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/6/2013
Boron	EPA 200.7	0.039	mg/L	1	0.020	6/6/2013
Calcium	EPA 200.7	4.5	mg/L	1	0.500	6/6/2013
Cobalt	EPA 200.7	0.036	mg/L	1	0.0020	6/6/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/6/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 4 June 13

Collect Date/Time: 6/3/2013 10:30

WETLAB Sample ID: 1306005-003

Receive Date: 6/3/2013 12:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Iron	EPA 200.7	0.70	mg/L	1	0.010	6/6/2013
Lithium	EPA 200.7	0.037	mg/L	1	0.020	6/6/2013
Magnesium	EPA 200.7	0.47	mg/L	1	0.25	6/6/2013
Manganese	EPA 200.7	0.022	mg/L	1	0.0050	6/6/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/6/2013
Phosphorus	EPA 200.7	0.33	mg/L	1	0.10	6/6/2013
Potassium	EPA 200.7	2.8	mg/L	1	0.50	6/6/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	6/6/2013
Silicon	EPA 200.7	15	mg/L	1	0.10	6/6/2013
Sodium	EPA 200.7	160	mg/L	1	0.50	6/6/2013
Strontium	EPA 200.7	0.058	mg/L	1	0.0020	6/6/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/6/2013
Titanium	EPA 200.7	0.035	mg/L	1	0.0050	6/6/2013
Vanadium	EPA 200.7	0.012	mg/L	1	0.010	6/6/2013
Zinc	EPA 200.7	0.022	mg/L	1	0.010	6/6/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.21	mg/L	10	0.0050	6/10/2013
Arsenic	EPA 200.8	1.5	mg/L	10	0.030	6/10/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	6/6/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	6/6/2013
Chromium	EPA 200.8	0.0030	mg/L	1	0.0010	6/6/2013
Copper	EPA 200.8	3.1	mg/L	50	0.12	6/10/2013
Lead	EPA 200.8	0.17	mg/L	10	0.020	6/10/2013
Nickel	EPA 200.8	0.18	mg/L	10	0.010	6/10/2013
Selenium	EPA 200.8	0.0079	mg/L	1	0.0020	6/6/2013
Silver	EPA 200.8	0.036	mg/L	1	0.0015	6/6/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	6/6/2013
Uranium	EPA 200.8	0.043	mg/L	1	0.00040	6/6/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	0.00029	mg/L	1	0.00010	6/6/2013
<u>Ion Balance</u>						
Anions	Calculation	7.99	meq/L	1	0.10	
Cations	Calculation	7.53	meq/L	1	0.10	
Error	Calculation	2.9	%	1	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13060159	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060159	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060161	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13060161	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13060161	Blank 3	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13060182	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060182	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060182	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060183	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13060183	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13060198	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13060198	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13060199	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13060199	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13060199	Blank 3	Chloride	EPA 300.0	ND	mg/L
QC13060204	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13060204	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13060204	Blank 3	Sulfate	EPA 300.0	ND	mg/L
QC13060238	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13060238	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13060238	Blank 3	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13060240	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13060240	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13060241	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060241	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060241	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060244	Blank 1	Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L
QC13060245	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
QC13060301	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060301	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060301	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060329	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13060329	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L
QC13060348	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13060447	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13060447	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13060447	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13060112	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13060112	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13060112	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13060117	LCS 1	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13060117	LCS 2	Total Alkalinity	SM 2320B	98.4	100	98	mg/L
QC13060117	LCS 3	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC13060117	LCS 4	Total Alkalinity	SM 2320B	99.7	100	100	mg/L
QC13060159	LCS 1	Nitrite Nitrogen	EPA 300.0	0.525	0.500	105	mg/L
QC13060160	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC13060161	LCS 1	Nitrate Nitrogen	EPA 300.0	0.533	0.500	107	mg/L
QC13060182	LCS 1	WAD Cyanide	SM 4500CNI	0.095	0.100	95	mg/L
QC13060183	LCS 1	Total Cyanide	SM 4500CNC	0.083	0.100	83	mg/L
QC13060198	LCS 1	Fluoride	EPA 300.0	2.10	2.00	105	mg/L
QC13060199	LCS 1	Chloride	EPA 300.0	10.9	10.0	109	mg/L
QC13060204	LCS 1	Sulfate	EPA 300.0	27.0	25.0	108	mg/L
QC13060240	LCS 1	Mercury	EPA 245.1	0.004730	0.005	95	mg/L
QC13060241	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	1.05	1.00	105	mg/L
QC13060241	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.975	1.00	98	mg/L
QC13060244	LCS 1	Antimony	EPA 200.8	0.0092	0.010	92	mg/L
		Arsenic	EPA 200.8	0.0483	0.050	97	mg/L
		Beryllium	EPA 200.8	0.0096	0.010	96	mg/L
		Cadmium	EPA 200.8	0.0099	0.010	99	mg/L
		Chromium	EPA 200.8	0.0092	0.010	92	mg/L
		Copper	EPA 200.8	0.0104	0.010	104	mg/L
		Lead	EPA 200.8	0.0091	0.010	91	mg/L
		Nickel	EPA 200.8	0.0097	0.010	97	mg/L
		Selenium	EPA 200.8	0.0463	0.050	93	mg/L
		Silver	EPA 200.8	0.0093	0.010	93	mg/L

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 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13060245	LCS 1	Thallium	EPA 200.8	0.0091	0.010	91	mg/L
		Uranium	EPA 200.8	0.0089	0.010	89	mg/L
		Aluminum	EPA 200.7	1.01	1.00	101	mg/L
		Barium	EPA 200.7	0.997	1.00	100	mg/L
		Bismuth	EPA 200.7	1.01	1.00	101	mg/L
		Boron	EPA 200.7	0.971	1.00	97	mg/L
		Calcium	EPA 200.7	9.86	10.0	99	mg/L
		Cobalt	EPA 200.7	0.990	1.00	99	mg/L
		Gallium	EPA 200.7	0.980	1.00	98	mg/L
		Iron	EPA 200.7	0.976	1.00	98	mg/L
		Lithium	EPA 200.7	0.973	1.00	97	mg/L
		Magnesium	EPA 200.7	9.59	10.0	96	mg/L
		Manganese	EPA 200.7	0.985	1.00	98	mg/L
		Molybdenum	EPA 200.7	0.987	1.00	99	mg/L
		Phosphorus	EPA 200.7	4.98	5.00	100	mg/L
		Potassium	EPA 200.7	9.90	10.0	99	mg/L
		Scandium	EPA 200.7	0.973	1.00	97	mg/L
		Silicon	EPA 200.7	9.46	10.0	95	mg/L
		Sodium	EPA 200.7	9.83	10.0	98	mg/L
		Strontium	EPA 200.7	0.993	1.00	99	mg/L
		Tin	EPA 200.7	0.968	1.00	97	mg/L
		Titanium	EPA 200.7	0.974	1.00	97	mg/L
		Vanadium	EPA 200.7	0.988	1.00	99	mg/L
		Zinc	EPA 200.7	0.991	1.00	99	mg/L
QC13060301	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L
QC13060301	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	137	150	92	mg/L
QC13060301	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	151	150	100	mg/L
QC13060329	LCS 1	Cyanate	SM 4500 CNL	0.985	1.00	99	mg/L
QC13060348	LCS 1	Electrical Conductivity	SM 2510B	1385	1412	98	µmhos/cm
QC13060447	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.716	0.690	104	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13060112	Duplicate	pH	SM 4500-H+ B	1306005-001	8.58	8.57	HT	pH Units <1%
QC13060112	Duplicate	pH	SM 4500-H+ B	1306005-002	8.71	8.72	HT	pH Units <1%
QC13060112	Duplicate	pH	SM 4500-H+ B	1306005-003	8.57	8.58	HT	pH Units <1%
QC13060112	Duplicate	pH	SM 4500-H+ B	1306008-001	8.56	8.60	HT	pH Units <1%
QC13060112	Duplicate	pH	SM 4500-H+ B	1306008-002	8.04	8.10	HT	pH Units 1 %
QC13060117	Duplicate	Bicarbonate (HCO3)	SM 2320B	1306005-001	358	358		mg/L <1%
		Carbonate (CO3)	SM 2320B	1306005-001	11.3	11.1		mg/L 2 %
		Hydroxide (OH)	SM 2320B	1306005-001	ND	ND		mg/L <1%
		Total Alkalinity	SM 2320B	1306005-001	312	312		mg/L as CaCO3 <1%
QC13060117	Duplicate	Bicarbonate (HCO3)	SM 2320B	1306005-002	284	282		mg/L 1 %
		Carbonate (CO3)	SM 2320B	1306005-002	15.1	15.7		mg/L 4 %
		Hydroxide (OH)	SM 2320B	1306005-002	ND	ND		mg/L <1%
		Total Alkalinity	SM 2320B	1306005-002	258	258		mg/L as CaCO3 <1%
QC13060117	Duplicate	Bicarbonate (HCO3)	SM 2320B	1306005-003	414	413		mg/L <1%
		Carbonate (CO3)	SM 2320B	1306005-003	11.8	12.6		mg/L 7 %
		Hydroxide (OH)	SM 2320B	1306005-003	ND	ND		mg/L <1%

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13060117	Duplicate	Total Alkalinity	SM 2320B	1306005-003	359	359	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306008-001	102	99.0	mg/L	3 %
		Carbonate (CO3)	SM 2320B	1306008-001	5.83	6.81	mg/L	16 %
		Hydroxide (OH)	SM 2320B	1306008-001	ND	ND	mg/L	<1%
QC13060117	Duplicate	Total Alkalinity	SM 2320B	1306008-001	93.4	92.4	mg/L as CaCO3	1 %
		Bicarbonate (HCO3)	SM 2320B	1306008-002	42.7	42.7	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306008-002	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1306008-002	ND	ND	mg/L	<1%
QC13060117	Duplicate	Total Alkalinity	SM 2320B	1306008-002	35.0	35.0	mg/L as CaCO3	<1%
		Redox Potential	SM 2580B	1306007-001	ND	ND	mV	<1%
		Redox Potential	SM 2580B	1306007-012	86.6	91.0	mV	5 %
		Total Dissolved Solids (TDS)	SM 2540C	1305653-001	117	118	mg/L	1 %
QC13060301	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305665-006	502	520	mg/L	4 %
QC13060301	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305688-001	330	335	mg/L	2 %
QC13060301	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305688-009	575	571	mg/L	1 %
QC13060329	Duplicate	Cyanate	SM 4500 CNL	1306005-001	ND	ND	mg/L	<1%
QC13060348	Duplicate	Electrical Conductivity	SM 2510B	1306005-001	697	700	µmhos/cm	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13060159	MS 1	Nitrite Nitrogen	EPA 300.0	1306005-002	0.096	0.379	0.380	0.250	mg/L	113	113	<1%
QC13060161	MS 1	Nitrate Nitrogen	EPA 300.0	1306005-002	0.085	1.04	1.06	1.00	mg/L	96	98	2 %
QC13060161	MS 2	Nitrate Nitrogen	EPA 300.0	1306026-007		524	530	1.00	mg/L	105	106	1 %
QC13060182	MS 1	WAD Cyanide	SM 4500CNI	1305648-001	ND	0.095	0.095	0.100	mg/L	95	95	<1%
QC13060182	MS 2	WAD Cyanide	SM 4500CNI	1306005-003	3.70	SC 3.69	3.46	0.100	mg/L	NC	NC	NC
QC13060183	MS 1	Total Cyanide	SM 4500CNC	1306005-001	0.134	0.242	0.243	0.100	mg/L	108	110	<1%
QC13060198	MS 1	Fluoride	EPA 300.0	1306048-003	0.104	2.17	2.29	2.00	mg/L	103	110	5 %
QC13060199	MS 1	Chloride	EPA 300.0	1306048-003	ND	5.96	6.23	5.00	mg/L	118	123	4 %
QC13060199	MS 2	Chloride	EPA 300.0	1306066-006	81.8	142	141	5.00	mg/L	120	118	1 %
QC13060204	MS 1	Sulfate	EPA 300.0	1306048-003	20.2	31.6	32.2	10.0	mg/L	115	120	2 %
QC13060204	MS 2	Sulfate	EPA 300.0	1306007-001	14.0	M 26.1	26.7	10.0	mg/L	NC	NC	NC
QC13060238	MS 1	Thiocyanate	SM 4500 CN	1305669-001	30.3	113	116	1.00	mg/L	82	86	3 %
QC13060238	MS 2	Thiocyanate	SM 4500 CN	1306005-003	0.982	1.97	1.99	1.00	mg/L	98	101	1 %
QC13060240	MS 1	Mercury	EPA 245.1	1306005-001	ND	0.004730	0.004760	0.005	mg/L	94	95	1 %
QC13060241	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1306018-002	0.512	1.57	1.56	1.00	mg/L	106	105	1 %
QC13060241	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1306049-002	0.102	0.971	1.09	1.00	mg/L	87	99	12 %
QC13060244	MS 1	Antimony	EPA 200.8	1306005-001	0.4661	SC 0.4952	0.4753	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1306005-001	2.6193	SC 2.7583	2.6552	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1306005-001	0.0004	0.0099	0.0101	0.010	mg/L	95	97	2 %
		Cadmium	EPA 200.8	1306005-001	ND	0.0093	0.0093	0.010	mg/L	89	88	<1%
		Chromium	EPA 200.8	1306005-001	0.0017	0.0119	0.0121	0.010	mg/L	102	104	2 %
		Copper	EPA 200.8	1306005-001	0.0093	0.0172	0.0177	0.010	mg/L	79	84	3 %
		Lead	EPA 200.8	1306005-001	0.2319	SC 0.2457	0.2392	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1306005-001	0.0025	0.0117	0.0118	0.010	mg/L	93	93	1 %
		Selenium	EPA 200.8	1306005-001	0.0112	0.0519	0.0532	0.050	mg/L	82	84	2 %
		Silver	EPA 200.8	1306005-001	ND	0.0091	0.0093	0.010	mg/L	91	93	2 %
		Thallium	EPA 200.8	1306005-001	ND	0.0087	0.0087	0.010	mg/L	86	86	<1%
		Uranium	EPA 200.8	1306005-001	0.0322	0.0410	0.0397	0.010	mg/L	88	76	3 %

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13060245	MS 1	Aluminum	EPA 200.7	1306005-001	2.11	3.26	3.30	1.00	mg/L	115	119	1 %
		Barium	EPA 200.7	1306005-001	0.029	0.996	1.01	1.00	mg/L	97	98	1 %
		Bismuth	EPA 200.7	1306005-001	ND	1.01	1.02	1.00	mg/L	100	101	1 %
		Boron	EPA 200.7	1306005-001	0.028	1.02	1.04	1.00	mg/L	99	101	2 %
		Calcium	EPA 200.7	1306005-001	6.17	16.0	15.8	10.0	mg/L	98	96	1 %
		Cobalt	EPA 200.7	1306005-001	ND	0.966	0.979	1.00	mg/L	96	98	1 %
		Gallium	EPA 200.7	1306005-001	ND	0.899	0.897	1.00	mg/L	90	89	<1%
		Iron	EPA 200.7	1306005-001	0.999	2.09	2.09	1.00	mg/L	109	109	<1%
		Lithium	EPA 200.7	1306005-001	ND	0.928	0.925	1.00	mg/L	92	91	<1%
		Magnesium	EPA 200.7	1306005-001	0.418	10.1	10.1	10.0	mg/L	97	97	<1%
		Manganese	EPA 200.7	1306005-001	0.036	0.989	1.00	1.00	mg/L	95	96	1 %
		Molybdenum	EPA 200.7	1306005-001	ND	0.980	0.984	1.00	mg/L	98	98	<1%
		Phosphorus	EPA 200.7	1306005-001	0.833	5.90	5.96	5.00	mg/L	101	103	1 %
		Potassium	EPA 200.7	1306005-001	3.51	13.3	13.3	10.0	mg/L	98	98	<1%
		Scandium	EPA 200.7	1306005-001	ND	0.970	0.974	1.00	mg/L	97	97	<1%
		Silicon	EPA 200.7	1306005-001	21.6	33.0	32.6	10.0	mg/L	114	110	1 %
		Sodium	EPA 200.7	1306005-001	159	170	167	10.0	mg/L	110	80	2 %
		Strontium	EPA 200.7	1306005-001	0.082	1.06	1.06	1.00	mg/L	98	98	<1%
		Tin	EPA 200.7	1306005-001	ND	0.973	0.975	1.00	mg/L	98	98	<1%
		Titanium	EPA 200.7	1306005-001	0.027	1.01	1.01	1.00	mg/L	98	98	<1%
		Vanadium	EPA 200.7	1306005-001	0.026	0.996	1.01	1.00	mg/L	97	98	1 %
		Zinc	EPA 200.7	1306005-001	0.028	1.08	1.10	1.00	mg/L	105	107	2 %
QC13060447	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1305638-006	ND	M 0.832	0.809	0.690	mg/L	NC	NC	NC
QC13060447	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1306005-001	1.13	M 1.96	1.91	0.690	mg/L	NC	NC	NC

9/5/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1306005
Amended

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, online edition, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 6/3/2013. Additional comments are located on page 2 of this report.

This is an amended report that includes the reanalysis result for Copper on sample 1306005-002. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Smith', with a long horizontal flourish extending to the right.

Andy Smith
QA Manager

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1306005 Amended

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Total Kjeldahl Nitrogen on sample 1306005-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 9/5/2013

OrderID: 1306005

Amended

Customer Sample ID: 63301 4 June 13

Collect Date/Time: 6/3/2013 10:30

WETLAB Sample ID: 1306005-001

Receive Date: 6/3/2013 12:20

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	6/8/2013
Thiocyanate	SM 4500 CNM	0.37	mg/L	1	0.10	6/6/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.17	mg/L	1	0.050	6/6/2013
pH	SM 4500-H+ B	8.58 HT	pH Units	1		6/3/2013
Bicarbonate (HCO3)	SM 2320B	360	mg/L	1	1.0	6/3/2013
Carbonate (CO3)	SM 2320B	11	mg/L	1	1.0	6/3/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/3/2013
Total Alkalinity	SM 2320B	310	mg/L as CaCO3	1	1.0	6/3/2013
Redox Potential	SM 2580B	-55	mV	1		6/4/2013
Total Nitrogen	Calc.	2.1	mg/L	1	0.10	6/12/2013
Total Cyanide	SM 4500CNC	0.13	mg/L	1	0.010	6/5/2013
Total Dissolved Solids (TDS)	SM 2540C	490	mg/L	1	10	6/5/2013
WAD Cyanide	SM 4500CNI	0.010	mg/L	1	0.010	6/5/2013
Electrical Conductivity	SM 2510B	700	µmhos/cm	1	1	6/7/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	6/5/2013
Fluoride	EPA 300.0	0.89	mg/L	1	0.10	6/5/2013
Sulfate	EPA 300.0	75	mg/L	1	1.0	6/5/2013
Nitrate Nitrogen	EPA 300.0	0.82	mg/L	1	0.010	6/4/2013
Nitrite Nitrogen	EPA 300.0	0.16	mg/L	1	0.010	6/4/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	1.1 M	mg/L	1	0.10	6/12/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.1	mg/L	1	0.045	6/6/2013
Barium	EPA 200.7	0.029	mg/L	1	0.010	6/6/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/6/2013
Boron	EPA 200.7	0.028	mg/L	1	0.020	6/6/2013
Calcium	EPA 200.7	6.2	mg/L	1	0.500	6/6/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	6/6/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/6/2013
Iron	EPA 200.7	1.0	mg/L	1	0.010	6/6/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	6/6/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63301 4 June 13

Collect Date/Time: 6/3/2013 10:30

WETLAB Sample ID: 1306005-001

Receive Date: 6/3/2013 12:20

Analyte	Method	Results	Units	DF	RL	Analyzed
Magnesium	EPA 200.7	0.42	mg/L	1	0.25	6/6/2013
Manganese	EPA 200.7	0.036	mg/L	1	0.0050	6/6/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/6/2013
Phosphorus	EPA 200.7	0.83	mg/L	1	0.50	6/6/2013
Potassium	EPA 200.7	3.5	mg/L	1	0.50	6/6/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	6/6/2013
Silicon	EPA 200.7	22	mg/L	1	0.10	6/6/2013
Sodium	EPA 200.7	160	mg/L	1	0.50	6/6/2013
Strontium	EPA 200.7	0.082	mg/L	1	0.0020	6/6/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/6/2013
Titanium	EPA 200.7	0.027	mg/L	1	0.0050	6/6/2013
Vanadium	EPA 200.7	0.026	mg/L	1	0.010	6/6/2013
Zinc	EPA 200.7	0.028	mg/L	1	0.010	6/6/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.47 SC	mg/L	10	0.0050	6/10/2013
Arsenic	EPA 200.8	2.6 SC	mg/L	10	0.030	6/10/2013
Beryllium	EPA 200.8	0.00042	mg/L	1	0.00035	6/6/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	6/6/2013
Chromium	EPA 200.8	0.0017	mg/L	1	0.0010	6/10/2013
Copper	EPA 200.8	0.0093	mg/L	1	0.0025	6/6/2013
Lead	EPA 200.8	0.23 SC	mg/L	10	0.020	6/10/2013
Nickel	EPA 200.8	0.0025	mg/L	1	0.0010	6/6/2013
Selenium	EPA 200.8	0.011	mg/L	1	0.0020	6/6/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	6/6/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	6/6/2013
Uranium	EPA 200.8	0.032	mg/L	1	0.00040	6/6/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	6/6/2013
<u>Ion Balance</u>						
Anions	Calculation	7.93	meq/L	1	0.10	
Cations	Calculation	7.69	meq/L	1	0.10	
Error	Calculation	1.5	%	1	1.0	

Customer Sample ID: 63316 4 June 13

Collect Date/Time: 6/3/2013 10:30

WETLAB Sample ID: 1306005-002

Receive Date: 6/3/2013 12:20

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	0.13	mg/L	1	0.050	6/8/2013
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	6/6/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	6/6/2013
pH	SM 4500-H+ B	8.71 HT	pH Units	1		6/3/2013
Bicarbonate (HCO3)	SM 2320B	280	mg/L	1	1.0	6/3/2013
Carbonate (CO3)	SM 2320B	15	mg/L	1	1.0	6/3/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/3/2013
Total Alkalinity	SM 2320B	260	mg/L as CaCO3	1	1.0	6/3/2013
Redox Potential	SM 2580B	-57	mV	1		6/4/2013
Total Nitrogen	Calc.	0.56	mg/L	1	0.10	6/12/2013
Total Cyanide	SM 4500CNC	0.038	mg/L	1	0.010	6/5/2013
Total Dissolved Solids (TDS)	SM 2540C	450	mg/L	1	10	6/5/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	6/5/2013
Electrical Conductivity	SM 2510B	650	µmhos/cm	1	1	6/7/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.16	mg/L	1	0.10	6/5/2013
Fluoride	EPA 300.0	1.0	mg/L	1	0.10	6/5/2013
Sulfate	EPA 300.0	110	mg/L	1	1.0	6/5/2013
Nitrate Nitrogen	EPA 300.0	0.085	mg/L	1	0.010	6/4/2013
Nitrite Nitrogen	EPA 300.0	0.096	mg/L	1	0.010	6/4/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.38	mg/L	1	0.10	6/12/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.1	mg/L	1	0.045	6/6/2013
Barium	EPA 200.7	0.026	mg/L	1	0.010	6/6/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/6/2013
Boron	EPA 200.7	0.024	mg/L	1	0.020	6/6/2013
Calcium	EPA 200.7	5.4	mg/L	1	0.500	6/6/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	6/6/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/6/2013
Iron	EPA 200.7	1.3	mg/L	1	0.010	6/6/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	6/6/2013
Magnesium	EPA 200.7	0.31	mg/L	1	0.25	6/6/2013
Manganese	EPA 200.7	0.032	mg/L	1	0.0050	6/6/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/6/2013
Phosphorus	EPA 200.7	0.51	mg/L	1	0.10	6/6/2013
Potassium	EPA 200.7	2.9	mg/L	1	0.50	6/6/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	6/6/2013
Silicon	EPA 200.7	22	mg/L	1	0.10	6/6/2013
Sodium	EPA 200.7	140	mg/L	1	0.50	6/6/2013
Strontium	EPA 200.7	0.055	mg/L	1	0.0020	6/6/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/6/2013
Titanium	EPA 200.7	0.032	mg/L	1	0.0050	6/6/2013
Vanadium	EPA 200.7	0.032	mg/L	1	0.010	6/6/2013
Zinc	EPA 200.7	0.041	mg/L	1	0.010	6/6/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 4 June 13

Collect Date/Time: 6/3/2013 10:30

WETLAB Sample ID: 1306005-002

Receive Date: 6/3/2013 12:20

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.46	mg/L	10	0.0050	6/10/2013
Arsenic	EPA 200.8	2.8	mg/L	10	0.030	6/10/2013
Beryllium	EPA 200.8	0.00042	mg/L	1	0.00035	6/6/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	6/6/2013
Chromium	EPA 200.8	0.0026	mg/L	1	0.0010	6/6/2013
Copper	EPA 200.8	0.023	mg/L	1	0.0025	9/4/2013
Lead	EPA 200.8	0.24	mg/L	10	0.020	6/10/2013
Nickel	EPA 200.8	0.0033	mg/L	1	0.0010	6/6/2013
Selenium	EPA 200.8	0.010	mg/L	1	0.0020	6/6/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	6/6/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	6/6/2013
Uranium	EPA 200.8	0.028	mg/L	1	0.00040	6/6/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	6/6/2013
<u>Ion Balance</u>						
Anions	Calculation	7.44	meq/L	1	0.10	
Cations	Calculation	6.76	meq/L	1	0.10	
Error	Calculation	4.8	%	1	1.0	

Customer Sample ID: 63322 4 June 13

Collect Date/Time: 6/3/2013 10:30

WETLAB Sample ID: 1306005-003

Receive Date: 6/3/2013 12:20

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	6/8/2013
Thiocyanate	SM 4500 CNM	0.98	mg/L	1	0.10	6/6/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.33	mg/L	1	0.050	6/6/2013
pH	SM 4500-H+ B	8.57 HT	pH Units	1		6/3/2013
Bicarbonate (HCO3)	SM 2320B	410	mg/L	1	1.0	6/3/2013
Carbonate (CO3)	SM 2320B	12	mg/L	1	1.0	6/3/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/3/2013
Total Alkalinity	SM 2320B	360	mg/L as CaCO3	1	1.0	6/3/2013
Redox Potential	SM 2580B	-206	mV	1		6/4/2013
Total Nitrogen	Calc.	2.8	mg/L	1	0.10	6/12/2013
Total Cyanide	SM 4500CNC	3.9	mg/L	50	0.50	6/5/2013
Total Dissolved Solids (TDS)	SM 2540C	460	mg/L	1	10	6/5/2013
WAD Cyanide	SM 4500CNI	3.7 SC	mg/L	50	0.50	6/5/2013
Electrical Conductivity	SM 2510B	720	µmhos/cm	1	1	6/7/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.10	mg/L	1	0.10	6/5/2013
Fluoride	EPA 300.0	0.59	mg/L	1	0.10	6/5/2013
Sulfate	EPA 300.0	33	mg/L	1	1.0	6/5/2013
Nitrate Nitrogen	EPA 300.0	0.089	mg/L	1	0.010	6/4/2013
Nitrite Nitrogen	EPA 300.0	0.14	mg/L	1	0.010	6/4/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	2.6	mg/L	1	0.10	6/12/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	1.1	mg/L	1	0.045	6/6/2013
Barium	EPA 200.7	0.018	mg/L	1	0.010	6/6/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/6/2013
Boron	EPA 200.7	0.039	mg/L	1	0.020	6/6/2013
Calcium	EPA 200.7	4.5	mg/L	1	0.500	6/6/2013
Cobalt	EPA 200.7	0.036	mg/L	1	0.0020	6/6/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/6/2013
Iron	EPA 200.7	0.70	mg/L	1	0.010	6/6/2013
Lithium	EPA 200.7	0.037	mg/L	1	0.020	6/6/2013
Magnesium	EPA 200.7	0.47	mg/L	1	0.25	6/6/2013
Manganese	EPA 200.7	0.022	mg/L	1	0.0050	6/6/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/6/2013
Phosphorus	EPA 200.7	0.33	mg/L	1	0.10	6/6/2013
Potassium	EPA 200.7	2.8	mg/L	1	0.50	6/6/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	6/6/2013
Silicon	EPA 200.7	15	mg/L	1	0.10	6/6/2013
Sodium	EPA 200.7	160	mg/L	1	0.50	6/6/2013
Strontium	EPA 200.7	0.058	mg/L	1	0.0020	6/6/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/6/2013
Titanium	EPA 200.7	0.035	mg/L	1	0.0050	6/6/2013
Vanadium	EPA 200.7	0.012	mg/L	1	0.010	6/6/2013
Zinc	EPA 200.7	0.022	mg/L	1	0.010	6/6/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63322 4 June 13

Collect Date/Time: 6/3/2013 10:30

WETLAB Sample ID: 1306005-003

Receive Date: 6/3/2013 12:20

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.21	mg/L	10	0.0050	6/10/2013
Arsenic	EPA 200.8	1.5	mg/L	10	0.030	6/10/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	6/6/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	6/6/2013
Chromium	EPA 200.8	0.0030	mg/L	1	0.0010	6/6/2013
Copper	EPA 200.8	3.1	mg/L	50	0.12	6/10/2013
Lead	EPA 200.8	0.17	mg/L	10	0.020	6/10/2013
Nickel	EPA 200.8	0.18	mg/L	10	0.010	6/10/2013
Selenium	EPA 200.8	0.0079	mg/L	1	0.0020	6/6/2013
Silver	EPA 200.8	0.036	mg/L	1	0.0015	6/6/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	6/6/2013
Uranium	EPA 200.8	0.043	mg/L	1	0.00040	6/6/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	0.00029	mg/L	1	0.00010	6/6/2013
<u>Ion Balance</u>						
Anions	Calculation	7.99	meq/L	1	0.10	
Cations	Calculation	7.57	meq/L	1	0.10	
Error	Calculation	2.7	%	1	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13060159	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060159	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060161	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13060161	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13060161	Blank 3	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13060182	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060182	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060182	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060183	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13060183	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13060198	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13060198	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13060199	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13060199	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13060199	Blank 3	Chloride	EPA 300.0	ND	mg/L
QC13060204	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13060204	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13060204	Blank 3	Sulfate	EPA 300.0	ND	mg/L
QC13060238	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13060238	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13060238	Blank 3	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13060240	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13060240	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13060241	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060241	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060241	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060244	Blank 1	Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L
QC13060245	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L

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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
QC13060301	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060301	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060301	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060329	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13060329	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L
QC13060348	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13060447	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13060447	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13060447	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13060112	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13060112	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13060112	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13060117	LCS 1	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13060117	LCS 2	Total Alkalinity	SM 2320B	98.4	100	98	mg/L
QC13060117	LCS 3	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC13060117	LCS 4	Total Alkalinity	SM 2320B	99.7	100	100	mg/L
QC13060159	LCS 1	Nitrite Nitrogen	EPA 300.0	0.525	0.500	105	mg/L
QC13060160	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC13060161	LCS 1	Nitrate Nitrogen	EPA 300.0	0.533	0.500	107	mg/L
QC13060182	LCS 1	WAD Cyanide	SM 4500CNI	0.095	0.100	95	mg/L
QC13060183	LCS 1	Total Cyanide	SM 4500CNC	0.083	0.100	83	mg/L
QC13060198	LCS 1	Fluoride	EPA 300.0	2.10	2.00	105	mg/L
QC13060199	LCS 1	Chloride	EPA 300.0	10.9	10.0	109	mg/L
QC13060204	LCS 1	Sulfate	EPA 300.0	27.0	25.0	108	mg/L
QC13060240	LCS 1	Mercury	EPA 245.1	0.004730	0.005	95	mg/L
QC13060241	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	1.05	1.00	105	mg/L
QC13060241	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.975	1.00	98	mg/L
QC13060244	LCS 1	Antimony	EPA 200.8	0.0092	0.010	92	mg/L
		Arsenic	EPA 200.8	0.0483	0.050	97	mg/L
		Beryllium	EPA 200.8	0.0096	0.010	96	mg/L
		Cadmium	EPA 200.8	0.0099	0.010	99	mg/L
		Chromium	EPA 200.8	0.0092	0.010	92	mg/L
		Copper	EPA 200.8	0.0104	0.010	104	mg/L
		Lead	EPA 200.8	0.0091	0.010	91	mg/L
		Nickel	EPA 200.8	0.0097	0.010	97	mg/L
		Selenium	EPA 200.8	0.0463	0.050	93	mg/L
		Silver	EPA 200.8	0.0093	0.010	93	mg/L
		Thallium	EPA 200.8	0.0091	0.010	91	mg/L
		Uranium	EPA 200.8	0.0089	0.010	89	mg/L

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 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13060245	LCS 1	Aluminum	EPA 200.7	1.01	1.00	101	mg/L
		Barium	EPA 200.7	0.997	1.00	100	mg/L
		Bismuth	EPA 200.7	1.01	1.00	101	mg/L
		Boron	EPA 200.7	0.971	1.00	97	mg/L
		Calcium	EPA 200.7	9.86	10.0	99	mg/L
		Cobalt	EPA 200.7	0.990	1.00	99	mg/L
		Gallium	EPA 200.7	0.980	1.00	98	mg/L
		Iron	EPA 200.7	0.976	1.00	98	mg/L
		Lithium	EPA 200.7	0.973	1.00	97	mg/L
		Magnesium	EPA 200.7	9.59	10.0	96	mg/L
		Manganese	EPA 200.7	0.985	1.00	98	mg/L
		Molybdenum	EPA 200.7	0.987	1.00	99	mg/L
		Phosphorus	EPA 200.7	4.98	5.00	100	mg/L
		Potassium	EPA 200.7	9.90	10.0	99	mg/L
		Scandium	EPA 200.7	0.973	1.00	97	mg/L
		Silicon	EPA 200.7	9.46	10.0	95	mg/L
		Sodium	EPA 200.7	9.83	10.0	98	mg/L
		Strontium	EPA 200.7	0.993	1.00	99	mg/L
		Tin	EPA 200.7	0.968	1.00	97	mg/L
		Titanium	EPA 200.7	0.974	1.00	97	mg/L
		Vanadium	EPA 200.7	0.988	1.00	99	mg/L
		Zinc	EPA 200.7	0.991	1.00	99	mg/L
QC13060301	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L
QC13060301	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	137	150	92	mg/L
QC13060301	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	151	150	100	mg/L
QC13060329	LCS 1	Cyanate	SM 4500 CNL	0.985	1.00	99	mg/L
QC13060348	LCS 1	Electrical Conductivity	SM 2510B	1385	1412	98	µmhos/cm
QC13060447	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.716	0.690	104	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13060112	Duplicate	pH	SM 4500-H+ B	1306005-001	8.58	8.57	HT pH Units	<1%
QC13060112	Duplicate	pH	SM 4500-H+ B	1306005-002	8.71	8.72	HT pH Units	<1%
QC13060112	Duplicate	pH	SM 4500-H+ B	1306005-003	8.57	8.58	HT pH Units	<1%
QC13060112	Duplicate	pH	SM 4500-H+ B	1306008-001	8.56	8.60	HT pH Units	<1%
QC13060112	Duplicate	pH	SM 4500-H+ B	1306008-002	8.04	8.10	HT pH Units	1 %
QC13060117	Duplicate	Bicarbonate (HCO3)	SM 2320B	1306005-001	358	358	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306005-001	11.3	11.1	mg/L	2 %
		Hydroxide (OH)	SM 2320B	1306005-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306005-001	312	312	mg/L as CaCO3	<1%
QC13060117	Duplicate	Bicarbonate (HCO3)	SM 2320B	1306005-002	284	282	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1306005-002	15.1	15.7	mg/L	4 %
		Hydroxide (OH)	SM 2320B	1306005-002	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306005-002	258	258	mg/L as CaCO3	<1%
QC13060117	Duplicate	Bicarbonate (HCO3)	SM 2320B	1306005-003	414	413	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306005-003	11.8	12.6	mg/L	7 %
		Hydroxide (OH)	SM 2320B	1306005-003	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306005-003	359	359	mg/L as CaCO3	<1%

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QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13060117	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1306008-001	102	99.0	mg/L	3 %
		Carbonate (CO ₃)	SM 2320B	1306008-001	5.83	6.81	mg/L	16 %
		Hydroxide (OH)	SM 2320B	1306008-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306008-001	93.4	92.4	mg/L as CaCO ₃	1 %
QC13060117	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1306008-002	42.7	42.7	mg/L	<1%
		Carbonate (CO ₃)	SM 2320B	1306008-002	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1306008-002	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306008-002	35.0	35.0	mg/L as CaCO ₃	<1%
QC13060160	Duplicate	Redox Potential	SM 2580B	1306007-001	ND	ND	mV	<1%
QC13060160	Duplicate	Redox Potential	SM 2580B	1306007-012	86.6	91.0	mV	5 %
QC13060301	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305653-001	117	118	mg/L	1 %
QC13060301	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305665-006	502	520	mg/L	4 %
QC13060301	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305688-001	330	335	mg/L	2 %
QC13060301	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1305688-009	575	571	mg/L	1 %
QC13060329	Duplicate	Cyanate	SM 4500 CNL	1306005-001	ND	ND	mg/L	<1%
QC13060348	Duplicate	Electrical Conductivity	SM 2510B	1306005-001	697	700	µmhos/cm	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13060159	MS 1	Nitrite Nitrogen	EPA 300.0	1306005-002	0.096	0.379	0.380	0.250	mg/L	113	113	<1%
QC13060161	MS 1	Nitrate Nitrogen	EPA 300.0	1306005-002	0.085	1.04	1.06	1.00	mg/L	96	98	2 %
QC13060161	MS 2	Nitrate Nitrogen	EPA 300.0	1306026-007		524	530	1.00	mg/L	105	106	1 %
QC13060182	MS 1	WAD Cyanide	SM 4500CNI	1305648-001	ND	0.095	0.095	0.100	mg/L	95	95	<1%
QC13060182	MS 2	WAD Cyanide	SM 4500CNI	1306005-003	3.70	SC 3.69	3.46	0.100	mg/L	NC	NC	NC
QC13060183	MS 1	Total Cyanide	SM 4500CNC	1306005-001	0.134	0.242	0.243	0.100	mg/L	108	110	<1%
QC13060198	MS 1	Fluoride	EPA 300.0	1306048-003	0.104	2.17	2.29	2.00	mg/L	103	110	5 %
QC13060199	MS 1	Chloride	EPA 300.0	1306048-003	ND	5.96	6.23	5.00	mg/L	118	123	4 %
QC13060199	MS 2	Chloride	EPA 300.0	1306066-006	81.8	142	141	5.00	mg/L	120	118	1 %
QC13060204	MS 1	Sulfate	EPA 300.0	1306048-003	20.2	31.6	32.2	10.0	mg/L	115	120	2 %
QC13060204	MS 2	Sulfate	EPA 300.0	1306007-001	14.0	M 26.1	26.7	10.0	mg/L	NC	NC	NC
QC13060238	MS 1	Thiocyanate	SM 4500 CN	1305669-001	30.3	113	116	1.00	mg/L	82	86	3 %
QC13060238	MS 2	Thiocyanate	SM 4500 CN	1306005-003	0.982	1.97	1.99	1.00	mg/L	98	101	1 %
QC13060240	MS 1	Mercury	EPA 245.1	1306005-001	ND	0.004730	0.004760	0.005	mg/L	94	95	1 %
QC13060241	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1306018-002	0.512	1.57	1.56	1.00	mg/L	106	105	1 %
QC13060241	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1306049-002	0.102	0.971	1.09	1.00	mg/L	87	99	12 %
QC13060244	MS 1	Antimony	EPA 200.8	1306005-001	0.4661	SC 0.4952	0.4753	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1306005-001	2.6193	SC 2.7583	2.6552	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1306005-001	0.0004	0.0099	0.0101	0.010	mg/L	95	97	2 %
		Cadmium	EPA 200.8	1306005-001	ND	0.0093	0.0093	0.010	mg/L	89	88	<1%
		Chromium	EPA 200.8	1306005-001	0.0017	0.0119	0.0121	0.010	mg/L	102	104	2 %
		Copper	EPA 200.8	1306005-001	0.0093	0.0172	0.0177	0.010	mg/L	79	84	3 %
		Lead	EPA 200.8	1306005-001	0.2319	SC 0.2457	0.2392	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1306005-001	0.0025	0.0117	0.0118	0.010	mg/L	93	93	1 %
		Selenium	EPA 200.8	1306005-001	0.0112	0.0519	0.0532	0.050	mg/L	82	84	2 %
		Silver	EPA 200.8	1306005-001	ND	0.0091	0.0093	0.010	mg/L	91	93	2 %
		Thallium	EPA 200.8	1306005-001	ND	0.0087	0.0087	0.010	mg/L	86	86	<1%
		Uranium	EPA 200.8	1306005-001	0.0322	0.0410	0.0397	0.010	mg/L	88	76	3 %
QC13060245	MS 1	Aluminum	EPA 200.7	1306005-001	2.11	3.26	3.30	1.00	mg/L	115	119	1 %

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Barium	EPA 200.7	1306005-001	0.029	0.996	1.01	1.00	mg/L	97	98	1 %
		Bismuth	EPA 200.7	1306005-001	ND	1.01	1.02	1.00	mg/L	100	101	1 %
		Boron	EPA 200.7	1306005-001	0.028	1.02	1.04	1.00	mg/L	99	101	2 %
		Calcium	EPA 200.7	1306005-001	6.17	16.0	15.8	10.0	mg/L	98	96	1 %
		Cobalt	EPA 200.7	1306005-001	ND	0.966	0.979	1.00	mg/L	96	98	1 %
		Gallium	EPA 200.7	1306005-001	ND	0.899	0.897	1.00	mg/L	90	89	<1%
		Iron	EPA 200.7	1306005-001	0.999	2.09	2.09	1.00	mg/L	109	109	<1%
		Lithium	EPA 200.7	1306005-001	ND	0.928	0.925	1.00	mg/L	92	91	<1%
		Magnesium	EPA 200.7	1306005-001	0.418	10.1	10.1	10.0	mg/L	97	97	<1%
		Manganese	EPA 200.7	1306005-001	0.036	0.989	1.00	1.00	mg/L	95	96	1 %
		Molybdenum	EPA 200.7	1306005-001	ND	0.980	0.984	1.00	mg/L	98	98	<1%
		Phosphorus	EPA 200.7	1306005-001	0.833	5.90	5.96	5.00	mg/L	101	103	1 %
		Potassium	EPA 200.7	1306005-001	3.51	13.3	13.3	10.0	mg/L	98	98	<1%
		Scandium	EPA 200.7	1306005-001	ND	0.970	0.974	1.00	mg/L	97	97	<1%
		Silicon	EPA 200.7	1306005-001	21.6	33.0	32.6	10.0	mg/L	114	110	1 %
		Sodium	EPA 200.7	1306005-001	159	170	167	10.0	mg/L	110	80	2 %
		Strontium	EPA 200.7	1306005-001	0.082	1.06	1.06	1.00	mg/L	98	98	<1%
		Tin	EPA 200.7	1306005-001	ND	0.973	0.975	1.00	mg/L	98	98	<1%
		Titanium	EPA 200.7	1306005-001	0.027	1.01	1.01	1.00	mg/L	98	98	<1%
		Vanadium	EPA 200.7	1306005-001	0.026	0.996	1.01	1.00	mg/L	97	98	1 %
		Zinc	EPA 200.7	1306005-001	0.028	1.08	1.10	1.00	mg/L	105	107	2 %
QC13060447	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1305638-006	ND	M 0.832	0.809	0.690	mg/L	NC	NC	NC
QC13060447	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1306005-001	1.13	M 1.96	1.91	0.690	mg/L	NC	NC	NC

8/1/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1306373

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 6/17/2013. Additional comments are located on page 2 of this report.

This is an amended report that includes the re-analysis data for Total Cyanide and WAD Cyanide on sample 1306373-003. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1306373

General Comments

None

Specific Comments

The analysis of the laboratory method blank revealed concentrations of Silicon above the reporting limit during the analysis of sampleS 1306373-001 thru 003. We apologize for any inconvenience this may have caused.

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Cadmium, Copper, Selenium, Thallium and Aluminum on sample 1306373-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1306373-001 and 002 Beryllium, Cadmium, Chromium, Copper, Mercury, Nickel, Selenium, Silver and Thallium

1306373-003 Beryllium, Cadmium, Mercury, Selenium and Thallium

The reporting limits have been adjusted accordingly.

Due to re-analysis for Total Cyanide and WAD Cyanide on sample 1306373-003 the analysis was performed passed the EPA recommended holding time. We apologize for any inconvenience this may have caused.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: 42790 / Eagle Gold

Date Printed: 8/1/2013

OrderID: 1306373

Customer Sample ID: 63301 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-001

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	ND	mg/L	1	0.10	6/21/2013
Thiocyanate	SM 4500 CNM	0.13	mg/L	1	0.10	6/20/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.056	mg/L	1	0.050	6/19/2013
pH	SM 4500-H+ B	8.62 HT	pH Units	1		6/17/2013
Bicarbonate (HCO3)	SM 2320B	370	mg/L	1	1.0	6/17/2013
Carbonate (CO3)	SM 2320B	13	mg/L	1	1.0	6/17/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/17/2013
Total Alkalinity	SM 2320B	320	mg/L as CaCO3	1	1.0	6/17/2013
Redox Potential	SM 2580B	-141	mV	1		6/18/2013
Total Nitrogen	Calc.	2.7	mg/L	1	0.10	6/20/2013
Total Cyanide	SM 4500CNC	0.18	mg/L	1	0.010	6/19/2013
Total Dissolved Solids (TDS)	SM 2540C	540	mg/L	1	10	6/18/2013
WAD Cyanide	SM 4500CNI	0.026	mg/L	1	0.010	6/19/2013
Electrical Conductivity	SM 2510B	760	µmhos/cm	1	1	6/21/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.12	mg/L	1	0.10	6/18/2013
Fluoride	EPA 300.0	0.77	mg/L	1	0.10	6/18/2013
Sulfate	EPA 300.0	88	mg/L	1	1.0	6/18/2013
Nitrate Nitrogen	EPA 300.0	1.7	mg/L	10	0.10	6/18/2013
Nitrite Nitrogen	EPA 300.0	0.22	mg/L	1	0.010	6/18/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.76	mg/L	1	0.10	6/20/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	3.0 M	mg/L	1	0.045	6/21/2013
Barium	EPA 200.7	0.040	mg/L	1	0.010	6/21/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/21/2013
Boron	EPA 200.7	0.028	mg/L	1	0.020	6/21/2013
Calcium	EPA 200.7	8.5	mg/L	1	0.500	6/21/2013
Cobalt	EPA 200.7	0.0022	mg/L	1	0.0020	6/21/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/21/2013
Iron	EPA 200.7	1.3	mg/L	1	0.010	6/21/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	6/24/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63301 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-001

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
Magnesium	EPA 200.7	0.49	mg/L	1	0.25	6/21/2013
Manganese	EPA 200.7	0.051	mg/L	1	0.0050	6/21/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/21/2013
Phosphorus	EPA 200.7	0.68	mg/L	1	0.50	6/21/2013
Potassium	EPA 200.7	3.9	mg/L	1	0.50	6/21/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	6/21/2013
Silicon	EPA 200.7	26 B	mg/L	1	0.10	6/21/2013
Sodium	EPA 200.7	160 SC	mg/L	1	0.50	6/21/2013
Strontium	EPA 200.7	0.11	mg/L	1	0.10	6/21/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/21/2013
Titanium	EPA 200.7	0.036	mg/L	1	0.0050	6/21/2013
Vanadium	EPA 200.7	0.018	mg/L	1	0.010	6/21/2013
Zinc	EPA 200.7	0.032	mg/L	1	0.010	6/21/2013

Trace Metals by ICP-MS

Mercury	EPA 200.8	ND	mg/L	10	0.0010	6/24/2013
Antimony	EPA 200.8	0.43 SC	mg/L	10	0.0050	6/24/2013
Arsenic	EPA 200.8	2.3 SC	mg/L	10	0.030	6/24/2013
Beryllium	EPA 200.8	ND	mg/L	10	0.0035	6/24/2013
Cadmium	EPA 200.8	ND M	mg/L	10	0.0090	6/24/2013
Chromium	EPA 200.8	ND	mg/L	10	0.010	6/24/2013
Copper	EPA 200.8	ND M	mg/L	10	0.025	6/24/2013
Lead	EPA 200.8	0.33 SC	mg/L	10	0.020	6/24/2013
Nickel	EPA 200.8	ND	mg/L	10	0.010	6/24/2013
Selenium	EPA 200.8	ND M	mg/L	10	0.020	6/24/2013
Silver	EPA 200.8	ND	mg/L	10	0.015	6/24/2013
Thallium	EPA 200.8	ND M	mg/L	10	0.0040	6/24/2013
Uranium	EPA 200.8	0.034	mg/L	10	0.0040	6/24/2013

Mercury by CVAA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	6/20/2013

Ion Balance

Anions	Calculation	8.50	meq/L	1	0.10	
Cations	Calculation	7.89	meq/L	1	0.10	
Error	Calculation	3.7	%	1	1.0	

Customer Sample ID: 63316 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-002

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	6/20/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.10	6/21/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	6/19/2013
pH	SM 4500-H+ B	8.72 HT	pH Units	1		6/17/2013
Bicarbonate (HCO3)	SM 2320B	290	mg/L	1	1.0	6/17/2013
Carbonate (CO3)	SM 2320B	14	mg/L	1	1.0	6/17/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/17/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63316 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-002

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
Total Alkalinity	SM 2320B	260	mg/L as CaCO3	1	1.0	6/17/2013
Redox Potential	SM 2580B	-141	mV	1		6/18/2013
Total Nitrogen	Calc.	0.63	mg/L	1	0.10	6/20/2013
Total Cyanide	SM 4500CNC	0.045	mg/L	1	0.010	6/19/2013
Total Dissolved Solids (TDS)	SM 2540C	490	mg/L	1	10	6/18/2013
WAD Cyanide	SM 4500CNI	0.011	mg/L	1	0.010	6/19/2013
Electrical Conductivity	SM 2510B	700	µmhos/cm	1	1	6/21/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	ND	mg/L	1	0.10	6/18/2013
Fluoride	EPA 300.0	0.95	mg/L	1	0.10	6/18/2013
Sulfate	EPA 300.0	120	mg/L	1	1.0	6/18/2013
Nitrate Nitrogen	EPA 300.0	0.098	mg/L	1	0.010	6/18/2013
Nitrite Nitrogen	EPA 300.0	0.080	mg/L	1	0.010	6/18/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.45	mg/L	1	0.10	6/20/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	2.9	mg/L	1	0.045	6/21/2013
Barium	EPA 200.7	0.034	mg/L	1	0.010	6/21/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/21/2013
Boron	EPA 200.7	0.024	mg/L	1	0.020	6/21/2013
Calcium	EPA 200.7	7.4	mg/L	1	0.500	6/21/2013
Cobalt	EPA 200.7	0.0025	mg/L	1	0.0020	6/21/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/21/2013
Iron	EPA 200.7	1.6	mg/L	1	0.010	6/21/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	6/24/2013
Magnesium	EPA 200.7	0.36	mg/L	1	0.25	6/21/2013
Manganese	EPA 200.7	0.043	mg/L	1	0.0050	6/21/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/21/2013
Phosphorus	EPA 200.7	0.53	mg/L	1	0.50	6/21/2013
Potassium	EPA 200.7	3.4	mg/L	1	0.50	6/21/2013
Scandium	EPA 200.7	0.0012	mg/L	1	0.0010	6/21/2013
Silicon	EPA 200.7	26 B	mg/L	1	0.10	6/21/2013
Sodium	EPA 200.7	150	mg/L	1	0.50	6/21/2013
Strontium	EPA 200.7	0.075	mg/L	1	0.0020	6/21/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/21/2013
Titanium	EPA 200.7	0.042	mg/L	1	0.0050	6/21/2013
Vanadium	EPA 200.7	0.031	mg/L	1	0.010	6/21/2013
Zinc	EPA 200.7	0.052	mg/L	1	0.010	6/21/2013

Trace Metals by ICP-MS

Mercury	EPA 200.8	ND	mg/L	10	0.0010	6/24/2013
Antimony	EPA 200.8	0.50	mg/L	10	0.0050	6/24/2013
Arsenic	EPA 200.8	2.3	mg/L	10	0.030	6/24/2013
Beryllium	EPA 200.8	ND	mg/L	10	0.0035	6/24/2013
Cadmium	EPA 200.8	ND	mg/L	10	0.0090	6/24/2013
Chromium	EPA 200.8	ND	mg/L	10	0.010	6/24/2013
Copper	EPA 200.8	ND	mg/L	10	0.025	6/24/2013
Lead	EPA 200.8	0.31	mg/L	10	0.020	6/24/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-002

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
Nickel	EPA 200.8	ND	mg/L	10	0.010	6/24/2013
Selenium	EPA 200.8	ND	mg/L	10	0.020	6/24/2013
Silver	EPA 200.8	ND	mg/L	10	0.015	6/24/2013
Thallium	EPA 200.8	ND	mg/L	10	0.0040	6/24/2013
Uranium	EPA 200.8	0.030	mg/L	10	0.0040	6/24/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	0.00011	mg/L	1	0.00010	6/20/2013
<u>Ion Balance</u>						
Anions	Calculation	7.78	meq/L	1	0.10	
Cations	Calculation	7.39	meq/L	1	0.10	
Error	Calculation	2.5	%	1	1.0	

Customer Sample ID: 63322 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-003

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	2.4	mg/L	1	0.10	6/21/2013
Thiocyanate	SM 4500 CNM	2.1	mg/L	1	0.10	6/20/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	1.1	mg/L	1	0.050	6/19/2013
pH	SM 4500-H+ B	9.04 HT	pH Units	1		6/17/2013
Bicarbonate (HCO3)	SM 2320B	550	mg/L	1	1.0	6/17/2013
Carbonate (CO3)	SM 2320B	60	mg/L	1	1.0	6/17/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/17/2013
Total Alkalinity	SM 2320B	550	mg/L as CaCO3	1	1.0	6/17/2013
Redox Potential	SM 2580B	-218	mV	1		6/18/2013
Total Nitrogen	Calc.	13	mg/L	1	0.10	6/20/2013
Total Cyanide	SM 4500CNC	6.0 HT	mg/L	50	0.50	7/31/2013
Total Dissolved Solids (TDS)	SM 2540C	770	mg/L	1	10	6/18/2013
WAD Cyanide	SM 4500CNI	5.6 HT	mg/L	50	0.50	7/31/2013
Electrical Conductivity	SM 2510B	1200	µmhos/cm	1	1	6/21/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	7.3	mg/L	5	0.50	6/18/2013
Fluoride	EPA 300.0	0.88	mg/L	5	0.50	6/18/2013
Sulfate	EPA 300.0	53	mg/L	1	1.0	6/18/2013
Nitrate Nitrogen	EPA 300.0	0.28	mg/L	1	0.010	6/18/2013
Nitrite Nitrogen	EPA 300.0	6.5	mg/L	5	0.050	6/18/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	5.9	mg/L	1	0.10	6/20/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	2.4	mg/L	1	0.045	6/21/2013
Barium	EPA 200.7	0.055	mg/L	1	0.010	6/21/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/21/2013
Boron	EPA 200.7	0.12	mg/L	1	0.10	6/21/2013
Calcium	EPA 200.7	15	mg/L	1	0.500	6/21/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-003

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
Cobalt	EPA 200.7	0.030	mg/L	1	0.010	6/21/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/21/2013
Iron	EPA 200.7	4.0	mg/L	1	0.010	6/21/2013
Lithium	EPA 200.7	0.077	mg/L	1	0.020	6/24/2013
Magnesium	EPA 200.7	2.8	mg/L	1	0.50	6/21/2013
Manganese	EPA 200.7	0.071	mg/L	1	0.0050	6/21/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/21/2013
Phosphorus	EPA 200.7	0.56	mg/L	1	0.50	6/21/2013
Potassium	EPA 200.7	4.8	mg/L	1	0.50	6/21/2013
Scandium	EPA 200.7	0.0010	mg/L	1	0.0010	6/21/2013
Silicon	EPA 200.7	19 B	mg/L	1	0.10	6/21/2013
Sodium	EPA 200.7	270	mg/L	1	0.50	6/21/2013
Strontium	EPA 200.7	0.21	mg/L	1	0.10	6/21/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/21/2013
Titanium	EPA 200.7	0.046	mg/L	1	0.0050	6/21/2013
Vanadium	EPA 200.7	0.024	mg/L	1	0.010	6/21/2013
Zinc	EPA 200.7	0.53	mg/L	1	0.010	6/21/2013

Trace Metals by ICP-MS

Mercury	EPA 200.8	ND	mg/L	10	0.0010	6/24/2013
Antimony	EPA 200.8	0.29	mg/L	10	0.0050	6/24/2013
Arsenic	EPA 200.8	2.5	mg/L	10	0.030	6/24/2013
Beryllium	EPA 200.8	ND	mg/L	10	0.0035	6/24/2013
Cadmium	EPA 200.8	ND	mg/L	10	0.0090	6/24/2013
Chromium	EPA 200.8	0.024	mg/L	10	0.010	6/24/2013
Copper	EPA 200.8	3.4	mg/L	10	0.025	6/24/2013
Lead	EPA 200.8	0.23	mg/L	10	0.020	6/24/2013
Nickel	EPA 200.8	0.69	mg/L	10	0.010	6/24/2013
Selenium	EPA 200.8	ND	mg/L	10	0.020	6/24/2013
Silver	EPA 200.8	0.024	mg/L	10	0.015	6/24/2013
Thallium	EPA 200.8	ND	mg/L	10	0.0040	6/24/2013
Uranium	EPA 200.8	0.071	mg/L	10	0.0040	6/24/2013

Mercury by CVAA

Mercury	EPA 245.1	0.00035	mg/L	1	0.00010	6/20/2013

Ion Balance

Anions	Calculation	12.6	meq/L	1	0.10	
Cations	Calculation	13.5	meq/L	1	0.10	
Error	Calculation	3.4	%	1	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13060714	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060714	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060715	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13060715	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13060717	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13060717	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13060717	Blank 3	Fluoride	EPA 300.0	ND	mg/L
QC13060719	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13060719	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13060719	Blank 3	Chloride	EPA 300.0	ND	mg/L
QC13060721	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060721	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060723	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13060723	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13060723	Blank 3	Sulfate	EPA 300.0	ND	mg/L
QC13060749	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060749	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060749	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060751	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060751	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060751	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060753	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13060753	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13060819	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13060819	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13060829	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13060829	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13060875	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13060888	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	0.25	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC13060929	Blank 1	Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
		Mercury	EPA 200.8	ND	mg/L
		Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L
QC13060949	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060949	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060949	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060967	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13060967	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13060969	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13060969	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13060714	LCS 1	Nitrite Nitrogen	EPA 300.0	0.543	0.500	109	mg/L
QC13060715	LCS 1	Nitrate Nitrogen	EPA 300.0	0.530	0.500	106	mg/L
QC13060717	LCS 1	Fluoride	EPA 300.0	1.88	2.00	94	mg/L
QC13060719	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC13060721	LCS 1	Nitrite Nitrogen	EPA 300.0	0.496	0.500	99	mg/L
QC13060723	LCS 1	Sulfate	EPA 300.0	24.6	25.0	98	mg/L
QC13060725	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13060725	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13060725	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13060725	LCS 4	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13060725	LCS 5	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13060728	LCS 1	Total Alkalinity	SM 2320B	98.6	100	99	mg/L
QC13060728	LCS 2	Total Alkalinity	SM 2320B	98.4	100	98	mg/L
QC13060728	LCS 3	Total Alkalinity	SM 2320B	98.9	100	99	mg/L
QC13060728	LCS 4	Total Alkalinity	SM 2320B	98.8	100	99	mg/L
QC13060728	LCS 5	Total Alkalinity	SM 2320B	98.8	100	99	mg/L
QC13060728	LCS 6	Total Alkalinity	SM 2320B	96.7	100	97	mg/L
QC13060728	LCS 7	Total Alkalinity	SM 2320B	98.2	100	98	mg/L
QC13060749	LCS 1	WAD Cyanide	SM 4500CNI	0.094	0.100	94	mg/L
QC13060751	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.894	1.00	89	mg/L
QC13060753	LCS 1	Total Cyanide	SM 4500CNC	0.096	0.100	96	mg/L
QC13060756	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC13060819	LCS 1	Mercury	EPA 245.1	0.004830	0.005	97	mg/L
QC13060829	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.637	0.690	92	mg/L
QC13060875	LCS 1	Electrical Conductivity	SM 2510B	1383	1412	98	µmhos/cm
QC13060888	LCS 1	Aluminum	EPA 200.7	1.03	1.00	103	mg/L
		Barium	EPA 200.7	0.978	1.00	98	mg/L

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QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13060929	LCS 1	Bismuth	EPA 200.7	1.02	1.00	102	mg/L
		Boron	EPA 200.7	0.934	1.00	93	mg/L
		Calcium	EPA 200.7	9.83	10.0	98	mg/L
		Cobalt	EPA 200.7	0.976	1.00	98	mg/L
		Gallium	EPA 200.7	1.02	1.00	102	mg/L
		Iron	EPA 200.7	0.940	1.00	94	mg/L
		Lithium	EPA 200.7	0.967	1.00	97	mg/L
		Magnesium	EPA 200.7	8.81	10.0	88	mg/L
		Manganese	EPA 200.7	0.968	1.00	97	mg/L
		Molybdenum	EPA 200.7	0.963	1.00	96	mg/L
		Phosphorus	EPA 200.7	5.08	5.00	102	mg/L
		Potassium	EPA 200.7	9.96	10.0	100	mg/L
		Scandium	EPA 200.7	0.958	1.00	96	mg/L
		Silicon	EPA 200.7	9.05	10.0	90	mg/L
		Sodium	EPA 200.7	9.46	10.0	95	mg/L
		Strontium	EPA 200.7	0.973	1.00	97	mg/L
		Tin	EPA 200.7	0.974	1.00	97	mg/L
		Titanium	EPA 200.7	0.941	1.00	94	mg/L
		Vanadium	EPA 200.7	0.955	1.00	96	mg/L
		Zinc	EPA 200.7	1.02	1.00	102	mg/L
		Mercury	EPA 200.8	0.000889	0.001	89	mg/L
		Antimony	EPA 200.8	0.0090	0.010	90	mg/L
		Arsenic	EPA 200.8	0.0480	0.050	96	mg/L
		Beryllium	EPA 200.8	0.0097	0.010	97	mg/L
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L
		Chromium	EPA 200.8	0.0100	0.010	100	mg/L
		Copper	EPA 200.8	0.0093	0.010	93	mg/L
		Lead	EPA 200.8	0.0091	0.010	91	mg/L
		Nickel	EPA 200.8	0.0097	0.010	97	mg/L
		Selenium	EPA 200.8	0.0465	0.050	93	mg/L
		Silver	EPA 200.8	0.0093	0.010	93	mg/L
		Thallium	EPA 200.8	0.0089	0.010	89	mg/L
		Uranium	EPA 200.8	0.0092	0.010	92	mg/L
QC13060949	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L
QC13060949	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	160	150	107	mg/L
QC13060949	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L
QC13060969	LCS 1	Cyanate	SM 4500 CNL	1.01	1.00	101	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-001	8.00	7.99	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-006	7.94	7.91	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-016	8.04	8.06	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306373-001	8.62	8.63	HT pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-018	8.38	8.46	pH Units	1 %
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-019	8.03	8.05	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-020	8.20	8.22	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-021	8.10	8.09	pH Units	<1%
QC13060728	Duplicate	Bicarbonate (HCO3)	SM 2320B	1306348-001	124	124	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-001	ND	ND	mg/L	<1%

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-001	102	101	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-006	123	123	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-006	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-006	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-006	101	101	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-016	117	117	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-016	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-016	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-016	95.9	95.8	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306373-001	366	367	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306373-001	13.0	13.1	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306373-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306373-001	322	323	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-018	107	104	mg/L	3 %
		Carbonate (CO3)	SM 2320B	1306348-018	ND	2.73	Q mg/L	96 %
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-018	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-018	89.2	89.5	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-019	129	130	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-019	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-019	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-019	106	106	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-020	121	120	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1306348-020	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-020	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-020	99.0	98.2	mg/L as CaCO3	1 %
		Bicarbonate (HCO3)	SM 2320B	1306348-021	127	127	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-021	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-021	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-021	104	104	mg/L as CaCO3	<1%
		Redox Potential	SM 2580B	1306364-002	ND	ND	mV	<1%
		Redox Potential	SM 2580B	1306364-011	53.8	49.5	mV	8 %
QC13060875	Duplicate	Electrical Conductivity	SM 2510B	1306373-001	763	761	µmhos/cm	<1%
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306196-001	276	273	mg/L	1 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306196-009	416	402	mg/L	3 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306196-020	272	259	mg/L	5 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306230-007	49.0	48.0	mg/L	2 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306236-001	252	255	mg/L	1 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306279-001	1056	1047	mg/L	1 %
QC13060969	Duplicate	Cyanate	SM 4500 CNL	1306373-001	ND	ND	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Spike	Sample	MS	MSD	Spike	MS %	MSD %	RPD

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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 EPA Lab ID: NV00932

				Sample	Result	Result	Result	Value	Det	Det	
QC13060714	MS 1	Nitrite Nitrogen	EPA 300.0	1306373-001	0.220	0.513	0.494	0.500 mg/L	87	83	4 %
QC13060715	MS 1	Nitrate Nitrogen	EPA 300.0	1306373-001	1.74	6.69	6.75	0.500 mg/L	99	100	1 %
QC13060717	MS 1	Fluoride	EPA 300.0	1306374-002	ND	1.99	1.92	2.00 mg/L	99	95	4 %
QC13060717	MS 2	Fluoride	EPA 300.0	1306382-001	ND	1.82	1.84	2.00 mg/L	87	88	1 %
QC13060719	MS 1	Chloride	EPA 300.0	1306374-002	1.24	6.67	6.76	5.00 mg/L	108	110	1 %
QC13060719	MS 2	Chloride	EPA 300.0	1306382-001	1.30	6.62	6.70	5.00 mg/L	106	108	1 %
QC13060721	MS 1	Nitrite Nitrogen	EPA 300.0	1306374-002	ND	0.496	0.504	0.500 mg/L	99	101	2 %
QC13060723	MS 1	Sulfate	EPA 300.0	1306374-002	ND	10.0	10.1	10.0 mg/L	99	100	1 %
QC13060723	MS 2	Sulfate	EPA 300.0	1306382-001	1.71	11.4	11.6	10.0 mg/L	97	99	2 %
QC13060749	MS 1	WAD Cyanide	SM 4500CNI	1306373-001	0.026	0.134	0.126	0.100 mg/L	109	100	6 %
QC13060749	MS 2	WAD Cyanide	SM 4500CNI	1306373-002	0.011	0.093	0.104	0.100 mg/L	93	104	11 %
QC13060751	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1306334-002	0.094	1.15	1.17	1.00 mg/L	106	107	2 %
QC13060751	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1306373-001	0.056	1.04	1.03	1.00 mg/L	99	97	1 %
QC13060753	MS 1	Total Cyanide	SM 4500CNC	1306373-001	0.184	0.280	0.287	0.100 mg/L	96	103	2 %
QC13060819	MS 1	Mercury	EPA 245.1	1306101-001	ND	0.004970	0.004950	0.005 mg/L	99	99	<1%
QC13060829	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1306196-021	1.94	M 2.51	2.97	0.690 mg/L	NC	NC	NC
QC13060888	MS 1	Aluminum	EPA 200.7	1306373-001	2.99	M 4.40	4.32	1.00 mg/L	NC	NC	NC
		Barium	EPA 200.7	1306373-001	0.040	1.01	1.01	1.00 mg/L	97	97	<1%
		Bismuth	EPA 200.7	1306373-001	ND	1.02	1.04	1.00 mg/L	101	103	2 %
		Boron	EPA 200.7	1306373-001	0.028	1.02	1.02	1.00 mg/L	99	99	<1%
		Calcium	EPA 200.7	1306373-001	8.50	18.5	18.4	10.0 mg/L	100	99	1 %
		Cobalt	EPA 200.7	1306373-001	0.002	0.969	0.977	1.00 mg/L	97	97	1 %
		Gallium	EPA 200.7	1306373-001	ND	0.920	0.920	1.00 mg/L	92	92	<1%
		Iron	EPA 200.7	1306373-001	1.30	2.41	2.42	1.00 mg/L	111	112	<1%
		Lithium	EPA 200.7	1306373-001	ND	0.999	0.966	1.00 mg/L	99	96	3 %
		Magnesium	EPA 200.7	1306373-001	0.489	9.57	9.75	10.0 mg/L	91	93	2 %
		Manganese	EPA 200.7	1306373-001	0.051	1.01	1.02	1.00 mg/L	96	97	1 %
		Molybdenum	EPA 200.7	1306373-001	ND	0.978	0.990	1.00 mg/L	97	99	1 %
		Phosphorus	EPA 200.7	1306373-001	0.679	5.94	6.06	5.00 mg/L	105	108	2 %
		Potassium	EPA 200.7	1306373-001	3.93	13.7	13.6	10.0 mg/L	98	97	1 %
		Scandium	EPA 200.7	1306373-001	ND	0.954	0.953	1.00 mg/L	95	95	<1%
		Silicon	EPA 200.7	1306373-001	26.0	B 38.7	37.8	10.0 mg/L	127	118	2 %
		Sodium	EPA 200.7	1306373-001	163	SC 184	176	10.0 mg/L	NC	NC	NC
		Strontium	EPA 200.7	1306373-001	0.109	1.06	1.06	1.00 mg/L	95	95	<1%
		Tin	EPA 200.7	1306373-001	ND	1.00	1.03	1.00 mg/L	100	103	3 %
		Titanium	EPA 200.7	1306373-001	0.036	0.990	0.993	1.00 mg/L	95	96	<1%
		Vanadium	EPA 200.7	1306373-001	0.018	0.981	0.983	1.00 mg/L	96	96	<1%
		Zinc	EPA 200.7	1306373-001	0.032	1.11	1.14	1.00 mg/L	108	111	3 %
QC13060929	MS 1	Mercury	EPA 200.8	1306373-001	ND	0.0008	0.0009	0.001 mg/L	70	80	12 %
		Antimony	EPA 200.8	1306373-001	0.4266	SC 0.4222	0.4412	0.010 mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1306373-001	2.2738	SC 2.2656	2.3830	0.050 mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1306373-001	ND	0.0096	0.0101	0.010 mg/L	93	98	5 %
		Cadmium	EPA 200.8	1306373-001	ND	M 0.0059	0.007	0.010 mg/L	NC	NC	NC
		Chromium	EPA 200.8	1306373-001	ND	0.0124	0.0125	0.010 mg/L	86	87	1 %
		Copper	EPA 200.8	1306373-001	ND	M 0.0376	0.0321	0.010 mg/L	NC	NC	NC
		Lead	EPA 200.8	1306373-001	0.3300	SC 0.3193	0.3403	0.010 mg/L	NC	NC	NC
		Nickel	EPA 200.8	1306373-001	ND	0.0127	0.0129	0.010 mg/L	102	104	2 %
		Selenium	EPA 200.8	1306373-001	ND	M 0.0325	0.0415	0.050 mg/L	NC	NC	NC
		Silver	EPA 200.8	1306373-001	ND	0.0083	0.0083	0.010 mg/L	72	72	<1%
		Thallium	EPA 200.8	1306373-001	ND	M 0.0069	0.0074	0.010 mg/L	NC	NC	NC
		Uranium	EPA 200.8	1306373-001	0.0345	0.0428	0.0452	0.010 mg/L	83	107	5 %
QC13060967	MS 1	Thiocyanate	SM 4500 CN	1306373-001	0.133	0.964	0.944	1.00 mg/L	83	81	2 %

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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6/27/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1306373

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 6/17/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1306373

General Comments

None

Specific Comments

The analysis of the laboratory method blank revealed concentrations of Silicon above the reporting limit during the analysis of sampleS 1306373-001 thru 003. We apologize for any inconvenience this may have caused.

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Cadmium, Copper, Selenium, Thallium and Aluminum on sample 1306373-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1306373-001 and 002 Beryllium, Cadmium, Chromium, Copper, Mercury, Nickel, Selenium, Silver and Thallium

1306373-003 Beryllium, Cadmium, Mercury, Selenium and Thallium

The reporting limits have been adjusted accordingly.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: 42790 / Eagle Gold

Date Printed: 6/27/2013

OrderID: 1306373

Customer Sample ID: 63301 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-001

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	ND	mg/L	1	0.10	6/21/2013
Thiocyanate	SM 4500 CNM	0.13	mg/L	1	0.10	6/20/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.056	mg/L	1	0.050	6/19/2013
pH	SM 4500-H+ B	8.62 HT	pH Units	1		6/17/2013
Bicarbonate (HCO3)	SM 2320B	370	mg/L	1	1.0	6/17/2013
Carbonate (CO3)	SM 2320B	13	mg/L	1	1.0	6/17/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/17/2013
Total Alkalinity	SM 2320B	320	mg/L as CaCO3	1	1.0	6/17/2013
Redox Potential	SM 2580B	-141	mV	1		6/18/2013
Total Nitrogen	Calc.	2.7	mg/L	1	0.10	6/20/2013
Total Cyanide	SM 4500CNC	0.18	mg/L	1	0.010	6/19/2013
Total Dissolved Solids (TDS)	SM 2540C	540	mg/L	1	10	6/18/2013
WAD Cyanide	SM 4500CNI	0.026	mg/L	1	0.010	6/19/2013
Electrical Conductivity	SM 2510B	760	µmhos/cm	1	1	6/21/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.12	mg/L	1	0.10	6/18/2013
Fluoride	EPA 300.0	0.77	mg/L	1	0.10	6/18/2013
Sulfate	EPA 300.0	88	mg/L	1	1.0	6/18/2013
Nitrate Nitrogen	EPA 300.0	1.7	mg/L	10	0.10	6/18/2013
Nitrite Nitrogen	EPA 300.0	0.22	mg/L	1	0.010	6/18/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.76	mg/L	1	0.10	6/20/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	3.0 M	mg/L	1	0.045	6/21/2013
Barium	EPA 200.7	0.040	mg/L	1	0.010	6/21/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/21/2013
Boron	EPA 200.7	0.028	mg/L	1	0.020	6/21/2013
Calcium	EPA 200.7	8.5	mg/L	1	0.500	6/21/2013
Cobalt	EPA 200.7	0.0022	mg/L	1	0.0020	6/21/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/21/2013
Iron	EPA 200.7	1.3	mg/L	1	0.010	6/21/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	6/24/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63301 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-001

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
Magnesium	EPA 200.7	0.49	mg/L	1	0.25	6/21/2013
Manganese	EPA 200.7	0.051	mg/L	1	0.0050	6/21/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/21/2013
Phosphorus	EPA 200.7	0.68	mg/L	1	0.50	6/21/2013
Potassium	EPA 200.7	3.9	mg/L	1	0.50	6/21/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	6/21/2013
Silicon	EPA 200.7	26 B	mg/L	1	0.10	6/21/2013
Sodium	EPA 200.7	160 SC	mg/L	1	0.50	6/21/2013
Strontium	EPA 200.7	0.11	mg/L	1	0.10	6/21/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/21/2013
Titanium	EPA 200.7	0.036	mg/L	1	0.0050	6/21/2013
Vanadium	EPA 200.7	0.018	mg/L	1	0.010	6/21/2013
Zinc	EPA 200.7	0.032	mg/L	1	0.010	6/21/2013

Trace Metals by ICP-MS

Mercury	EPA 200.8	ND	mg/L	10	0.0010	6/24/2013
Antimony	EPA 200.8	0.43 SC	mg/L	10	0.0050	6/24/2013
Arsenic	EPA 200.8	2.3 SC	mg/L	10	0.030	6/24/2013
Beryllium	EPA 200.8	ND	mg/L	10	0.0035	6/24/2013
Cadmium	EPA 200.8	ND M	mg/L	10	0.0090	6/24/2013
Chromium	EPA 200.8	ND	mg/L	10	0.010	6/24/2013
Copper	EPA 200.8	ND M	mg/L	10	0.025	6/24/2013
Lead	EPA 200.8	0.33 SC	mg/L	10	0.020	6/24/2013
Nickel	EPA 200.8	ND	mg/L	10	0.010	6/24/2013
Selenium	EPA 200.8	ND M	mg/L	10	0.020	6/24/2013
Silver	EPA 200.8	ND	mg/L	10	0.015	6/24/2013
Thallium	EPA 200.8	ND M	mg/L	10	0.0040	6/24/2013
Uranium	EPA 200.8	0.034	mg/L	10	0.0040	6/24/2013

Mercury by CVAA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	6/20/2013

Ion Balance

Anions	Calculation	8.50	meq/L	1	0.10	
Cations	Calculation	7.89	meq/L	1	0.10	
Error	Calculation	3.7	%	1	1.0	

Customer Sample ID: 63304 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-002

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	6/20/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.10	6/21/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	6/19/2013
pH	SM 4500-H+ B	8.72 HT	pH Units	1		6/17/2013
Bicarbonate (HCO3)	SM 2320B	290	mg/L	1	1.0	6/17/2013
Carbonate (CO3)	SM 2320B	14	mg/L	1	1.0	6/17/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/17/2013
Total Alkalinity	SM 2320B	260	mg/L as CaCO3	1	1.0	6/17/2013
Redox Potential	SM 2580B	-141	mV	1		6/18/2013
Total Nitrogen	Calc.	0.63	mg/L	1	0.10	6/20/2013
Total Cyanide	SM 4500CNC	0.045	mg/L	1	0.010	6/19/2013
Total Dissolved Solids (TDS)	SM 2540C	490	mg/L	1	10	6/18/2013
WAD Cyanide	SM 4500CNI	0.011	mg/L	1	0.010	6/19/2013
Electrical Conductivity	SM 2510B	700	µmhos/cm	1	1	6/21/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	6/18/2013
Fluoride	EPA 300.0	0.95	mg/L	1	0.10	6/18/2013
Sulfate	EPA 300.0	120	mg/L	1	1.0	6/18/2013
Nitrate Nitrogen	EPA 300.0	0.098	mg/L	1	0.010	6/18/2013
Nitrite Nitrogen	EPA 300.0	0.080	mg/L	1	0.010	6/18/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.45	mg/L	1	0.10	6/20/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.9	mg/L	1	0.045	6/21/2013
Barium	EPA 200.7	0.034	mg/L	1	0.010	6/21/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/21/2013
Boron	EPA 200.7	0.024	mg/L	1	0.020	6/21/2013
Calcium	EPA 200.7	7.4	mg/L	1	0.500	6/21/2013
Cobalt	EPA 200.7	0.0025	mg/L	1	0.0020	6/21/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/21/2013
Iron	EPA 200.7	1.6	mg/L	1	0.010	6/21/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	6/24/2013
Magnesium	EPA 200.7	0.36	mg/L	1	0.25	6/21/2013
Manganese	EPA 200.7	0.043	mg/L	1	0.0050	6/21/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/21/2013
Phosphorus	EPA 200.7	0.53	mg/L	1	0.50	6/21/2013
Potassium	EPA 200.7	3.4	mg/L	1	0.50	6/21/2013
Scandium	EPA 200.7	0.0012	mg/L	1	0.0010	6/21/2013
Silicon	EPA 200.7	26 B	mg/L	1	0.10	6/21/2013
Sodium	EPA 200.7	150	mg/L	1	0.50	6/21/2013
Strontium	EPA 200.7	0.075	mg/L	1	0.0020	6/21/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/21/2013
Titanium	EPA 200.7	0.042	mg/L	1	0.0050	6/21/2013
Vanadium	EPA 200.7	0.031	mg/L	1	0.010	6/21/2013
Zinc	EPA 200.7	0.052	mg/L	1	0.010	6/21/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63304 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-002

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>Trace Metals by ICP-MS</u>						
Mercury	EPA 200.8	ND	mg/L	10	0.0010	6/24/2013
Antimony	EPA 200.8	0.50	mg/L	10	0.0050	6/24/2013
Arsenic	EPA 200.8	2.3	mg/L	10	0.030	6/24/2013
Beryllium	EPA 200.8	ND	mg/L	10	0.0035	6/24/2013
Cadmium	EPA 200.8	ND	mg/L	10	0.0090	6/24/2013
Chromium	EPA 200.8	ND	mg/L	10	0.010	6/24/2013
Copper	EPA 200.8	ND	mg/L	10	0.025	6/24/2013
Lead	EPA 200.8	0.31	mg/L	10	0.020	6/24/2013
Nickel	EPA 200.8	ND	mg/L	10	0.010	6/24/2013
Selenium	EPA 200.8	ND	mg/L	10	0.020	6/24/2013
Silver	EPA 200.8	ND	mg/L	10	0.015	6/24/2013
Thallium	EPA 200.8	ND	mg/L	10	0.0040	6/24/2013
Uranium	EPA 200.8	0.030	mg/L	10	0.0040	6/24/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	0.00011	mg/L	1	0.00010	6/20/2013
<u>Ion Balance</u>						
Anions	Calculation	7.78	meq/L	1	0.10	
Cations	Calculation	7.39	meq/L	1	0.10	
Error	Calculation	2.5	%	1	1.0	

Customer Sample ID: 63322 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-003

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	2.4	mg/L	1	0.10	6/21/2013
Thiocyanate	SM 4500 CNM	2.1	mg/L	1	0.10	6/20/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	1.1	mg/L	1	0.050	6/19/2013
pH	SM 4500-H+ B	9.04 HT	pH Units	1		6/17/2013
Bicarbonate (HCO3)	SM 2320B	550	mg/L	1	1.0	6/17/2013
Carbonate (CO3)	SM 2320B	60	mg/L	1	1.0	6/17/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/17/2013
Total Alkalinity	SM 2320B	550	mg/L as CaCO3	1	1.0	6/17/2013
Redox Potential	SM 2580B	-218	mV	1		6/18/2013
Total Nitrogen	Calc.	13	mg/L	1	0.10	6/20/2013
Total Cyanide	SM 4500CNC	5.2	mg/L	50	0.50	6/19/2013
Total Dissolved Solids (TDS)	SM 2540C	770	mg/L	1	10	6/18/2013
WAD Cyanide	SM 4500CNI	6.4	mg/L	50	0.50	6/19/2013
Electrical Conductivity	SM 2510B	1200	µmhos/cm	1	1	6/21/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	7.3	mg/L	5	0.50	6/18/2013
Fluoride	EPA 300.0	0.88	mg/L	5	0.50	6/18/2013
Sulfate	EPA 300.0	53	mg/L	1	1.0	6/18/2013
Nitrate Nitrogen	EPA 300.0	0.28	mg/L	1	0.010	6/18/2013
Nitrite Nitrogen	EPA 300.0	6.5	mg/L	5	0.050	6/18/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	5.9	mg/L	1	0.10	6/20/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.4	mg/L	1	0.045	6/21/2013
Barium	EPA 200.7	0.055	mg/L	1	0.010	6/21/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/21/2013
Boron	EPA 200.7	0.12	mg/L	1	0.10	6/21/2013
Calcium	EPA 200.7	15	mg/L	1	0.500	6/21/2013
Cobalt	EPA 200.7	0.030	mg/L	1	0.010	6/21/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/21/2013
Iron	EPA 200.7	4.0	mg/L	1	0.010	6/21/2013
Lithium	EPA 200.7	0.077	mg/L	1	0.020	6/24/2013
Magnesium	EPA 200.7	2.8	mg/L	1	0.50	6/21/2013
Manganese	EPA 200.7	0.071	mg/L	1	0.0050	6/21/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/21/2013
Phosphorus	EPA 200.7	0.56	mg/L	1	0.50	6/21/2013
Potassium	EPA 200.7	4.8	mg/L	1	0.50	6/21/2013
Scandium	EPA 200.7	0.0010	mg/L	1	0.0010	6/21/2013
Silicon	EPA 200.7	19 B	mg/L	1	0.10	6/21/2013
Sodium	EPA 200.7	270	mg/L	1	0.50	6/21/2013
Strontium	EPA 200.7	0.21	mg/L	1	0.10	6/21/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/21/2013
Titanium	EPA 200.7	0.046	mg/L	1	0.0050	6/21/2013
Vanadium	EPA 200.7	0.024	mg/L	1	0.010	6/21/2013
Zinc	EPA 200.7	0.53	mg/L	1	0.010	6/21/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-003

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>Trace Metals by ICP-MS</u>						
Mercury	EPA 200.8	ND	mg/L	10	0.0010	6/24/2013
Antimony	EPA 200.8	0.29	mg/L	10	0.0050	6/24/2013
Arsenic	EPA 200.8	2.5	mg/L	10	0.030	6/24/2013
Beryllium	EPA 200.8	ND	mg/L	10	0.0035	6/24/2013
Cadmium	EPA 200.8	ND	mg/L	10	0.0090	6/24/2013
Chromium	EPA 200.8	0.024	mg/L	10	0.010	6/24/2013
Copper	EPA 200.8	3.4	mg/L	10	0.025	6/24/2013
Lead	EPA 200.8	0.23	mg/L	10	0.020	6/24/2013
Nickel	EPA 200.8	0.69	mg/L	10	0.010	6/24/2013
Selenium	EPA 200.8	ND	mg/L	10	0.020	6/24/2013
Silver	EPA 200.8	0.024	mg/L	10	0.015	6/24/2013
Thallium	EPA 200.8	ND	mg/L	10	0.0040	6/24/2013
Uranium	EPA 200.8	0.071	mg/L	10	0.0040	6/24/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	0.00035	mg/L	1	0.00010	6/20/2013
<u>Ion Balance</u>						
Anions	Calculation	12.6	meq/L	1	0.10	
Cations	Calculation	13.5	meq/L	1	0.10	
Error	Calculation	3.4	%	1	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13060714	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060714	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060715	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13060715	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13060717	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13060717	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13060717	Blank 3	Fluoride	EPA 300.0	ND	mg/L
QC13060719	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13060719	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13060719	Blank 3	Chloride	EPA 300.0	ND	mg/L
QC13060721	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060721	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060723	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13060723	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13060723	Blank 3	Sulfate	EPA 300.0	ND	mg/L
QC13060749	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060749	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060749	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060751	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060751	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060751	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060753	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13060753	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13060819	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13060819	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13060829	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13060829	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13060875	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13060888	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	0.25	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC13060929	Blank 1	Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
		Mercury	EPA 200.8	ND	mg/L
		Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L
QC13060949	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060949	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060949	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060967	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13060967	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13060969	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13060969	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13060714	LCS 1	Nitrite Nitrogen	EPA 300.0	0.543	0.500	109	mg/L
QC13060715	LCS 1	Nitrate Nitrogen	EPA 300.0	0.530	0.500	106	mg/L
QC13060717	LCS 1	Fluoride	EPA 300.0	1.88	2.00	94	mg/L
QC13060719	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC13060721	LCS 1	Nitrite Nitrogen	EPA 300.0	0.496	0.500	99	mg/L
QC13060723	LCS 1	Sulfate	EPA 300.0	24.6	25.0	98	mg/L
QC13060725	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13060725	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13060725	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13060725	LCS 4	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13060725	LCS 5	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13060728	LCS 1	Total Alkalinity	SM 2320B	98.6	100	99	mg/L
QC13060728	LCS 2	Total Alkalinity	SM 2320B	98.4	100	98	mg/L
QC13060728	LCS 3	Total Alkalinity	SM 2320B	98.9	100	99	mg/L
QC13060728	LCS 4	Total Alkalinity	SM 2320B	98.8	100	99	mg/L
QC13060728	LCS 5	Total Alkalinity	SM 2320B	98.8	100	99	mg/L
QC13060728	LCS 6	Total Alkalinity	SM 2320B	96.7	100	97	mg/L
QC13060728	LCS 7	Total Alkalinity	SM 2320B	98.2	100	98	mg/L
QC13060749	LCS 1	WAD Cyanide	SM 4500CNI	0.094	0.100	94	mg/L
QC13060751	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.894	1.00	89	mg/L
QC13060753	LCS 1	Total Cyanide	SM 4500CNC	0.096	0.100	96	mg/L
QC13060756	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC13060819	LCS 1	Mercury	EPA 245.1	0.004830	0.005	97	mg/L
QC13060829	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.637	0.690	92	mg/L
QC13060875	LCS 1	Electrical Conductivity	SM 2510B	1383	1412	98	µmhos/cm
QC13060888	LCS 1	Aluminum	EPA 200.7	1.03	1.00	103	mg/L
		Barium	EPA 200.7	0.978	1.00	98	mg/L

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QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13060929	LCS 1	Bismuth	EPA 200.7	1.02	1.00	102	mg/L
		Boron	EPA 200.7	0.934	1.00	93	mg/L
		Calcium	EPA 200.7	9.83	10.0	98	mg/L
		Cobalt	EPA 200.7	0.976	1.00	98	mg/L
		Gallium	EPA 200.7	1.02	1.00	102	mg/L
		Iron	EPA 200.7	0.940	1.00	94	mg/L
		Lithium	EPA 200.7	0.967	1.00	97	mg/L
		Magnesium	EPA 200.7	8.81	10.0	88	mg/L
		Manganese	EPA 200.7	0.968	1.00	97	mg/L
		Molybdenum	EPA 200.7	0.963	1.00	96	mg/L
		Phosphorus	EPA 200.7	5.08	5.00	102	mg/L
		Potassium	EPA 200.7	9.96	10.0	100	mg/L
		Scandium	EPA 200.7	0.958	1.00	96	mg/L
		Silicon	EPA 200.7	9.05	10.0	90	mg/L
		Sodium	EPA 200.7	9.46	10.0	95	mg/L
		Strontium	EPA 200.7	0.973	1.00	97	mg/L
		Tin	EPA 200.7	0.974	1.00	97	mg/L
		Titanium	EPA 200.7	0.941	1.00	94	mg/L
		Vanadium	EPA 200.7	0.955	1.00	96	mg/L
		Zinc	EPA 200.7	1.02	1.00	102	mg/L
		Mercury	EPA 200.8	0.000889	0.001	89	mg/L
		Antimony	EPA 200.8	0.0090	0.010	90	mg/L
		Arsenic	EPA 200.8	0.0480	0.050	96	mg/L
		Beryllium	EPA 200.8	0.0097	0.010	97	mg/L
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L
		Chromium	EPA 200.8	0.0100	0.010	100	mg/L
		Copper	EPA 200.8	0.0093	0.010	93	mg/L
		Lead	EPA 200.8	0.0091	0.010	91	mg/L
		Nickel	EPA 200.8	0.0097	0.010	97	mg/L
		Selenium	EPA 200.8	0.0465	0.050	93	mg/L
		Silver	EPA 200.8	0.0093	0.010	93	mg/L
		Thallium	EPA 200.8	0.0089	0.010	89	mg/L
		Uranium	EPA 200.8	0.0092	0.010	92	mg/L
QC13060949	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L
QC13060949	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	160	150	107	mg/L
QC13060949	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L
QC13060969	LCS 1	Cyanate	SM 4500 CNL	1.01	1.00	101	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-001	8.00	7.99	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-006	7.94	7.91	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-016	8.04	8.06	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306373-001	8.62	8.63	HT pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-018	8.38	8.46	pH Units	1 %
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-019	8.03	8.05	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-020	8.20	8.22	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-021	8.10	8.09	pH Units	<1%
QC13060728	Duplicate	Bicarbonate (HCO3)	SM 2320B	1306348-001	124	124	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-001	ND	ND	mg/L	<1%

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-001	102	101	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-006	123	123	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-006	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-006	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-006	101	101	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-016	117	117	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-016	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-016	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-016	95.9	95.8	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306373-001	366	367	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306373-001	13.0	13.1	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306373-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306373-001	322	323	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-018	107	104	mg/L	3 %
		Carbonate (CO3)	SM 2320B	1306348-018	ND	2.73	Q mg/L	96 %
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-018	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-018	89.2	89.5	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-019	129	130	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-019	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-019	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-019	106	106	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-020	121	120	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1306348-020	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-020	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-020	99.0	98.2	mg/L as CaCO3	1 %
		Bicarbonate (HCO3)	SM 2320B	1306348-021	127	127	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-021	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-021	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-021	104	104	mg/L as CaCO3	<1%
		Redox Potential	SM 2580B	1306364-002	ND	ND	mV	<1%
		Redox Potential	SM 2580B	1306364-011	53.8	49.5	mV	8 %
QC13060875	Duplicate	Electrical Conductivity	SM 2510B	1306373-001	763	761	µmhos/cm	<1%
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306196-001	276	273	mg/L	1 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306196-009	416	402	mg/L	3 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306196-020	272	259	mg/L	5 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306230-007	49.0	48.0	mg/L	2 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306236-001	252	255	mg/L	1 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306279-001	1056	1047	mg/L	1 %
QC13060969	Duplicate	Cyanate	SM 4500 CNL	1306373-001	ND	ND	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Spike	Sample	MS	MSD	Spike	MS %	MSD %	RPD

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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 EPA Lab ID: NV00932

				Sample	Result	Result	Result	Value	Det	Det	
QC13060714	MS 1	Nitrite Nitrogen	EPA 300.0	1306373-001	0.220	0.513	0.494	0.500 mg/L	87	83	4 %
QC13060715	MS 1	Nitrate Nitrogen	EPA 300.0	1306373-001	1.74	6.69	6.75	0.500 mg/L	99	100	1 %
QC13060717	MS 1	Fluoride	EPA 300.0	1306374-002	ND	1.99	1.92	2.00 mg/L	99	95	4 %
QC13060717	MS 2	Fluoride	EPA 300.0	1306382-001	ND	1.82	1.84	2.00 mg/L	87	88	1 %
QC13060719	MS 1	Chloride	EPA 300.0	1306374-002	1.24	6.67	6.76	5.00 mg/L	108	110	1 %
QC13060719	MS 2	Chloride	EPA 300.0	1306382-001	1.30	6.62	6.70	5.00 mg/L	106	108	1 %
QC13060721	MS 1	Nitrite Nitrogen	EPA 300.0	1306374-002	ND	0.496	0.504	0.500 mg/L	99	101	2 %
QC13060723	MS 1	Sulfate	EPA 300.0	1306374-002	ND	10.0	10.1	10.0 mg/L	99	100	1 %
QC13060723	MS 2	Sulfate	EPA 300.0	1306382-001	1.71	11.4	11.6	10.0 mg/L	97	99	2 %
QC13060749	MS 1	WAD Cyanide	SM 4500CNI	1306373-001	0.026	0.134	0.126	0.100 mg/L	109	100	6 %
QC13060749	MS 2	WAD Cyanide	SM 4500CNI	1306373-002	0.011	0.093	0.104	0.100 mg/L	93	104	11 %
QC13060751	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1306334-002	0.094	1.15	1.17	1.00 mg/L	106	107	2 %
QC13060751	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1306373-001	0.056	1.04	1.03	1.00 mg/L	99	97	1 %
QC13060753	MS 1	Total Cyanide	SM 4500CNC	1306373-001	0.184	0.280	0.287	0.100 mg/L	96	103	2 %
QC13060819	MS 1	Mercury	EPA 245.1	1306101-001	ND	0.004970	0.004950	0.005 mg/L	99	99	<1%
QC13060829	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1306196-021	1.94	M 2.51	2.97	0.690 mg/L	NC	NC	NC
QC13060888	MS 1	Aluminum	EPA 200.7	1306373-001	2.99	M 4.40	4.32	1.00 mg/L	NC	NC	NC
		Barium	EPA 200.7	1306373-001	0.040	1.01	1.01	1.00 mg/L	97	97	<1%
		Bismuth	EPA 200.7	1306373-001	ND	1.02	1.04	1.00 mg/L	101	103	2 %
		Boron	EPA 200.7	1306373-001	0.028	1.02	1.02	1.00 mg/L	99	99	<1%
		Calcium	EPA 200.7	1306373-001	8.50	18.5	18.4	10.0 mg/L	100	99	1 %
		Cobalt	EPA 200.7	1306373-001	0.002	0.969	0.977	1.00 mg/L	97	97	1 %
		Gallium	EPA 200.7	1306373-001	ND	0.920	0.920	1.00 mg/L	92	92	<1%
		Iron	EPA 200.7	1306373-001	1.30	2.41	2.42	1.00 mg/L	111	112	<1%
		Lithium	EPA 200.7	1306373-001	ND	0.999	0.966	1.00 mg/L	99	96	3 %
		Magnesium	EPA 200.7	1306373-001	0.489	9.57	9.75	10.0 mg/L	91	93	2 %
		Manganese	EPA 200.7	1306373-001	0.051	1.01	1.02	1.00 mg/L	96	97	1 %
		Molybdenum	EPA 200.7	1306373-001	ND	0.978	0.990	1.00 mg/L	97	99	1 %
		Phosphorus	EPA 200.7	1306373-001	0.679	5.94	6.06	5.00 mg/L	105	108	2 %
		Potassium	EPA 200.7	1306373-001	3.93	13.7	13.6	10.0 mg/L	98	97	1 %
		Scandium	EPA 200.7	1306373-001	ND	0.954	0.953	1.00 mg/L	95	95	<1%
		Silicon	EPA 200.7	1306373-001	26.0	B 38.7	37.8	10.0 mg/L	127	118	2 %
		Sodium	EPA 200.7	1306373-001	163	SC 184	176	10.0 mg/L	NC	NC	NC
		Strontium	EPA 200.7	1306373-001	0.109	1.06	1.06	1.00 mg/L	95	95	<1%
		Tin	EPA 200.7	1306373-001	ND	1.00	1.03	1.00 mg/L	100	103	3 %
		Titanium	EPA 200.7	1306373-001	0.036	0.990	0.993	1.00 mg/L	95	96	<1%
		Vanadium	EPA 200.7	1306373-001	0.018	0.981	0.983	1.00 mg/L	96	96	<1%
		Zinc	EPA 200.7	1306373-001	0.032	1.11	1.14	1.00 mg/L	108	111	3 %
QC13060929	MS 1	Mercury	EPA 200.8	1306373-001	ND	0.0008	0.0009	0.001 mg/L	70	80	12 %
		Antimony	EPA 200.8	1306373-001	0.4266	SC 0.4222	0.4412	0.010 mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1306373-001	2.2738	SC 2.2656	2.3830	0.050 mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1306373-001	ND	0.0096	0.0101	0.010 mg/L	93	98	5 %
		Cadmium	EPA 200.8	1306373-001	ND	M 0.0059	0.007	0.010 mg/L	NC	NC	NC
		Chromium	EPA 200.8	1306373-001	ND	0.0124	0.0125	0.010 mg/L	86	87	1 %
		Copper	EPA 200.8	1306373-001	ND	M 0.0376	0.0321	0.010 mg/L	NC	NC	NC
		Lead	EPA 200.8	1306373-001	0.3300	SC 0.3193	0.3403	0.010 mg/L	NC	NC	NC
		Nickel	EPA 200.8	1306373-001	ND	0.0127	0.0129	0.010 mg/L	102	104	2 %
		Selenium	EPA 200.8	1306373-001	ND	M 0.0325	0.0415	0.050 mg/L	NC	NC	NC
		Silver	EPA 200.8	1306373-001	ND	0.0083	0.0083	0.010 mg/L	72	72	<1%
		Thallium	EPA 200.8	1306373-001	ND	M 0.0069	0.0074	0.010 mg/L	NC	NC	NC
		Uranium	EPA 200.8	1306373-001	0.0345	0.0428	0.0452	0.010 mg/L	83	107	5 %
QC13060967	MS 1	Thiocyanate	SM 4500 CN	1306373-001	0.133	0.964	0.944	1.00 mg/L	83	81	2 %

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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7/5/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1306373

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 6/17/2013. Additional comments are located on page 2 of this report.

This is an amended report that includes the correction of Sample ID on sample 1306373-002. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1306373

General Comments

None

Specific Comments

The analysis of the laboratory method blank revealed concentrations of Silicon above the reporting limit during the analysis of sampleS 1306373-001 thru 003. We apologize for any inconvenience this may have caused.

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Cadmium, Copper, Selenium, Thallium and Aluminum on sample 1306373-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Due to the sample matrix it was necessary to analyze the following at a dilution:

1306373-001 and 002 Beryllium, Cadmium, Chromium, Copper, Mercury, Nickel, Selenium, Silver and Thallium

1306373-003 Beryllium, Cadmium, Mercury, Selenium and Thallium

The reporting limits have been adjusted accordingly.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: 42790 / Eagle Gold

Date Printed: 7/5/2013

OrderID: 1306373

Customer Sample ID: 63301 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-001

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	ND	mg/L	1	0.10	6/21/2013
Thiocyanate	SM 4500 CNM	0.13	mg/L	1	0.10	6/20/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.056	mg/L	1	0.050	6/19/2013
pH	SM 4500-H+ B	8.62 HT	pH Units	1		6/17/2013
Bicarbonate (HCO3)	SM 2320B	370	mg/L	1	1.0	6/17/2013
Carbonate (CO3)	SM 2320B	13	mg/L	1	1.0	6/17/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/17/2013
Total Alkalinity	SM 2320B	320	mg/L as CaCO3	1	1.0	6/17/2013
Redox Potential	SM 2580B	-141	mV	1		6/18/2013
Total Nitrogen	Calc.	2.7	mg/L	1	0.10	6/20/2013
Total Cyanide	SM 4500CNC	0.18	mg/L	1	0.010	6/19/2013
Total Dissolved Solids (TDS)	SM 2540C	540	mg/L	1	10	6/18/2013
WAD Cyanide	SM 4500CNI	0.026	mg/L	1	0.010	6/19/2013
Electrical Conductivity	SM 2510B	760	µmhos/cm	1	1	6/21/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.12	mg/L	1	0.10	6/18/2013
Fluoride	EPA 300.0	0.77	mg/L	1	0.10	6/18/2013
Sulfate	EPA 300.0	88	mg/L	1	1.0	6/18/2013
Nitrate Nitrogen	EPA 300.0	1.7	mg/L	10	0.10	6/18/2013
Nitrite Nitrogen	EPA 300.0	0.22	mg/L	1	0.010	6/18/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.76	mg/L	1	0.10	6/20/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	3.0 M	mg/L	1	0.045	6/21/2013
Barium	EPA 200.7	0.040	mg/L	1	0.010	6/21/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/21/2013
Boron	EPA 200.7	0.028	mg/L	1	0.020	6/21/2013
Calcium	EPA 200.7	8.5	mg/L	1	0.500	6/21/2013
Cobalt	EPA 200.7	0.0022	mg/L	1	0.0020	6/21/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/21/2013
Iron	EPA 200.7	1.3	mg/L	1	0.010	6/21/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	6/24/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63301 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-001

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
Magnesium	EPA 200.7	0.49	mg/L	1	0.25	6/21/2013
Manganese	EPA 200.7	0.051	mg/L	1	0.0050	6/21/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/21/2013
Phosphorus	EPA 200.7	0.68	mg/L	1	0.50	6/21/2013
Potassium	EPA 200.7	3.9	mg/L	1	0.50	6/21/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	6/21/2013
Silicon	EPA 200.7	26 B	mg/L	1	0.10	6/21/2013
Sodium	EPA 200.7	160 SC	mg/L	1	0.50	6/21/2013
Strontium	EPA 200.7	0.11	mg/L	1	0.10	6/21/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/21/2013
Titanium	EPA 200.7	0.036	mg/L	1	0.0050	6/21/2013
Vanadium	EPA 200.7	0.018	mg/L	1	0.010	6/21/2013
Zinc	EPA 200.7	0.032	mg/L	1	0.010	6/21/2013

Trace Metals by ICP-MS

Mercury	EPA 200.8	ND	mg/L	10	0.0010	6/24/2013
Antimony	EPA 200.8	0.43 SC	mg/L	10	0.0050	6/24/2013
Arsenic	EPA 200.8	2.3 SC	mg/L	10	0.030	6/24/2013
Beryllium	EPA 200.8	ND	mg/L	10	0.0035	6/24/2013
Cadmium	EPA 200.8	ND M	mg/L	10	0.0090	6/24/2013
Chromium	EPA 200.8	ND	mg/L	10	0.010	6/24/2013
Copper	EPA 200.8	ND M	mg/L	10	0.025	6/24/2013
Lead	EPA 200.8	0.33 SC	mg/L	10	0.020	6/24/2013
Nickel	EPA 200.8	ND	mg/L	10	0.010	6/24/2013
Selenium	EPA 200.8	ND M	mg/L	10	0.020	6/24/2013
Silver	EPA 200.8	ND	mg/L	10	0.015	6/24/2013
Thallium	EPA 200.8	ND M	mg/L	10	0.0040	6/24/2013
Uranium	EPA 200.8	0.034	mg/L	10	0.0040	6/24/2013

Mercury by CVAA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	6/20/2013

Ion Balance

Anions	Calculation	8.50	meq/L	1	0.10	
Cations	Calculation	7.89	meq/L	1	0.10	
Error	Calculation	3.7	%	1	1.0	

Customer Sample ID: 63316 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-002

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	6/20/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.10	6/21/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	6/19/2013
pH	SM 4500-H+ B	8.72 HT	pH Units	1		6/17/2013
Bicarbonate (HCO3)	SM 2320B	290	mg/L	1	1.0	6/17/2013
Carbonate (CO3)	SM 2320B	14	mg/L	1	1.0	6/17/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/17/2013
Total Alkalinity	SM 2320B	260	mg/L as CaCO3	1	1.0	6/17/2013
Redox Potential	SM 2580B	-141	mV	1		6/18/2013
Total Nitrogen	Calc.	0.63	mg/L	1	0.10	6/20/2013
Total Cyanide	SM 4500CNC	0.045	mg/L	1	0.010	6/19/2013
Total Dissolved Solids (TDS)	SM 2540C	490	mg/L	1	10	6/18/2013
WAD Cyanide	SM 4500CNI	0.011	mg/L	1	0.010	6/19/2013
Electrical Conductivity	SM 2510B	700	µmhos/cm	1	1	6/21/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	6/18/2013
Fluoride	EPA 300.0	0.95	mg/L	1	0.10	6/18/2013
Sulfate	EPA 300.0	120	mg/L	1	1.0	6/18/2013
Nitrate Nitrogen	EPA 300.0	0.098	mg/L	1	0.010	6/18/2013
Nitrite Nitrogen	EPA 300.0	0.080	mg/L	1	0.010	6/18/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.45	mg/L	1	0.10	6/20/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.9	mg/L	1	0.045	6/21/2013
Barium	EPA 200.7	0.034	mg/L	1	0.010	6/21/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/21/2013
Boron	EPA 200.7	0.024	mg/L	1	0.020	6/21/2013
Calcium	EPA 200.7	7.4	mg/L	1	0.500	6/21/2013
Cobalt	EPA 200.7	0.0025	mg/L	1	0.0020	6/21/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/21/2013
Iron	EPA 200.7	1.6	mg/L	1	0.010	6/21/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	6/24/2013
Magnesium	EPA 200.7	0.36	mg/L	1	0.25	6/21/2013
Manganese	EPA 200.7	0.043	mg/L	1	0.0050	6/21/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/21/2013
Phosphorus	EPA 200.7	0.53	mg/L	1	0.50	6/21/2013
Potassium	EPA 200.7	3.4	mg/L	1	0.50	6/21/2013
Scandium	EPA 200.7	0.0012	mg/L	1	0.0010	6/21/2013
Silicon	EPA 200.7	26 B	mg/L	1	0.10	6/21/2013
Sodium	EPA 200.7	150	mg/L	1	0.50	6/21/2013
Strontium	EPA 200.7	0.075	mg/L	1	0.0020	6/21/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/21/2013
Titanium	EPA 200.7	0.042	mg/L	1	0.0050	6/21/2013
Vanadium	EPA 200.7	0.031	mg/L	1	0.010	6/21/2013
Zinc	EPA 200.7	0.052	mg/L	1	0.010	6/21/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63316 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-002

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>Trace Metals by ICP-MS</u>						
Mercury	EPA 200.8	ND	mg/L	10	0.0010	6/24/2013
Antimony	EPA 200.8	0.50	mg/L	10	0.0050	6/24/2013
Arsenic	EPA 200.8	2.3	mg/L	10	0.030	6/24/2013
Beryllium	EPA 200.8	ND	mg/L	10	0.0035	6/24/2013
Cadmium	EPA 200.8	ND	mg/L	10	0.0090	6/24/2013
Chromium	EPA 200.8	ND	mg/L	10	0.010	6/24/2013
Copper	EPA 200.8	ND	mg/L	10	0.025	6/24/2013
Lead	EPA 200.8	0.31	mg/L	10	0.020	6/24/2013
Nickel	EPA 200.8	ND	mg/L	10	0.010	6/24/2013
Selenium	EPA 200.8	ND	mg/L	10	0.020	6/24/2013
Silver	EPA 200.8	ND	mg/L	10	0.015	6/24/2013
Thallium	EPA 200.8	ND	mg/L	10	0.0040	6/24/2013
Uranium	EPA 200.8	0.030	mg/L	10	0.0040	6/24/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	0.00011	mg/L	1	0.00010	6/20/2013
<u>Ion Balance</u>						
Anions	Calculation	7.78	meq/L	1	0.10	
Cations	Calculation	7.39	meq/L	1	0.10	
Error	Calculation	2.5	%	1	1.0	

Customer Sample ID: 63322 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-003

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	2.4	mg/L	1	0.10	6/21/2013
Thiocyanate	SM 4500 CNM	2.1	mg/L	1	0.10	6/20/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	1.1	mg/L	1	0.050	6/19/2013
pH	SM 4500-H+ B	9.04 HT	pH Units	1		6/17/2013
Bicarbonate (HCO3)	SM 2320B	550	mg/L	1	1.0	6/17/2013
Carbonate (CO3)	SM 2320B	60	mg/L	1	1.0	6/17/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	6/17/2013
Total Alkalinity	SM 2320B	550	mg/L as CaCO3	1	1.0	6/17/2013
Redox Potential	SM 2580B	-218	mV	1		6/18/2013
Total Nitrogen	Calc.	13	mg/L	1	0.10	6/20/2013
Total Cyanide	SM 4500CNC	5.2	mg/L	50	0.50	6/19/2013
Total Dissolved Solids (TDS)	SM 2540C	770	mg/L	1	10	6/18/2013
WAD Cyanide	SM 4500CNI	6.4	mg/L	50	0.50	6/19/2013
Electrical Conductivity	SM 2510B	1200	µmhos/cm	1	1	6/21/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	7.3	mg/L	5	0.50	6/18/2013
Fluoride	EPA 300.0	0.88	mg/L	5	0.50	6/18/2013
Sulfate	EPA 300.0	53	mg/L	1	1.0	6/18/2013
Nitrate Nitrogen	EPA 300.0	0.28	mg/L	1	0.010	6/18/2013
Nitrite Nitrogen	EPA 300.0	6.5	mg/L	5	0.050	6/18/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	5.9	mg/L	1	0.10	6/20/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.4	mg/L	1	0.045	6/21/2013
Barium	EPA 200.7	0.055	mg/L	1	0.010	6/21/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	6/21/2013
Boron	EPA 200.7	0.12	mg/L	1	0.10	6/21/2013
Calcium	EPA 200.7	15	mg/L	1	0.500	6/21/2013
Cobalt	EPA 200.7	0.030	mg/L	1	0.010	6/21/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	6/21/2013
Iron	EPA 200.7	4.0	mg/L	1	0.010	6/21/2013
Lithium	EPA 200.7	0.077	mg/L	1	0.020	6/24/2013
Magnesium	EPA 200.7	2.8	mg/L	1	0.50	6/21/2013
Manganese	EPA 200.7	0.071	mg/L	1	0.0050	6/21/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	6/21/2013
Phosphorus	EPA 200.7	0.56	mg/L	1	0.50	6/21/2013
Potassium	EPA 200.7	4.8	mg/L	1	0.50	6/21/2013
Scandium	EPA 200.7	0.0010	mg/L	1	0.0010	6/21/2013
Silicon	EPA 200.7	19 B	mg/L	1	0.10	6/21/2013
Sodium	EPA 200.7	270	mg/L	1	0.50	6/21/2013
Strontium	EPA 200.7	0.21	mg/L	1	0.10	6/21/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	6/21/2013
Titanium	EPA 200.7	0.046	mg/L	1	0.0050	6/21/2013
Vanadium	EPA 200.7	0.024	mg/L	1	0.010	6/21/2013
Zinc	EPA 200.7	0.53	mg/L	1	0.010	6/21/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63322 17 June 13

Collect Date/Time: 6/17/2013 14:30

WETLAB Sample ID: 1306373-003

Receive Date: 6/17/2013 15:07

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>Trace Metals by ICP-MS</u>						
Mercury	EPA 200.8	ND	mg/L	10	0.0010	6/24/2013
Antimony	EPA 200.8	0.29	mg/L	10	0.0050	6/24/2013
Arsenic	EPA 200.8	2.5	mg/L	10	0.030	6/24/2013
Beryllium	EPA 200.8	ND	mg/L	10	0.0035	6/24/2013
Cadmium	EPA 200.8	ND	mg/L	10	0.0090	6/24/2013
Chromium	EPA 200.8	0.024	mg/L	10	0.010	6/24/2013
Copper	EPA 200.8	3.4	mg/L	10	0.025	6/24/2013
Lead	EPA 200.8	0.23	mg/L	10	0.020	6/24/2013
Nickel	EPA 200.8	0.69	mg/L	10	0.010	6/24/2013
Selenium	EPA 200.8	ND	mg/L	10	0.020	6/24/2013
Silver	EPA 200.8	0.024	mg/L	10	0.015	6/24/2013
Thallium	EPA 200.8	ND	mg/L	10	0.0040	6/24/2013
Uranium	EPA 200.8	0.071	mg/L	10	0.0040	6/24/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	0.00035	mg/L	1	0.00010	6/20/2013
<u>Ion Balance</u>						
Anions	Calculation	12.6	meq/L	1	0.10	
Cations	Calculation	13.5	meq/L	1	0.10	
Error	Calculation	3.4	%	1	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13060714	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060714	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060715	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13060715	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13060717	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13060717	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13060717	Blank 3	Fluoride	EPA 300.0	ND	mg/L
QC13060719	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13060719	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13060719	Blank 3	Chloride	EPA 300.0	ND	mg/L
QC13060721	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060721	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13060723	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13060723	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13060723	Blank 3	Sulfate	EPA 300.0	ND	mg/L
QC13060749	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060749	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060749	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13060751	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060751	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060751	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13060753	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13060753	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13060819	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13060819	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13060829	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13060829	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13060875	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13060888	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	0.25	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC13060929	Blank 1	Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
		Mercury	EPA 200.8	ND	mg/L
		Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L
QC13060949	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060949	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060949	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13060967	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13060967	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13060969	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13060969	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13060714	LCS 1	Nitrite Nitrogen	EPA 300.0	0.543	0.500	109	mg/L
QC13060715	LCS 1	Nitrate Nitrogen	EPA 300.0	0.530	0.500	106	mg/L
QC13060717	LCS 1	Fluoride	EPA 300.0	1.88	2.00	94	mg/L
QC13060719	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC13060721	LCS 1	Nitrite Nitrogen	EPA 300.0	0.496	0.500	99	mg/L
QC13060723	LCS 1	Sulfate	EPA 300.0	24.6	25.0	98	mg/L
QC13060725	LCS 1	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13060725	LCS 2	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13060725	LCS 3	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13060725	LCS 4	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13060725	LCS 5	pH	SM 4500-H+ B	7.01	7.00	100	pH Units
QC13060728	LCS 1	Total Alkalinity	SM 2320B	98.6	100	99	mg/L
QC13060728	LCS 2	Total Alkalinity	SM 2320B	98.4	100	98	mg/L
QC13060728	LCS 3	Total Alkalinity	SM 2320B	98.9	100	99	mg/L
QC13060728	LCS 4	Total Alkalinity	SM 2320B	98.8	100	99	mg/L
QC13060728	LCS 5	Total Alkalinity	SM 2320B	98.8	100	99	mg/L
QC13060728	LCS 6	Total Alkalinity	SM 2320B	96.7	100	97	mg/L
QC13060728	LCS 7	Total Alkalinity	SM 2320B	98.2	100	98	mg/L
QC13060749	LCS 1	WAD Cyanide	SM 4500CNI	0.094	0.100	94	mg/L
QC13060751	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.894	1.00	89	mg/L
QC13060753	LCS 1	Total Cyanide	SM 4500CNC	0.096	0.100	96	mg/L
QC13060756	LCS 1	Redox Potential	SM 2580B	220	221	100	mV
QC13060819	LCS 1	Mercury	EPA 245.1	0.004830	0.005	97	mg/L
QC13060829	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.637	0.690	92	mg/L
QC13060875	LCS 1	Electrical Conductivity	SM 2510B	1383	1412	98	µmhos/cm
QC13060888	LCS 1	Aluminum	EPA 200.7	1.03	1.00	103	mg/L
		Barium	EPA 200.7	0.978	1.00	98	mg/L

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QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13060929	LCS 1	Bismuth	EPA 200.7	1.02	1.00	102	mg/L
		Boron	EPA 200.7	0.934	1.00	93	mg/L
		Calcium	EPA 200.7	9.83	10.0	98	mg/L
		Cobalt	EPA 200.7	0.976	1.00	98	mg/L
		Gallium	EPA 200.7	1.02	1.00	102	mg/L
		Iron	EPA 200.7	0.940	1.00	94	mg/L
		Lithium	EPA 200.7	0.967	1.00	97	mg/L
		Magnesium	EPA 200.7	8.81	10.0	88	mg/L
		Manganese	EPA 200.7	0.968	1.00	97	mg/L
		Molybdenum	EPA 200.7	0.963	1.00	96	mg/L
		Phosphorus	EPA 200.7	5.08	5.00	102	mg/L
		Potassium	EPA 200.7	9.96	10.0	100	mg/L
		Scandium	EPA 200.7	0.958	1.00	96	mg/L
		Silicon	EPA 200.7	9.05	10.0	90	mg/L
		Sodium	EPA 200.7	9.46	10.0	95	mg/L
		Strontium	EPA 200.7	0.973	1.00	97	mg/L
		Tin	EPA 200.7	0.974	1.00	97	mg/L
		Titanium	EPA 200.7	0.941	1.00	94	mg/L
		Vanadium	EPA 200.7	0.955	1.00	96	mg/L
		Zinc	EPA 200.7	1.02	1.00	102	mg/L
		Mercury	EPA 200.8	0.000889	0.001	89	mg/L
		Antimony	EPA 200.8	0.0090	0.010	90	mg/L
		Arsenic	EPA 200.8	0.0480	0.050	96	mg/L
		Beryllium	EPA 200.8	0.0097	0.010	97	mg/L
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L
		Chromium	EPA 200.8	0.0100	0.010	100	mg/L
		Copper	EPA 200.8	0.0093	0.010	93	mg/L
		Lead	EPA 200.8	0.0091	0.010	91	mg/L
		Nickel	EPA 200.8	0.0097	0.010	97	mg/L
		Selenium	EPA 200.8	0.0465	0.050	93	mg/L
		Silver	EPA 200.8	0.0093	0.010	93	mg/L
		Thallium	EPA 200.8	0.0089	0.010	89	mg/L
		Uranium	EPA 200.8	0.0092	0.010	92	mg/L
QC13060949	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L
QC13060949	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	160	150	107	mg/L
QC13060949	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L
QC13060969	LCS 1	Cyanate	SM 4500 CNL	1.01	1.00	101	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-001	8.00	7.99	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-006	7.94	7.91	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-016	8.04	8.06	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306373-001	8.62	8.63	HT pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-018	8.38	8.46	pH Units	1 %
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-019	8.03	8.05	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-020	8.20	8.22	pH Units	<1%
QC13060725	Duplicate	pH	SM 4500-H+ B	1306348-021	8.10	8.09	pH Units	<1%
QC13060728	Duplicate	Bicarbonate (HCO3)	SM 2320B	1306348-001	124	124	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-001	ND	ND	mg/L	<1%

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QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-001	102	101	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-006	123	123	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-006	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-006	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-006	101	101	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-016	117	117	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-016	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-016	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-016	95.9	95.8	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306373-001	366	367	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306373-001	13.0	13.1	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306373-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306373-001	322	323	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-018	107	104	mg/L	3 %
		Carbonate (CO3)	SM 2320B	1306348-018	ND	2.73	Q mg/L	96 %
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-018	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-018	89.2	89.5	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-019	129	130	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-019	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-019	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-019	106	106	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1306348-020	121	120	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1306348-020	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-020	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-020	99.0	98.2	mg/L as CaCO3	1 %
		Bicarbonate (HCO3)	SM 2320B	1306348-021	127	127	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1306348-021	ND	ND	mg/L	<1%
QC13060728	Duplicate	Hydroxide (OH)	SM 2320B	1306348-021	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1306348-021	104	104	mg/L as CaCO3	<1%
		Redox Potential	SM 2580B	1306364-002	ND	ND	mV	<1%
		Redox Potential	SM 2580B	1306364-011	53.8	49.5	mV	8 %
QC13060875	Duplicate	Electrical Conductivity	SM 2510B	1306373-001	763	761	µmhos/cm	<1%
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306196-001	276	273	mg/L	1 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306196-009	416	402	mg/L	3 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306196-020	272	259	mg/L	5 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306230-007	49.0	48.0	mg/L	2 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306236-001	252	255	mg/L	1 %
QC13060949	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306279-001	1056	1047	mg/L	1 %
QC13060969	Duplicate	Cyanate	SM 4500 CNL	1306373-001	ND	ND	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Spike	Sample	MS	MSD	Spike	MS %	MSD %	RPD

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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				Sample	Result	Result	Result	Value	Det	Det	
QC13060714	MS 1	Nitrite Nitrogen	EPA 300.0	1306373-001	0.220	0.513	0.494	0.500 mg/L	87	83	4 %
QC13060715	MS 1	Nitrate Nitrogen	EPA 300.0	1306373-001	1.74	6.69	6.75	0.500 mg/L	99	100	1 %
QC13060717	MS 1	Fluoride	EPA 300.0	1306374-002	ND	1.99	1.92	2.00 mg/L	99	95	4 %
QC13060717	MS 2	Fluoride	EPA 300.0	1306382-001	ND	1.82	1.84	2.00 mg/L	87	88	1 %
QC13060719	MS 1	Chloride	EPA 300.0	1306374-002	1.24	6.67	6.76	5.00 mg/L	108	110	1 %
QC13060719	MS 2	Chloride	EPA 300.0	1306382-001	1.30	6.62	6.70	5.00 mg/L	106	108	1 %
QC13060721	MS 1	Nitrite Nitrogen	EPA 300.0	1306374-002	ND	0.496	0.504	0.500 mg/L	99	101	2 %
QC13060723	MS 1	Sulfate	EPA 300.0	1306374-002	ND	10.0	10.1	10.0 mg/L	99	100	1 %
QC13060723	MS 2	Sulfate	EPA 300.0	1306382-001	1.71	11.4	11.6	10.0 mg/L	97	99	2 %
QC13060749	MS 1	WAD Cyanide	SM 4500CNI	1306373-001	0.026	0.134	0.126	0.100 mg/L	109	100	6 %
QC13060749	MS 2	WAD Cyanide	SM 4500CNI	1306373-002	0.011	0.093	0.104	0.100 mg/L	93	104	11 %
QC13060751	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1306334-002	0.094	1.15	1.17	1.00 mg/L	106	107	2 %
QC13060751	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1306373-001	0.056	1.04	1.03	1.00 mg/L	99	97	1 %
QC13060753	MS 1	Total Cyanide	SM 4500CNC	1306373-001	0.184	0.280	0.287	0.100 mg/L	96	103	2 %
QC13060819	MS 1	Mercury	EPA 245.1	1306101-001	ND	0.004970	0.004950	0.005 mg/L	99	99	<1%
QC13060829	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1306196-021	1.94	M 2.51	2.97	0.690 mg/L	NC	NC	NC
QC13060888	MS 1	Aluminum	EPA 200.7	1306373-001	2.99	M 4.40	4.32	1.00 mg/L	NC	NC	NC
		Barium	EPA 200.7	1306373-001	0.040	1.01	1.01	1.00 mg/L	97	97	<1%
		Bismuth	EPA 200.7	1306373-001	ND	1.02	1.04	1.00 mg/L	101	103	2 %
		Boron	EPA 200.7	1306373-001	0.028	1.02	1.02	1.00 mg/L	99	99	<1%
		Calcium	EPA 200.7	1306373-001	8.50	18.5	18.4	10.0 mg/L	100	99	1 %
		Cobalt	EPA 200.7	1306373-001	0.002	0.969	0.977	1.00 mg/L	97	97	1 %
		Gallium	EPA 200.7	1306373-001	ND	0.920	0.920	1.00 mg/L	92	92	<1%
		Iron	EPA 200.7	1306373-001	1.30	2.41	2.42	1.00 mg/L	111	112	<1%
		Lithium	EPA 200.7	1306373-001	ND	0.999	0.966	1.00 mg/L	99	96	3 %
		Magnesium	EPA 200.7	1306373-001	0.489	9.57	9.75	10.0 mg/L	91	93	2 %
		Manganese	EPA 200.7	1306373-001	0.051	1.01	1.02	1.00 mg/L	96	97	1 %
		Molybdenum	EPA 200.7	1306373-001	ND	0.978	0.990	1.00 mg/L	97	99	1 %
		Phosphorus	EPA 200.7	1306373-001	0.679	5.94	6.06	5.00 mg/L	105	108	2 %
		Potassium	EPA 200.7	1306373-001	3.93	13.7	13.6	10.0 mg/L	98	97	1 %
		Scandium	EPA 200.7	1306373-001	ND	0.954	0.953	1.00 mg/L	95	95	<1%
		Silicon	EPA 200.7	1306373-001	26.0	B 38.7	37.8	10.0 mg/L	127	118	2 %
		Sodium	EPA 200.7	1306373-001	163	SC 184	176	10.0 mg/L	NC	NC	NC
		Strontium	EPA 200.7	1306373-001	0.109	1.06	1.06	1.00 mg/L	95	95	<1%
		Tin	EPA 200.7	1306373-001	ND	1.00	1.03	1.00 mg/L	100	103	3 %
		Titanium	EPA 200.7	1306373-001	0.036	0.990	0.993	1.00 mg/L	95	96	<1%
		Vanadium	EPA 200.7	1306373-001	0.018	0.981	0.983	1.00 mg/L	96	96	<1%
		Zinc	EPA 200.7	1306373-001	0.032	1.11	1.14	1.00 mg/L	108	111	3 %
QC13060929	MS 1	Mercury	EPA 200.8	1306373-001	ND	0.0008	0.0009	0.001 mg/L	70	80	12 %
		Antimony	EPA 200.8	1306373-001	0.4266	SC 0.4222	0.4412	0.010 mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1306373-001	2.2738	SC 2.2656	2.3830	0.050 mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1306373-001	ND	0.0096	0.0101	0.010 mg/L	93	98	5 %
		Cadmium	EPA 200.8	1306373-001	ND	M 0.0059	0.007	0.010 mg/L	NC	NC	NC
		Chromium	EPA 200.8	1306373-001	ND	0.0124	0.0125	0.010 mg/L	86	87	1 %
		Copper	EPA 200.8	1306373-001	ND	M 0.0376	0.0321	0.010 mg/L	NC	NC	NC
		Lead	EPA 200.8	1306373-001	0.3300	SC 0.3193	0.3403	0.010 mg/L	NC	NC	NC
		Nickel	EPA 200.8	1306373-001	ND	0.0127	0.0129	0.010 mg/L	102	104	2 %
		Selenium	EPA 200.8	1306373-001	ND	M 0.0325	0.0415	0.050 mg/L	NC	NC	NC
		Silver	EPA 200.8	1306373-001	ND	0.0083	0.0083	0.010 mg/L	72	72	<1%
		Thallium	EPA 200.8	1306373-001	ND	M 0.0069	0.0074	0.010 mg/L	NC	NC	NC
		Uranium	EPA 200.8	1306373-001	0.0345	0.0428	0.0452	0.010 mg/L	83	107	5 %
QC13060967	MS 1	Thiocyanate	SM 4500 CN	1306373-001	0.133	0.964	0.944	1.00 mg/L	83	81	2 %

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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7/15/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1307018

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 7/1/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1307018

General Comments

The results for Copper by EPA 200.8 and Thiocyanate by SM4500 CNM on sample 1307018-003 were higher than expected compared to historical data. However, reanalysis confirmed the original results.

Specific Comments

Due to the sample matrix it was necessary to analyze the following at a dilution:
1307018-001 thru 003 Fluoride
The reporting limits have been adjusted accordingly.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: 42862 / Eagle Gold

Date Printed: 7/15/2013

OrderID: 1307018

Customer Sample ID: 63301 1 July 13

Collect Date/Time: 7/1/2013 13:30

WETLAB Sample ID: 1307018-001

Receive Date: 7/1/2013 13:55

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Cyanate	SM 4500 CNL	0.06 Q	mg/L	1	0.050	7/6/2013
Thiocyanate	SM 4500 CNM	0.21	mg/L	1	0.10	7/5/2013
Temperature at pH	NA	26.3	°C	1		7/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	7/2/2013
pH	SM 4500-H+ B	8.60 HT	pH Units	1		7/1/2013
Bicarbonate (HCO3)	SM 2320B	310	mg/L	1	1.0	7/1/2013
Carbonate (CO3)	SM 2320B	13	mg/L	1	1.0	7/1/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	7/1/2013
Total Alkalinity	SM 2320B	280	mg/L as CaCO3	1	1.0	7/1/2013
Redox Potential	SM 2580B	-85	mV	1		7/2/2013
Total Nitrogen	Calc.	1.8	mg/L	1	0.10	7/5/2013
Total Cyanide	SM 4500CNC	0.17	mg/L	1	0.010	7/5/2013
Total Dissolved Solids (TDS)	SM 2540C	480	mg/L	1	10	7/3/2013
WAD Cyanide	SM 4500CNI	0.021	mg/L	1	0.010	7/5/2013
Electrical Conductivity	SM 2510B	640	µmhos/cm	1	1	7/9/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.32	mg/L	1	0.10	7/2/2013
Fluoride	EPA 300.0	ND	mg/L	10	1.0	7/2/2013
Sulfate	EPA 300.0	60	mg/L	10	10	7/2/2013
Nitrate Nitrogen	EPA 300.0	0.69	mg/L	1	0.010	7/2/2013
Nitrite Nitrogen	EPA 300.0	0.19	mg/L	1	0.010	7/2/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.90	mg/L	1	0.10	7/5/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.9	mg/L	1	0.045	7/9/2013
Barium	EPA 200.7	0.036	mg/L	1	0.010	7/9/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	7/9/2013
Boron	EPA 200.7	0.027	mg/L	1	0.020	7/9/2013
Calcium	EPA 200.7	7.2	mg/L	1	0.500	7/9/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	7/9/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	7/9/2013
Iron	EPA 200.7	1.4	mg/L	1	0.010	7/9/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63301 1 July 13

Collect Date/Time: 7/1/2013 13:30

WETLAB Sample ID: 1307018-001

Receive Date: 7/1/2013 13:55

Analyte	Method	Results	Units	DF	RL	Analyzed
Lithium	EPA 200.7	ND	mg/L	1	0.020	7/9/2013
Magnesium	EPA 200.7	0.48	mg/L	1	0.25	7/9/2013
Manganese	EPA 200.7	0.044	mg/L	1	0.0050	7/9/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	7/9/2013
Phosphorus	EPA 200.7	0.68	mg/L	1	0.50	7/9/2013
Potassium	EPA 200.7	4.1	mg/L	1	0.50	7/9/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	7/9/2013
Silicon	EPA 200.7	28	mg/L	1	0.10	7/9/2013
Sodium	EPA 200.7	150 SC	mg/L	1	0.50	7/9/2013
Strontium	EPA 200.7	0.089	mg/L	1	0.0020	7/9/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	7/9/2013
Titanium	EPA 200.7	0.042	mg/L	1	0.0050	7/9/2013
Vanadium	EPA 200.7	0.030	mg/L	1	0.010	7/9/2013
Zinc	EPA 200.7	0.030	mg/L	1	0.010	7/9/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.59 SC	mg/L	20	0.010	7/9/2013
Arsenic	EPA 200.8	2.6 SC	mg/L	20	0.060	7/9/2013
Beryllium	EPA 200.8	0.0004	mg/L	1	0.00035	7/9/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	7/9/2013
Chromium	EPA 200.8	0.0016	mg/L	1	0.0010	7/9/2013
Copper	EPA 200.8	0.010	mg/L	1	0.0025	7/9/2013
Lead	EPA 200.8	0.28 SC	mg/L	20	0.040	7/9/2013
Nickel	EPA 200.8	0.0028	mg/L	1	0.0010	7/9/2013
Selenium	EPA 200.8	0.010	mg/L	1	0.0020	7/9/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	7/9/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	7/9/2013
Uranium	EPA 200.8	0.027	mg/L	1	0.00040	7/9/2013

Mercury by CVAA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	7/2/2013

Ion Balance

Anions	Calculation	6.82	meq/L	1	0.10	
Cations	Calculation	7.39	meq/L	1	0.10	
Error	Calculation	4.0	%	1	1.0	

Customer Sample ID: 63316 1 July 13

Collect Date/Time: 7/1/2013 13:30

WETLAB Sample ID: 1307018-002

Receive Date: 7/1/2013 13:55

Analyte	Method	Results	Units	DF	RL	Analyzed
Cyanate	SM 4500 CNL	0.06	mg/L	1	0.050	7/6/2013
Thiocyanate	SM 4500 CNM	0.27	mg/L	1	0.10	7/5/2013
Temperature at pH	NA	25.5	°C	1		7/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	7/2/2013
pH	SM 4500-H+ B	8.67 HT	pH Units	1		7/1/2013
Bicarbonate (HCO3)	SM 2320B	280	mg/L	1	1.0	7/1/2013
Carbonate (CO3)	SM 2320B	15	mg/L	1	1.0	7/1/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63316 1 July 13

Collect Date/Time: 7/1/2013 13:30

WETLAB Sample ID: 1307018-002

Receive Date: 7/1/2013 13:55

Analyte	Method	Results	Units	DF	RL	Analyzed
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	7/1/2013
Total Alkalinity	SM 2320B	260	mg/L as CaCO ₃	1	1.0	7/1/2013
Redox Potential	SM 2580B	-81	mV	1		7/2/2013
Total Nitrogen	Calc.	0.78	mg/L	1	0.10	7/5/2013
Total Cyanide	SM 4500CNC	0.053	mg/L	1	0.010	7/5/2013
Total Dissolved Solids (TDS)	SM 2540C	480	mg/L	1	10	7/3/2013
WAD Cyanide	SM 4500CNI	0.018	mg/L	1	0.010	7/5/2013
Electrical Conductivity	SM 2510B	650	µmhos/cm	1	1	7/9/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	0.35	mg/L	1	0.10	7/2/2013
Fluoride	EPA 300.0	ND	mg/L	10	1.0	7/2/2013
Sulfate	EPA 300.0	79	mg/L	10	10	7/2/2013
Nitrate Nitrogen	EPA 300.0	0.089	mg/L	1	0.010	7/2/2013
Nitrite Nitrogen	EPA 300.0	0.16	mg/L	1	0.010	7/2/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.54	mg/L	1	0.10	7/5/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	2.6	mg/L	1	0.045	7/9/2013
Barium	EPA 200.7	0.032	mg/L	1	0.010	7/9/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	7/9/2013
Boron	EPA 200.7	0.025	mg/L	1	0.020	7/9/2013
Calcium	EPA 200.7	7.1	mg/L	1	0.500	7/9/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	7/9/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	7/9/2013
Iron	EPA 200.7	1.5	mg/L	1	0.010	7/9/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	7/9/2013
Magnesium	EPA 200.7	0.38	mg/L	1	0.25	7/9/2013
Manganese	EPA 200.7	0.043	mg/L	1	0.0050	7/9/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	7/9/2013
Phosphorus	EPA 200.7	0.50	mg/L	1	0.50	7/9/2013
Potassium	EPA 200.7	3.5	mg/L	1	0.50	7/9/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	7/9/2013
Silicon	EPA 200.7	26	mg/L	1	0.10	7/9/2013
Sodium	EPA 200.7	140	mg/L	1	0.50	7/9/2013
Strontium	EPA 200.7	0.068	mg/L	1	0.0020	7/9/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	7/9/2013
Titanium	EPA 200.7	0.037	mg/L	1	0.0050	7/9/2013
Vanadium	EPA 200.7	0.034	mg/L	1	0.010	7/9/2013
Zinc	EPA 200.7	0.054	mg/L	1	0.010	7/9/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.54	mg/L	20	0.010	7/9/2013
Arsenic	EPA 200.8	2.5	mg/L	20	0.060	7/9/2013
Beryllium	EPA 200.8	0.0004	mg/L	1	0.00035	7/9/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	7/9/2013
Chromium	EPA 200.8	0.0019	mg/L	1	0.0010	7/9/2013
Copper	EPA 200.8	0.031	mg/L	1	0.0025	7/9/2013
Lead	EPA 200.8	0.28	mg/L	20	0.040	7/9/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 1 July 13

Collect Date/Time: 7/1/2013 13:30

WETLAB Sample ID: 1307018-002

Receive Date: 7/1/2013 13:55

Analyte	Method	Results	Units	DF	RL	Analyzed
Nickel	EPA 200.8	0.0039	mg/L	1	0.0010	7/9/2013
Selenium	EPA 200.8	0.0098	mg/L	1	0.0020	7/9/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	7/9/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	7/9/2013
Uranium	EPA 200.8	0.028	mg/L	1	0.00040	7/9/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	0.00014	mg/L	1	0.00010	7/2/2013
<u>Ion Balance</u>						
Anions	Calculation	6.75	meq/L	1	0.10	
Cations	Calculation	6.91	meq/L	1	0.10	
Error	Calculation	1.1	%	1	1.0	

Customer Sample ID: 63322 1 July 13

Collect Date/Time: 7/1/2013 13:30

WETLAB Sample ID: 1307018-003

Receive Date: 7/1/2013 13:55

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Thiocyanate	SM 4500 CNM	1.7	mg/L	1	0.10	7/5/2013
Cyanate	SM 4500 CNL	0.22	mg/L	1	0.050	7/6/2013
Temperature at pH	NA	25.8	°C	1		7/1/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.16	mg/L	1	0.050	7/3/2013
pH	SM 4500-H+ B	8.49	pH Units	1		7/1/2013
Bicarbonate (HCO3)	SM 2320B	380	mg/L	1	1.0	7/1/2013
Carbonate (CO3)	SM 2320B	8.4	mg/L	1	1.0	7/1/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	7/1/2013
Total Alkalinity	SM 2320B	320	mg/L as CaCO3	1	1.0	7/1/2013
Redox Potential	SM 2580B	-260	mV	1		7/2/2013
Total Nitrogen	Calc.	3.5	mg/L	1	0.10	7/5/2013
Total Cyanide	SM 4500CNC	2.2	mg/L	25	0.25	7/5/2013
Total Dissolved Solids (TDS)	SM 2540C	420	mg/L	1	10	7/3/2013
WAD Cyanide	SM 4500CNI	1.3	mg/L	25	0.25	7/5/2013
Electrical Conductivity	SM 2510B	630	µmhos/cm	1	1	7/9/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	0.30	mg/L	1	0.10	7/2/2013
Fluoride	EPA 300.0	ND	mg/L	10	1.0	7/2/2013
Sulfate	EPA 300.0	17	mg/L	10	10	7/2/2013
Nitrate Nitrogen	EPA 300.0	0.086	mg/L	1	0.010	7/2/2013
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.010	7/2/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	3.4	mg/L	1	0.10	7/5/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	0.94	mg/L	1	0.045	7/9/2013
Barium	EPA 200.7	0.016	mg/L	1	0.010	7/9/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	7/9/2013
Boron	EPA 200.7	0.029	mg/L	1	0.020	7/9/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 1 July 13

Collect Date/Time: 7/1/2013 13:30

WETLAB Sample ID: 1307018-003

Receive Date: 7/1/2013 13:55

Analyte	Method	Results	Units	DF	RL	Analyzed
Calcium	EPA 200.7	5.1	mg/L	1	0.500	7/9/2013
Cobalt	EPA 200.7	0.028	mg/L	1	0.010	7/9/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	7/9/2013
Iron	EPA 200.7	0.52	mg/L	1	0.010	7/9/2013
Lithium	EPA 200.7	0.034	mg/L	1	0.020	7/9/2013
Magnesium	EPA 200.7	0.46	mg/L	1	0.25	7/9/2013
Manganese	EPA 200.7	0.018	mg/L	1	0.0050	7/9/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	7/9/2013
Phosphorus	EPA 200.7	0.33	mg/L	1	0.10	7/9/2013
Potassium	EPA 200.7	2.9	mg/L	1	0.50	7/9/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	7/9/2013
Silicon	EPA 200.7	14	mg/L	1	0.10	7/9/2013
Sodium	EPA 200.7	140	mg/L	1	0.50	7/9/2013
Strontium	EPA 200.7	0.063	mg/L	1	0.0020	7/9/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	7/9/2013
Titanium	EPA 200.7	0.027	mg/L	1	0.0050	7/9/2013
Vanadium	EPA 200.7	0.011	mg/L	1	0.010	7/9/2013
Zinc	EPA 200.7	0.025	mg/L	1	0.010	7/9/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.18	mg/L	20	0.010	7/9/2013
Arsenic	EPA 200.8	1.1	mg/L	20	0.060	7/9/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	7/9/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	7/9/2013
Chromium	EPA 200.8	0.0014	mg/L	1	0.0010	7/9/2013
Copper	EPA 200.8	3.4	mg/L	20	0.050	7/9/2013
Lead	EPA 200.8	0.12	mg/L	20	0.040	7/9/2013
Nickel	EPA 200.8	0.12	mg/L	20	0.020	7/9/2013
Selenium	EPA 200.8	0.0075	mg/L	1	0.0020	7/9/2013
Silver	EPA 200.8	0.012	mg/L	1	0.0015	7/9/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	7/9/2013
Uranium	EPA 200.8	0.039	mg/L	1	0.00040	7/9/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	0.00014	mg/L	1	0.00010	7/2/2013
<u>Ion Balance</u>						
Anions	Calculation	6.93	meq/L	1	0.10	
Cations	Calculation	6.67	meq/L	1	0.10	
Error	Calculation	1.9	%	1	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13070109	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13070109	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13070109	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13070114	Blank 1	Mercury, Dissolved	EPA 245.1	ND	mg/L
QC13070114	Blank 2	Mercury, Dissolved	EPA 245.1	ND	mg/L
QC13070147	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13070147	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13070148	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13070148	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13070149	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13070149	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13070150	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13070150	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13070150	Blank 3	Fluoride	EPA 300.0	ND	mg/L
QC13070155	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13070155	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13070155	Blank 3	Sulfate	EPA 300.0	ND	mg/L
QC13070176	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13070176	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13070176	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13070176	Blank 4	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13070176	Blank 5	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13070220	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13070220	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13070221	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13070221	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13070242	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13070242	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13070271	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13070271	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L
QC13070272	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13070272	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13070297	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13070297	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13070297	Blank 3	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13070297	Blank 4	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13070336	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13070336	Blank 2	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13070336	Blank 3	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13070338	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC13070342	Blank 1	Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
		Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13070093	LCS 1	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC13070093	LCS 2	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC13070093	LCS 3	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC13070098	LCS 1	Total Alkalinity	SM 2320B	96.8	100	97	mg/L
QC13070098	LCS 2	Total Alkalinity	SM 2320B	98.0	100	98	mg/L
QC13070098	LCS 3	Total Alkalinity	SM 2320B	97.8	100	98	mg/L
QC13070098	LCS 4	Total Alkalinity	SM 2320B	98.4	100	98	mg/L
QC13070098	LCS 5	Total Alkalinity	SM 2320B	96.6	100	97	mg/L
QC13070103	LCS 1	Redox Potential	SM 2580B	220	221	99	mV
QC13070109	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.877	1.00	88	mg/L
QC13070114	LCS 1	Mercury	EPA 245.1	0.004800	0.005	96	mg/L
QC13070147	LCS 1	Chloride	EPA 300.0	10.0	10.0	100	mg/L
QC13070148	LCS 1	Nitrite Nitrogen	EPA 300.0	0.540	0.500	108	mg/L
QC13070149	LCS 1	Nitrate Nitrogen	EPA 300.0	0.521	0.500	104	mg/L
QC13070150	LCS 1	Fluoride	EPA 300.0	2.03	2.00	102	mg/L
QC13070155	LCS 1	Sulfate	EPA 300.0	25.6	25.0	102	mg/L
QC13070176	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.843	1.00	84	mg/L
QC13070176	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.889	1.00	89	mg/L
QC13070176	LCS 3	Ammonia, as Nitrogen	SM 4500 NH3 D	0.980	1.00	98	mg/L
QC13070220	LCS 1	WAD Cyanide	SM 4500CNI	0.090	0.100	89	mg/L
QC13070221	LCS 1	Total Cyanide	SM 4500CNC	0.095	0.100	95	mg/L
QC13070242	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.682	0.690	99	mg/L
QC13070271	LCS 1	Cyanate	SM 4500 CNL	0.968	1.00	97	mg/L
QC13070297	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	143	150	95	mg/L

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3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13070297	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	139	150	92	mg/L
QC13070297	LCS 3	Total Dissolved Solids (TDS)	SM 2540C	136	150	91	mg/L
QC13070297	LCS 4	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L
QC13070336	LCS 1	Electrical Conductivity	SM 2510B	1323	1412	94	µmhos/cm
QC13070336	LCS 2	Electrical Conductivity	SM 2510B	1352	1412	96	µmhos/cm
QC13070338	LCS 1	Aluminum	EPA 200.7	1.03	1.00	103	mg/L
		Barium	EPA 200.7	1.00	1.00	100	mg/L
		Bismuth	EPA 200.7	1.02	1.00	102	mg/L
		Boron	EPA 200.7	0.962	1.00	96	mg/L
		Calcium	EPA 200.7	9.71	10.0	97	mg/L
		Cobalt	EPA 200.7	0.993	1.00	99	mg/L
		Gallium	EPA 200.7	1.00	1.00	100	mg/L
		Iron	EPA 200.7	0.986	1.00	99	mg/L
		Lithium	EPA 200.7	0.930	1.00	93	mg/L
		Magnesium	EPA 200.7	10.0	10.0	100	mg/L
		Manganese	EPA 200.7	0.994	1.00	99	mg/L
		Molybdenum	EPA 200.7	0.980	1.00	98	mg/L
		Phosphorus	EPA 200.7	5.06	5.00	101	mg/L
		Potassium	EPA 200.7	10.0	10.0	100	mg/L
		Scandium	EPA 200.7	0.974	1.00	97	mg/L
		Silicon	EPA 200.7	9.51	10.0	95	mg/L
		Sodium	EPA 200.7	9.82	10.0	98	mg/L
		Strontium	EPA 200.7	0.970	1.00	97	mg/L
		Tin	EPA 200.7	0.981	1.00	98	mg/L
		Titanium	EPA 200.7	0.983	1.00	98	mg/L
		Vanadium	EPA 200.7	0.990	1.00	99	mg/L
		Zinc	EPA 200.7	1.00	1.00	100	mg/L
QC13070342	LCS 1	Antimony	EPA 200.8	0.0097	0.010	97	mg/L
		Arsenic	EPA 200.8	0.0492	0.050	98	mg/L
		Beryllium	EPA 200.8	0.0096	0.010	96	mg/L
		Cadmium	EPA 200.8	0.0105	0.010	105	mg/L
		Chromium	EPA 200.8	0.0096	0.010	96	mg/L
		Copper	EPA 200.8	0.0099	0.010	99	mg/L
		Lead	EPA 200.8	0.0099	0.010	99	mg/L
		Nickel	EPA 200.8	0.0099	0.010	99	mg/L
		Selenium	EPA 200.8	0.0478	0.050	96	mg/L
		Silver	EPA 200.8	0.0102	0.010	102	mg/L
		Thallium	EPA 200.8	0.0098	0.010	98	mg/L
		Uranium	EPA 200.8	0.0099	0.010	99	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13070093	Duplicate	pH	SM 4500-H+ B	1307007-003	7.63	7.61	HT	pH Units <1%
QC13070093	Duplicate	pH	SM 4500-H+ B	1307018-001	8.60	8.61	HT	pH Units <1%
QC13070093	Duplicate	pH	SM 4500-H+ B	1307018-002	8.67	8.68	HT	pH Units <1%
QC13070093	Duplicate	pH	SM 4500-H+ B	1307018-003	8.49	8.49	HT	pH Units <1%
QC13070093	Duplicate	pH	SM 4500-H+ B	1307020-001	2.48	2.48	HT	pH Units <1%
QC13070093	Duplicate	pH	SM 4500-H+ B	1307020-002	7.52	7.57	HT	pH Units 1 %
QC13070098	Duplicate	Bicarbonate (HCO3)	SM 2320B	1307007-003	200	201	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1307007-003	ND	ND	mg/L	<1%

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13070098	Duplicate	Hydroxide (OH)	SM 2320B	1307007-003	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1307007-003	164	165	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1307018-001	312	313	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1307018-001	13.0	13.1	mg/L	1 %
QC13070098	Duplicate	Hydroxide (OH)	SM 2320B	1307018-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1307018-001	278	278	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1307018-002	280	279	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1307018-002	15.4	16.3	mg/L	6 %
QC13070098	Duplicate	Hydroxide (OH)	SM 2320B	1307018-002	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1307018-002	255	256	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1307018-003	379	378	mg/L	<1%
		Carbonate (CO3)	SM 2320B	1307018-003	8.36	8.61	mg/L	3 %
QC13070098	Duplicate	Hydroxide (OH)	SM 2320B	1307018-003	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1307018-003	325	324	mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1307024-013	4.21	5.06	mg/L	18 %
		Carbonate (CO3)	SM 2320B	1307024-013	ND	ND	mg/L	<1%
QC13070098	Duplicate	Hydroxide (OH)	SM 2320B	1307024-013	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1307024-013	3.45	4.15	mg/L as CaCO3	18 %
		Bicarbonate (HCO3)	SM 2320B	1307020-002	55.8	54.8	mg/L	2 %
		Carbonate (CO3)	SM 2320B	1307020-002	ND	ND	mg/L	<1%
QC13070098	Duplicate	Hydroxide (OH)	SM 2320B	1307020-002	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1307020-002	45.7	45.0	mg/L as CaCO3	2 %
		Redox Potential	SM 2580B	1307024-001	ND	ND	mV	<1%
		Redox Potential	SM 2580B	1307024-011	55.1	49.6	mV	11 %
QC13070103	Duplicate	Redox Potential	SM 2580B	1306659-003	ND	ND	mV	<1%
QC13070271	Duplicate	Cyanate	SM 4500 CNL	1307018-001	0.061	0.088	Q mg/L	36 %
QC13070297	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306610-001	230	228	mg/L	1 %
QC13070297	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306647-002	609	619	mg/L	2 %
QC13070297	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306656-001	137	152	Q mg/L	10 %
QC13070297	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306671-001	49.0	44.0	mg/L	11 %
QC13070297	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306671-003	32.0	33.0	mg/L	3 %
QC13070297	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1306715-002	1027	1010	mg/L	2 %
QC13070297	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1307007-003	274	278	mg/L	1 %
QC13070297	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1307007-004	302	305	mg/L	1 %
QC13070336	Duplicate	Electrical Conductivity	SM 2510B	1307018-001	636	645	µmhos/cm	1 %
QC13070336	Duplicate	Electrical Conductivity	SM 2510B	1306647-008	260	263	µmhos/cm	1 %
QC13070336	Duplicate	Electrical Conductivity	SM 2510B	1306647-018	1002	1010	µmhos/cm	1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13070109	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1306702-002	0.087	0.985	0.928	1.00	mg/L	90	84	6 %
QC13070109	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1306634-001	ND	0.950	0.993	1.00	mg/L	95	99	4 %
QC13070114	MS 1	Mercury, Dissolved	EPA 245.1	1306696-001	ND	0.004710	0.004830	0.005	mg/L	94	96	3 %

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QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13070147	MS 1	Chloride	EPA 300.0	1307018-001	0.318	2.70	2.71	0.250	mg/L	95	96	<1%
QC13070148	MS 1	Nitrite Nitrogen	EPA 300.0	1307018-001	0.192	0.476	0.478	0.500	mg/L	113	114	<1%
QC13070149	MS 1	Nitrate Nitrogen	EPA 300.0	1307018-001	0.685	1.71	1.71	1.00	mg/L	103	103	<1%
QC13070150	MS 1	Fluoride	EPA 300.0	1307020-003	ND	1.81	1.84	2.00	mg/L	90	91	2 %
QC13070150	MS 2	Fluoride	EPA 300.0	1307005-003	ND	1.90	2.03	2.00	mg/L	95	101	7 %
QC13070155	MS 1	Sulfate	EPA 300.0	1307020-003	97.8	109	108	10.0	mg/L	109	107	1 %
QC13070155	MS 2	Sulfate	EPA 300.0	1306543-002	33.8	43.1	43.2	10.0	mg/L	94	95	<1%
QC13070176	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1306680-001	ND	0.850	0.892	1.00	mg/L	85	89	5 %
QC13070176	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1306674-002	ND	1.00	0.969	1.00	mg/L	100	97	3 %
QC13070176	MS 3	Ammonia, as Nitrogen	SM 4500 NH3	1307032-002	0.060	1.06	1.03	1.00	mg/L	100	97	3 %
QC13070176	MS 4	Ammonia, as Nitrogen	SM 4500 NH3	1306680-008	ND	0.957	1.00	1.00	mg/L	96	100	4 %
QC13070220	MS 1	WAD Cyanide	SM 4500CNI	1306605-005	ND	0.099	0.101	0.100	mg/L	99	101	2 %
QC13070221	MS 1	Total Cyanide	SM 4500CNC	1307018-001	0.168	0.265	0.256	0.100	mg/L	97	87	3 %
QC13070242	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1307065-001	44.8	SC 58.3	59.6	0.690	mg/L	NC	NC	NC
QC13070272	MS 1	Thiocyanate	SM 4500 CN	1307018-001	0.206	1.10	1.13	1.00	mg/L	89	92	3 %
QC13070338	MS 1	Aluminum	EPA 200.7	1307018-001	2.91	4.04	4.02	1.00	mg/L	113	111	<1%
		Barium	EPA 200.7	1307018-001	0.036	1.04	1.03	1.00	mg/L	100	99	1 %
		Bismuth	EPA 200.7	1307018-001	ND	1.02	1.01	1.00	mg/L	100	99	1 %
		Boron	EPA 200.7	1307018-001	0.027	1.05	1.04	1.00	mg/L	102	101	1 %
		Calcium	EPA 200.7	1307018-001	7.15	17.4	17.1	10.0	mg/L	102	100	2 %
		Cobalt	EPA 200.7	1307018-001	ND	0.996	0.985	1.00	mg/L	99	98	1 %
		Gallium	EPA 200.7	1307018-001	ND	0.949	0.946	1.00	mg/L	95	94	<1%
		Iron	EPA 200.7	1307018-001	1.40	2.40	2.36	1.00	mg/L	100	96	2 %
		Lithium	EPA 200.7	1307018-001	ND	0.906	0.887	1.00	mg/L	89	88	2 %
		Magnesium	EPA 200.7	1307018-001	0.484	10.3	10.2	10.0	mg/L	98	97	1 %
		Manganese	EPA 200.7	1307018-001	0.044	1.04	1.03	1.00	mg/L	100	99	1 %
		Molybdenum	EPA 200.7	1307018-001	ND	0.993	0.989	1.00	mg/L	99	98	<1%
		Phosphorus	EPA 200.7	1307018-001	0.675	5.82	5.86	5.00	mg/L	103	104	1 %
		Potassium	EPA 200.7	1307018-001	4.11	14.6	14.4	10.0	mg/L	105	103	1 %
		Scandium	EPA 200.7	1307018-001	ND	0.997	0.986	1.00	mg/L	100	99	1 %
		Silicon	EPA 200.7	1307018-001	27.7	38.7	38.1	10.0	mg/L	110	104	2 %
		Sodium	EPA 200.7	1307018-001	148	SC 165	160	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1307018-001	0.089	1.10	1.06	1.00	mg/L	101	97	4 %
		Tin	EPA 200.7	1307018-001	ND	0.993	0.993	1.00	mg/L	100	100	<1%
		Titanium	EPA 200.7	1307018-001	0.042	1.05	1.02	1.00	mg/L	101	98	3 %
		Vanadium	EPA 200.7	1307018-001	0.030	1.04	1.03	1.00	mg/L	101	100	1 %
		Zinc	EPA 200.7	1307018-001	0.030	1.10	1.10	1.00	mg/L	107	107	<1%
QC13070342	MS 1	Antimony	EPA 200.8	1307018-001	0.5925	SC 0.6071	0.5794	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1307018-001	2.6003	SC 2.6980	2.5948	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1307018-001	0.0004	0.0096	0.0098	0.010	mg/L	92	94	2 %
		Cadmium	EPA 200.8	1307018-001	ND	0.0098	0.0102	0.010	mg/L	93	97	4 %
		Chromium	EPA 200.8	1307018-001	0.0016	0.0117	0.0117	0.010	mg/L	101	101	<1%
		Copper	EPA 200.8	1307018-001	0.0100	0.0199	0.0210	0.010	mg/L	99	110	5 %
		Lead	EPA 200.8	1307018-001	0.2825	SC 0.2987	0.2926	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1307018-001	0.0028	0.0123	0.0125	0.010	mg/L	95	96	2 %
		Selenium	EPA 200.8	1307018-001	0.0102	0.0539	0.0548	0.050	mg/L	87	89	2 %
		Silver	EPA 200.8	1307018-001	ND	0.0094	0.0097	0.010	mg/L	87	90	3 %
		Thallium	EPA 200.8	1307018-001	ND	0.0095	0.0096	0.010	mg/L	94	95	1 %
		Uranium	EPA 200.8	1307018-001	0.0269	0.0375	0.0378	0.010	mg/L	106	109	1 %

7/22/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1307323

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 7/15/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1307323

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Total Kjeldahl Nitrogen, Calcium, Iron, Magnesium, Potassium, Lithium and Strontium on sample 1307323-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: 42960 / Eagle Gold

Date Printed: 7/22/2013

OrderID: 1307323

Customer Sample ID: 63301 15 July 13

Collect Date/Time: 7/15/2013 13:40

WETLAB Sample ID: 1307323-001

Receive Date: 7/15/2013 13:40

Analyte	Method	Results	Units	DF	RL	Analyzed	
<u>General Chemistry</u>							
Cyanate	SM 4500 CNL	0.09	mg/L	1	0.050	7/19/2013	
Thiocyanate	SM 4500 CNM	0.26	mg/L	1	0.10	7/18/2013	
Temperature at pH	NA	25.4	°C	1		7/15/2013	
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	7/18/2013	
pH	SM 4500-H+ B	8.66	pH Units	1		7/15/2013	
Bicarbonate (HCO3)	SM 2320B	330	mg/L	1	1.0	7/15/2013	
Carbonate (CO3)	SM 2320B	15	mg/L	1	1.0	7/15/2013	
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	7/15/2013	
Total Alkalinity	SM 2320B	290	mg/L as CaCO3	1	1.0	7/15/2013	
Redox Potential	SM 2580B	-143	mV	1		7/16/2013	
Total Nitrogen	Calc.	1.9	mg/L	1	0.10	7/18/2013	
Total Cyanide	SM 4500CNC	0.18	mg/L	1	0.010	7/16/2013	
Total Dissolved Solids (TDS)	SM 2540C	520	mg/L	1	10	7/16/2013	
WAD Cyanide	SM 4500CNI	0.020	mg/L	1	0.010	7/16/2013	
Electrical Conductivity	SM 2510B	700	µmhos/cm	1	1	7/17/2013	
<u>Anions by Ion Chromatography</u>							
Chloride	EPA 300.0	0.10	mg/L	1	0.10	7/18/2013	
Fluoride	EPA 300.0	0.74	mg/L	1	0.10	7/18/2013	
Sulfate	EPA 300.0	79	mg/L	1	1.0	7/18/2013	
Nitrate Nitrogen	EPA 300.0	0.83	mg/L	1	0.010	7/16/2013	
Nitrite Nitrogen	EPA 300.0	0.25	mg/L	1	0.010	7/16/2013	
<u>Flow Injection Analyses</u>							
Total Kjeldahl Nitrogen	EPA 351.2	0.85	M	mg/L	1	0.20	7/18/2013
<u>Trace Metals by ICP-OES</u>							
Aluminum	EPA 200.7	4.1	SC	mg/L	1	0.045	7/17/2013
Barium	EPA 200.7	0.052		mg/L	1	0.010	7/17/2013
Bismuth	EPA 200.7	ND		mg/L	1	0.075	7/17/2013
Boron	EPA 200.7	0.034		mg/L	1	0.020	7/17/2013
Calcium	EPA 200.7	11	M	mg/L	1	0.500	7/17/2013
Cobalt	EPA 200.7	0.0024		mg/L	1	0.0020	7/17/2013
Gallium	EPA 200.7	ND		mg/L	1	0.020	7/17/2013
Iron	EPA 200.7	1.8	M	mg/L	1	0.010	7/17/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63301 15 July 13

Collect Date/Time: 7/15/2013 13:40

WETLAB Sample ID: 1307323-001

Receive Date: 7/15/2013 13:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Lithium	EPA 200.7	ND M	mg/L	1	0.020	7/17/2013
Magnesium	EPA 200.7	0.65 M	mg/L	1	0.50	7/17/2013
Manganese	EPA 200.7	0.061	mg/L	1	0.0050	7/17/2013
Molybdenum	EPA 200.7	0.0083	mg/L	1	0.0050	7/17/2013
Phosphorus	EPA 200.7	0.78	mg/L	1	0.50	7/17/2013
Potassium	EPA 200.7	5.6 M	mg/L	1	0.50	7/17/2013
Scandium	EPA 200.7	0.0010	mg/L	1	0.0010	7/17/2013
Sodium	EPA 200.7	200 SC	mg/L	1	0.50	7/17/2013
Strontium	EPA 200.7	0.13 M	mg/L	1	0.10	7/17/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	7/17/2013
Titanium	EPA 200.7	0.041	mg/L	1	0.0050	7/17/2013
Vanadium	EPA 200.7	0.024	mg/L	1	0.010	7/17/2013
Zinc	EPA 200.7	0.041	mg/L	1	0.010	7/17/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.42 SC	mg/L	10	0.0050	7/17/2013
Arsenic	EPA 200.8	2.2 SC	mg/L	10	0.030	7/17/2013
Beryllium	EPA 200.8	0.00062	mg/L	1	0.00035	7/17/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	7/17/2013
Chromium	EPA 200.8	0.0023	mg/L	1	0.0010	7/17/2013
Copper	EPA 200.8	0.0088	mg/L	1	0.0025	7/17/2013
Lead	EPA 200.8	0.34 SC	mg/L	10	0.020	7/17/2013
Nickel	EPA 200.8	0.0031	mg/L	1	0.0010	7/17/2013
Selenium	EPA 200.8	0.0082	mg/L	1	0.0020	7/17/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	7/17/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	7/17/2013
Uranium	EPA 200.8	0.028	mg/L	1	0.00040	7/17/2013

Mercury by CVAA

Mercury	SW846 7470A	ND	mg/L	1	0.00010	7/18/2013

Ion Balance

Anions	Calculation	7.66	meq/L	1	0.10	
Cations	Calculation	10.0	meq/L	1	0.10	
Error	Calculation	13	%	1	1.0	

Customer Sample ID: 63316 15 July 13

Collect Date/Time: 7/15/2013 13:40

WETLAB Sample ID: 1307323-002

Receive Date: 7/15/2013 13:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Cyanate	SM 4500 CNL	0.07	mg/L	1	0.050	7/19/2013
Thiocyanate	SM 4500 CNM	0.35	mg/L	1	0.10	7/18/2013
Temperature at pH	NA	24.4	°C	1		7/15/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	7/18/2013
pH	SM 4500-H+ B	8.68 HT	pH Units	1		7/15/2013
Bicarbonate (HCO3)	SM 2320B	290	mg/L	1	1.0	7/15/2013
Carbonate (CO3)	SM 2320B	14	mg/L	1	1.0	7/15/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	7/15/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 15 July 13

Collect Date/Time: 7/15/2013 13:40

WETLAB Sample ID: 1307323-002

Receive Date: 7/15/2013 13:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Total Alkalinity	SM 2320B	260	mg/L as CaCO3	1	1.0	7/15/2013
Redox Potential	SM 2580B	-134	mV	1		7/16/2013
Total Nitrogen	Calc.	0.88	mg/L	1	0.10	7/18/2013
Total Cyanide	SM 4500CNC	ND	mg/L	1	0.010	7/16/2013
Total Dissolved Solids (TDS)	SM 2540C	470	mg/L	1	10	7/16/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	7/16/2013
Electrical Conductivity	SM 2510B	660	µmhos/cm	1	1	7/17/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	0.14	mg/L	1	0.10	7/18/2013
Fluoride	EPA 300.0	0.95	mg/L	1	0.10	7/18/2013
Sulfate	EPA 300.0	100	mg/L	1	1.0	7/18/2013
Nitrate Nitrogen	EPA 300.0	0.12	mg/L	1	0.010	7/16/2013
Nitrite Nitrogen	EPA 300.0	0.081	mg/L	1	0.010	7/16/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.68	mg/L	1	0.20	7/18/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	3.6	mg/L	1	0.045	7/17/2013
Barium	EPA 200.7	0.048	mg/L	1	0.010	7/17/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	7/17/2013
Boron	EPA 200.7	0.026	mg/L	1	0.020	7/17/2013
Calcium	EPA 200.7	8.8	mg/L	1	0.500	7/17/2013
Cobalt	EPA 200.7	0.0023	mg/L	1	0.0020	7/17/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	7/17/2013
Iron	EPA 200.7	2.0	mg/L	1	0.010	7/17/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	7/17/2013
Magnesium	EPA 200.7	0.54	mg/L	1	0.50	7/17/2013
Manganese	EPA 200.7	0.048	mg/L	1	0.0050	7/17/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	7/17/2013
Phosphorus	EPA 200.7	0.80	mg/L	1	0.50	7/17/2013
Potassium	EPA 200.7	4.8	mg/L	1	0.50	7/17/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	7/17/2013
Sodium	EPA 200.7	190	mg/L	1	0.50	7/17/2013
Strontium	EPA 200.7	0.084	mg/L	1	0.0020	7/17/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	7/17/2013
Titanium	EPA 200.7	0.044	mg/L	1	0.0050	7/17/2013
Vanadium	EPA 200.7	0.034	mg/L	1	0.010	7/17/2013
Zinc	EPA 200.7	0.063	mg/L	1	0.010	7/17/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.55	mg/L	10	0.0050	7/17/2013
Arsenic	EPA 200.8	2.1	mg/L	10	0.030	7/17/2013
Beryllium	EPA 200.8	0.00058	mg/L	1	0.00035	7/17/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	7/17/2013
Chromium	EPA 200.8	0.0022	mg/L	1	0.0010	7/17/2013
Copper	EPA 200.8	0.023	mg/L	1	0.0025	7/17/2013
Lead	EPA 200.8	0.33	mg/L	10	0.020	7/17/2013
Nickel	EPA 200.8	0.0038	mg/L	1	0.0010	7/17/2013
Selenium	EPA 200.8	0.0089	mg/L	1	0.0020	7/17/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 15 July 13

Collect Date/Time: 7/15/2013 13:40

WETLAB Sample ID: 1307323-002

Receive Date: 7/15/2013 13:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Silver	EPA 200.8	ND	mg/L	1	0.0015	7/17/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	7/17/2013
Uranium	EPA 200.8	0.029	mg/L	1	0.00040	7/17/2013
<u>Mercury by CVAA</u>						
Mercury	SW846 7470A	0.00010	mg/L	1	0.00010	7/18/2013
<u>Ion Balance</u>						
Anions	Calculation	7.36	meq/L	1	0.10	
Cations	Calculation	9.38	meq/L	1	0.10	
Error	Calculation	12	%	1	1.0	

Customer Sample ID: 63322 15 July 13

Collect Date/Time: 7/15/2013 13:40

WETLAB Sample ID: 1307323-003

Receive Date: 7/15/2013 13:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Thiocyanate	SM 4500 CNM	1.4	mg/L	1	0.10	7/18/2013
Cyanate	SM 4500 CNL	0.39	mg/L	1	0.050	7/19/2013
Temperature at pH	NA	24.1	°C	1		7/15/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.35	mg/L	1	0.050	7/18/2013
pH	SM 4500-H+ B	8.48 HT	pH Units	1		7/15/2013
Bicarbonate (HCO3)	SM 2320B	370	mg/L	1	1.0	7/15/2013
Carbonate (CO3)	SM 2320B	7.3	mg/L	1	1.0	7/15/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	7/15/2013
Total Alkalinity	SM 2320B	320	mg/L as CaCO3	1	1.0	7/15/2013
Redox Potential	SM 2580B	-238	mV	1		7/16/2013
Total Nitrogen	Calc.	3.3	mg/L	1	0.10	7/18/2013
Total Cyanide	SM 4500CNC	3.6	mg/L	50	0.50	7/16/2013
Total Dissolved Solids (TDS)	SM 2540C	370	mg/L	1	10	7/16/2013
WAD Cyanide	SM 4500CNI	3.2	mg/L	50	0.50	7/16/2013
Electrical Conductivity	SM 2510B	630	µmhos/cm	1	1	7/17/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	ND	mg/L	1	0.10	7/18/2013
Fluoride	EPA 300.0	0.43	mg/L	1	0.10	7/18/2013
Sulfate	EPA 300.0	16	mg/L	1	1.0	7/18/2013
Nitrate Nitrogen	EPA 300.0	0.086	mg/L	1	0.010	7/16/2013
Nitrite Nitrogen	EPA 300.0	0.13	mg/L	1	0.010	7/16/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	3.0	mg/L	1	0.20	7/18/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	1.2	mg/L	1	0.045	7/17/2013
Barium	EPA 200.7	0.024	mg/L	1	0.010	7/17/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	7/17/2013
Boron	EPA 200.7	0.042	mg/L	1	0.020	7/17/2013
Calcium	EPA 200.7	5.9	mg/L	1	0.500	7/17/2013
Cobalt	EPA 200.7	0.021	mg/L	1	0.010	7/17/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 15 July 13

Collect Date/Time: 7/15/2013 13:40

WETLAB Sample ID: 1307323-003

Receive Date: 7/15/2013 13:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Gallium	EPA 200.7	ND	mg/L	1	0.020	7/17/2013
Iron	EPA 200.7	0.72	mg/L	1	0.010	7/17/2013
Lithium	EPA 200.7	0.044	mg/L	1	0.020	7/17/2013
Magnesium	EPA 200.7	0.56	mg/L	1	0.50	7/17/2013
Manganese	EPA 200.7	0.022	mg/L	1	0.0050	7/17/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	7/17/2013
Phosphorus	EPA 200.7	0.61	mg/L	1	0.50	7/17/2013
Potassium	EPA 200.7	3.6	mg/L	1	0.50	7/17/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	7/17/2013
Sodium	EPA 200.7	180	mg/L	1	0.50	7/17/2013
Strontium	EPA 200.7	0.070	mg/L	1	0.0020	7/17/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	7/17/2013
Titanium	EPA 200.7	0.028	mg/L	1	0.0050	7/17/2013
Vanadium	EPA 200.7	0.013	mg/L	1	0.010	7/17/2013
Zinc	EPA 200.7	0.032	mg/L	1	0.010	7/17/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.19	mg/L	10	0.0050	7/17/2013
Arsenic	EPA 200.8	1.1	mg/L	10	0.030	7/17/2013
Beryllium	EPA 200.8	0.00044	mg/L	1	0.00035	7/17/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	7/17/2013
Chromium	EPA 200.8	0.0015	mg/L	1	0.0010	7/17/2013
Copper	EPA 200.8	2.4	mg/L	10	0.025	7/17/2013
Lead	EPA 200.8	0.12	mg/L	10	0.020	7/17/2013
Nickel	EPA 200.8	0.077	mg/L	1	0.0010	7/17/2013
Selenium	EPA 200.8	0.0053	mg/L	1	0.0020	7/17/2013
Silver	EPA 200.8	0.0090	mg/L	1	0.0015	7/17/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	7/17/2013
Uranium	EPA 200.8	0.036	mg/L	1	0.00040	7/17/2013
<u>Mercury by CVAA</u>						
Mercury	SW846 7470A	0.00010	mg/L	1	0.00010	7/18/2013
<u>Ion Balance</u>						
Anions	Calculation	6.79	meq/L	1	0.10	
Cations	Calculation	8.53	meq/L	1	0.10	
Error	Calculation	11	%	1	1.0	

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13070647	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13070647	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13070648	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13070648	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13070702	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13070702	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13070703	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13070703	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13070711	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13070711	Blank 2	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13070711	Blank 3	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13070711	Blank 4	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13070721	Blank 1	Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L
QC13070733	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
QC13070739	Blank 1	Fluoride	EPA 300.0	ND	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC13070739	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13070741	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13070741	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13070745	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13070745	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13070773	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13070773	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13070773	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13070790	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13070790	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13070793	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13070793	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13070793	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13070811	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13070811	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13070839	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13070839	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13070624	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13070624	LCS 2	pH	SM 4500-H+ B	7.00	7.00	100	pH Units
QC13070627	LCS 1	Total Alkalinity	SM 2320B	97.6	100	98	mg/L
QC13070627	LCS 2	Total Alkalinity	SM 2320B	97.6	100	98	mg/L
QC13070627	LCS 3	Total Alkalinity	SM 2320B	98.0	100	98	mg/L
QC13070647	LCS 1	Total Cyanide	SM 4500CNC	0.093	0.100	93	mg/L
QC13070648	LCS 1	WAD Cyanide	SM 4500CNI	0.096	0.100	96	mg/L
QC13070666	LCS 1	Redox Potential	SM 2580B	221	221	100	mV
QC13070702	LCS 1	Nitrate Nitrogen	EPA 300.0	0.517	0.500	103	mg/L
QC13070703	LCS 1	Nitrite Nitrogen	EPA 300.0	0.505	0.500	101	mg/L
QC13070711	LCS 1	Electrical Conductivity	SM 2510B	1345	1412	95	µmhos/cm
QC13070711	LCS 2	Electrical Conductivity	SM 2510B	1326	1412	94	µmhos/cm
QC13070721	LCS 1	Antimony	EPA 200.8	0.0091	0.010	91	mg/L
		Arsenic	EPA 200.8	0.0478	0.050	96	mg/L
		Beryllium	EPA 200.8	0.0095	0.010	95	mg/L
		Cadmium	EPA 200.8	0.0094	0.010	94	mg/L
		Chromium	EPA 200.8	0.0092	0.010	92	mg/L
		Copper	EPA 200.8	0.0087	0.010	87	mg/L
		Lead	EPA 200.8	0.0093	0.010	93	mg/L
		Nickel	EPA 200.8	0.0095	0.010	95	mg/L
		Selenium	EPA 200.8	0.0444	0.050	89	mg/L
		Silver	EPA 200.8	0.0092	0.010	92	mg/L
		Thallium	EPA 200.8	0.0091	0.010	91	mg/L
		Uranium	EPA 200.8	0.0091	0.010	91	mg/L
QC13070733	LCS 1	Aluminum	EPA 200.7	1.13	1.00	113	mg/L
		Barium	EPA 200.7	1.06	1.00	106	mg/L
		Bismuth	EPA 200.7	1.00	1.00	100	mg/L
		Boron	EPA 200.7	1.05	1.00	105	mg/L
		Calcium	EPA 200.7	10.7	10.0	107	mg/L
		Cobalt	EPA 200.7	1.06	1.00	106	mg/L
		Gallium	EPA 200.7	1.10	1.00	110	mg/L
		Iron	EPA 200.7	1.11	1.00	111	mg/L
		Lithium	EPA 200.7	1.02	1.00	102	mg/L
		Magnesium	EPA 200.7	10.7	10.0	107	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
		Manganese	EPA 200.7	1.06	1.00	106	mg/L
		Molybdenum	EPA 200.7	1.04	1.00	104	mg/L
		Phosphorus	EPA 200.7	5.45	5.00	109	mg/L
		Potassium	EPA 200.7	10.7	10.0	107	mg/L
		Scandium	EPA 200.7	1.04	1.00	104	mg/L
		Sodium	EPA 200.7	10.8	10.0	108	mg/L
		Strontium	EPA 200.7	1.05	1.00	105	mg/L
		Tin	EPA 200.7	1.05	1.00	105	mg/L
		Titanium	EPA 200.7	1.05	1.00	105	mg/L
		Vanadium	EPA 200.7	1.05	1.00	105	mg/L
		Zinc	EPA 200.7	1.08	1.00	108	mg/L
QC13070739	LCS 1	Fluoride	EPA 300.0	2.08	2.00	104	mg/L
QC13070741	LCS 1	Chloride	EPA 300.0	5.18	5.00	104	mg/L
QC13070745	LCS 1	Sulfate	EPA 300.0	10.8	10.0	108	mg/L
QC13070773	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.983	1.00	98	mg/L
QC13070773	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	1.03	1.00	103	mg/L
QC13070793	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.649	0.690	94	mg/L
QC13070811	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	156	150	104	mg/L
QC13070811	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	151	150	100	mg/L
QC13070839	LCS 1	Cyanate	SM 4500 CNL	1.08	1.00	108	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD	
QC13070624	Duplicate	pH	SM 4500-H+ B	1307323-001	8.66	8.67	HT	pH Units	<1%
QC13070624	Duplicate	pH	SM 4500-H+ B	1307323-002	8.68	8.70	HT	pH Units	<1%
QC13070624	Duplicate	pH	SM 4500-H+ B	1307323-003	8.48	8.50	HT	pH Units	<1%
QC13070624	Duplicate	pH	SM 4500-H+ B	1307333-001	8.05	8.08	HT	pH Units	<1%
QC13070627	Duplicate	Bicarbonate (HCO3)	SM 2320B	1307323-001	328	328		mg/L	<1%
		Carbonate (CO3)	SM 2320B	1307323-001	15.1	14.9		mg/L	1 %
		Hydroxide (OH)	SM 2320B	1307323-001	ND	ND		mg/L	<1%
		Total Alkalinity	SM 2320B	1307323-001	294	294		mg/L as CaCO3	<1%
QC13070627	Duplicate	Bicarbonate (HCO3)	SM 2320B	1307323-002	288	286		mg/L	1 %
		Carbonate (CO3)	SM 2320B	1307323-002	13.6	14.3		mg/L	5 %
		Hydroxide (OH)	SM 2320B	1307323-002	ND	ND		mg/L	<1%
		Total Alkalinity	SM 2320B	1307323-002	259	258		mg/L as CaCO3	<1%
QC13070627	Duplicate	Bicarbonate (HCO3)	SM 2320B	1307323-003	371	372		mg/L	<1%
		Carbonate (CO3)	SM 2320B	1307323-003	7.29	7.71		mg/L	6 %
		Hydroxide (OH)	SM 2320B	1307323-003	ND	ND		mg/L	<1%
		Total Alkalinity	SM 2320B	1307323-003	316	318		mg/L as CaCO3	1 %
QC13070627	Duplicate	Bicarbonate (HCO3)	SM 2320B	1307333-001	65.2	64.3		mg/L	1 %
		Carbonate (CO3)	SM 2320B	1307333-001	ND	ND		mg/L	<1%
		Hydroxide (OH)	SM 2320B	1307333-001	ND	ND		mg/L	<1%
		Total Alkalinity	SM 2320B	1307333-001	53.4	52.7		mg/L as CaCO3	1 %
QC13070666	Duplicate	Redox Potential	SM 2580B	1307325-002	0.700	0.700		mV	<1%
QC13070666	Duplicate	Redox Potential	SM 2580B	1307325-011	57.9	54.0		mV	7 %
QC13070711	Duplicate	Electrical Conductivity	SM 2510B	1307325-001	20.7	20.3		µmhos/cm	2 %
QC13070711	Duplicate	Electrical Conductivity	SM 2510B	1307325-011	69.6	70.0		µmhos/cm	1 %

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 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13070711	Duplicate	Electrical Conductivity	SM 2510B	1307167-005	905	904	µmhos/cm	<1%
QC13070711	Duplicate	Electrical Conductivity	SM 2510B	1307127-001	160	159	µmhos/cm	<1%
QC13070811	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1307265-002	101	106	mg/L	5 %
QC13070811	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1307265-009	404	407	mg/L	1 %
QC13070811	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1307267-005	145	145	mg/L	<1%
QC13070811	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1307304-015	314	335	Q mg/L	6 %
QC13070839	Duplicate	Cyanate	SM 4500 CNL	1307323-001	0.086	0.082	mg/L	4 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13070647	MS 1	Total Cyanide	SM 4500CNC	1307323-001	0.180	0.280	0.273	0.100	mg/L	100	94	3 %
QC13070648	MS 1	WAD Cyanide	SM 4500CNI	1307273-001	ND	0.105	0.104	0.100	mg/L	105	104	1 %
QC13070648	MS 2	WAD Cyanide	SM 4500CNI	1307274-003	ND	0.104	0.104	0.100	mg/L	103	104	<1%
QC13070702	MS 1	Nitrate Nitrogen	EPA 300.0	1307323-003	0.086	1.02	1.02	1.00	mg/L	94	93	<1%
QC13070703	MS 1	Nitrite Nitrogen	EPA 300.0	1307323-003	0.127	0.367	0.353	0.250	mg/L	96	90	4 %
QC13070721	MS 1	Antimony	EPA 200.8	1307323-001	0.4173	SC 0.4248	0.4098	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1307323-001	2.1557	SC 2.1709	2.0992	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1307323-001	0.0006	0.0091	0.0092	0.010	mg/L	84	85	1 %
		Cadmium	EPA 200.8	1307323-001	ND	0.0097	0.0097	0.010	mg/L	90	90	<1%
		Chromium	EPA 200.8	1307323-001	0.0023	0.0110	0.0112	0.010	mg/L	87	89	2 %
		Copper	EPA 200.8	1307323-001	0.0088	0.0164	0.0173	0.010	mg/L	76	85	5 %
		Lead	EPA 200.8	1307323-001	0.3446	SC 0.3269	0.3430	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1307323-001	0.0031	0.0117	0.0119	0.010	mg/L	86	88	2 %
		Selenium	EPA 200.8	1307323-001	0.0082	0.0507	0.0503	0.050	mg/L	85	84	1 %
		Silver	EPA 200.8	1307323-001	ND	0.0087	0.0090	0.010	mg/L	80	83	3 %
		Thallium	EPA 200.8	1307323-001	ND	0.0086	0.0087	0.010	mg/L	85	85	1 %
		Uranium	EPA 200.8	1307323-001	0.0278	0.0357	0.0360	0.010	mg/L	80	83	1 %
QC13070733	MS 1	Aluminum	EPA 200.7	1307323-001	4.13	SC 5.71	4.72	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1307323-001	0.052	1.12	1.02	1.00	mg/L	107	97	9 %
		Bismuth	EPA 200.7	1307323-001	ND	1.11	0.965	1.00	mg/L	104	90	14 %
		Boron	EPA 200.7	1307323-001	0.034	1.10	1.10	1.00	mg/L	107	107	<1%
		Calcium	EPA 200.7	1307323-001	11.0	M 20.5	14.6	10.0	mg/L	NC	NC	NC
		Cobalt	EPA 200.7	1307323-001	0.002	1.07	0.981	1.00	mg/L	107	98	9 %
		Gallium	EPA 200.7	1307323-001	ND	1.14	0.999	1.00	mg/L	114	100	13 %
		Iron	EPA 200.7	1307323-001	1.82	M 2.81	2.09	1.00	mg/L	NC	NC	NC
		Lithium	EPA 200.7	1307323-001	ND	M 1.21	0.873	1.00	mg/L	NC	NC	NC
		Magnesium	EPA 200.7	1307323-001	0.652	M 11.4	8.49	10.0	mg/L	NC	NC	NC
		Manganese	EPA 200.7	1307323-001	0.061	1.10	0.970	1.00	mg/L	104	91	13 %
		Molybdenum	EPA 200.7	1307323-001	0.008	1.05	0.929	1.00	mg/L	104	92	12 %
		Phosphorus	EPA 200.7	1307323-001	0.780	6.11	5.29	5.00	mg/L	107	90	14 %
		Potassium	EPA 200.7	1307323-001	5.65	M 18.7	14.4	10.0	mg/L	NC	NC	NC
		Scandium	EPA 200.7	1307323-001	0.001	1.06	0.983	1.00	mg/L	106	98	8 %
		Sodium	EPA 200.7	1307323-001	197	SC 199	161	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1307323-001	0.132	M 1.18	0.817	1.00	mg/L	NC	NC	NC
		Tin	EPA 200.7	1307323-001	ND	1.07	1.01	1.00	mg/L	107	101	6 %
		Titanium	EPA 200.7	1307323-001	0.041	1.10	0.854	1.00	mg/L	106	81	25 %
		Vanadium	EPA 200.7	1307323-001	0.024	1.07	0.957	1.00	mg/L	105	93	11 %
		Zinc	EPA 200.7	1307323-001	0.041	1.21	1.07	1.00	mg/L	117	103	12 %
QC13070739	MS 1	Fluoride	EPA 300.0	1307304-014	0.193	1.93	1.94	2.00	mg/L	87	87	1 %
QC13070741	MS 1	Chloride	EPA 300.0	1307304-014	50.0	54.5	54.2	5.00	mg/L	89	84	1 %

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13070745	MS 1	Sulfate	EPA 300.0	1307304-014	63.1	74.1	73.9	10.0	mg/L	110	108	<1%
QC13070773	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1307287-002	0.127	1.19	1.10	1.00	mg/L	106	97	8 %
QC13070773	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1307342-002	0.102	1.15	1.03	1.00	mg/L	105	93	11 %
QC13070790	MS 1	Thiocyanate	SM 4500 CN	1307323-001	0.262	1.16	1.17	1.00	mg/L	90	91	1 %
QC13070793	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1307336-001	31.0	SC 31.4	29.6	0.690	mg/L	NC	NC	NC
QC13070793	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1307323-001	0.847	M 1.43	1.44	0.690	mg/L	NC	NC	NC

8/5/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1307665

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, 18th & 19th editions, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 7/29/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1307665

General Comments

None

Specific Comments

The analysis of the laboratory method blank revealed concentrations of Phosphorus above the reporting limit during the analysis of samples 1307665-001 thru 003 . We apologize for any inconvenience this may have caused.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: 43027 Eagle Gold

Date Printed: 8/5/2013

OrderID: 1307665

Customer Sample ID: 63301 29 Jul 13

Collect Date/Time: 7/29/2013 14:30

WETLAB Sample ID: 1307665-001

Receive Date: 7/29/2013 15:10

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	8/2/2013
Temperature at pH	NA	24.6	°C	1		7/29/2013
Cyanate	SM 4500 CNL	0.20	mg/L	1	0.050	8/3/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	8/1/2013
pH	SM 4500-H+ B	8.56	pH Units	1		7/29/2013
Bicarbonate (HCO3)	SM 2320B	310	mg/L	1	1.0	7/29/2013
Carbonate (CO3)	SM 2320B	13	mg/L	1	1.0	7/29/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	7/29/2013
Total Alkalinity	SM 2320B	270	mg/L as CaCO3	1	1.0	7/29/2013
Redox Potential	SM 2580B	-54	mV	1		7/30/2013
Total Nitrogen	Calc.	1.9	mg/L	1	0.10	7/31/2013
Total Cyanide	SM 4500CNC	0.15	mg/L	1	0.010	7/30/2013
Total Dissolved Solids (TDS)	SM 2540C	460	mg/L	1	10	7/30/2013
WAD Cyanide	SM 4500CNI	0.023	mg/L	1	0.010	7/30/2013
Electrical Conductivity	SM 2510B	670	µmhos/cm	1	1	7/31/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.11	mg/L	1	0.10	7/30/2013
Fluoride	EPA 300.0	0.67	mg/L	1	0.10	7/30/2013
Sulfate	EPA 300.0	70	mg/L	1	1.0	7/30/2013
Nitrate Nitrogen	EPA 300.0	0.98	mg/L	1	0.010	7/30/2013
Nitrite Nitrogen	EPA 300.0	0.17	mg/L	1	0.010	7/30/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.74	mg/L	1	0.20	7/31/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.8	mg/L	1	0.045	8/2/2013
Barium	EPA 200.7	0.040	mg/L	1	0.010	8/2/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	8/2/2013
Boron	EPA 200.7	0.034	mg/L	1	0.020	8/2/2013
Calcium	EPA 200.7	8.8	mg/L	1	0.500	8/2/2013
Cobalt	EPA 200.7	0.0023	mg/L	1	0.0020	8/2/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	8/2/2013
Iron	EPA 200.7	1.4	mg/L	1	0.010	8/2/2013

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Sparks, NV 89431 (775) 355-0202

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Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63301 29 Jul 13

Collect Date/Time: 7/29/2013 14:30

WETLAB Sample ID: 1307665-001

Receive Date: 7/29/2013 15:10

Analyte	Method	Results	Units	DF	RL	Analyzed
Lithium	EPA 200.7	ND	mg/L	1	0.020	8/2/2013
Magnesium	EPA 200.7	0.50	mg/L	1	0.25	8/2/2013
Manganese	EPA 200.7	0.048	mg/L	1	0.0050	8/2/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	8/2/2013
Phosphorus	EPA 200.7	0.93 B	mg/L	1	0.10	8/2/2013
Potassium	EPA 200.7	4.1	mg/L	1	0.50	8/2/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	8/2/2013
Silicon	EPA 200.7	28	mg/L	1	0.10	8/2/2013
Sodium	EPA 200.7	140	mg/L	1	0.50	8/2/2013
Strontium	EPA 200.7	0.11	mg/L	1	0.10	8/2/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	8/2/2013
Titanium	EPA 200.7	0.032	mg/L	1	0.0050	8/2/2013
Vanadium	EPA 200.7	0.019	mg/L	1	0.010	8/2/2013
Zinc	EPA 200.7	0.031	mg/L	1	0.010	8/2/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.38	mg/L	10	0.0050	8/2/2013
Arsenic	EPA 200.8	1.9	mg/L	10	0.030	8/2/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	8/2/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	8/2/2013
Chromium	EPA 200.8	0.0020	mg/L	1	0.0010	8/2/2013
Copper	EPA 200.8	0.0092	mg/L	1	0.0025	8/2/2013
Lead	EPA 200.8	0.29	mg/L	10	0.020	8/2/2013
Nickel	EPA 200.8	0.0027	mg/L	1	0.0010	8/2/2013
Selenium	EPA 200.8	0.0081	mg/L	1	0.0020	8/2/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	8/2/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	8/2/2013
Uranium	EPA 200.8	0.025	mg/L	1	0.00040	8/2/2013

Mercury by CVA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	8/1/2013

Ion Balance

Anions	Calculation	7.08	meq/L	1	0.10	
Cations	Calculation	7.02	meq/L	1	0.10	
Error	Calculation	ND	%	1	1.0	

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		8/1/2013

Customer Sample ID: 63316 29 Jul 13

Collect Date/Time: 7/29/2013 14:30

WETLAB Sample ID: 1307665-002

Receive Date: 7/29/2013 15:10

Analyte	Method	Results	Units	DF	RL	Analyzed
Thiocyanate	SM 4500 CNM	0.21	mg/L	1	0.10	8/2/2013
Temperature at pH	NA	23.5	°C	1		7/29/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	8/3/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	7/31/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63316 29 Jul 13

Collect Date/Time: 7/29/2013 14:30

WETLAB Sample ID: 1307665-002

Receive Date: 7/29/2013 15:10

Analyte	Method	Results	Units	DF	RL	Analyzed
pH	SM 4500-H+ B	8.61 HT	pH Units	1		7/29/2013
Bicarbonate (HCO3)	SM 2320B	290	mg/L	1	1.0	7/29/2013
Carbonate (CO3)	SM 2320B	14	mg/L	1	1.0	7/29/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	7/29/2013
Total Alkalinity	SM 2320B	260	mg/L as CaCO3	1	1.0	7/29/2013
Redox Potential	SM 2580B	-53	mV	1		7/30/2013
Total Nitrogen	Calc.	1.2	mg/L	1	0.10	7/31/2013
Total Cyanide	SM 4500CNC	ND	mg/L	1	0.010	7/30/2013
Total Dissolved Solids (TDS)	SM 2540C	450	mg/L	1	10	7/30/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	7/30/2013
Electrical Conductivity	SM 2510B	680	µmhos/cm	1	1	7/31/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.79	mg/L	1	0.10	7/30/2013
Fluoride	EPA 300.0	0.89	mg/L	1	0.10	7/30/2013
Sulfate	EPA 300.0	95	mg/L	1	1.0	7/30/2013
Nitrate Nitrogen	EPA 300.0	0.34	mg/L	1	0.010	7/30/2013
Nitrite Nitrogen	EPA 300.0	0.083	mg/L	1	0.010	7/30/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.81	mg/L	1	0.20	7/31/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.3	mg/L	1	0.045	8/2/2013
Barium	EPA 200.7	0.031	mg/L	1	0.010	8/2/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	8/2/2013
Boron	EPA 200.7	0.033	mg/L	1	0.020	8/2/2013
Calcium	EPA 200.7	6.9	mg/L	1	0.500	8/2/2013
Cobalt	EPA 200.7	0.0020	mg/L	1	0.0020	8/2/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	8/2/2013
Iron	EPA 200.7	1.4	mg/L	1	0.010	8/2/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	8/2/2013
Magnesium	EPA 200.7	0.34	mg/L	1	0.25	8/2/2013
Manganese	EPA 200.7	0.041	mg/L	1	0.0050	8/2/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	8/2/2013
Phosphorus	EPA 200.7	0.52 B	mg/L	1	0.10	8/2/2013
Potassium	EPA 200.7	3.9	mg/L	1	0.50	8/2/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	8/2/2013
Silicon	EPA 200.7	25	mg/L	1	0.10	8/2/2013
Sodium	EPA 200.7	150	mg/L	1	0.50	8/2/2013
Strontium	EPA 200.7	0.069	mg/L	1	0.0020	8/2/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	8/2/2013
Titanium	EPA 200.7	0.031	mg/L	1	0.0050	8/2/2013
Vanadium	EPA 200.7	0.026	mg/L	1	0.010	8/2/2013
Zinc	EPA 200.7	0.060	mg/L	1	0.010	8/2/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.52	mg/L	10	0.0050	8/2/2013
Arsenic	EPA 200.8	1.7	mg/L	10	0.030	8/2/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	8/2/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	8/2/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Sparks, NV 89431 (775) 355-0202

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Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63316 29 Jul 13

Collect Date/Time: 7/29/2013 14:30

WETLAB Sample ID: 1307665-002

Receive Date: 7/29/2013 15:10

Analyte	Method	Results	Units	DF	RL	Analyzed
Chromium	EPA 200.8	0.0017	mg/L	1	0.0010	8/2/2013
Copper	EPA 200.8	0.020	mg/L	1	0.0025	8/2/2013
Lead	EPA 200.8	0.24	mg/L	10	0.020	8/2/2013
Nickel	EPA 200.8	0.0032	mg/L	1	0.0010	8/2/2013
Selenium	EPA 200.8	0.0094	mg/L	1	0.0020	8/2/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	8/2/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	8/2/2013
Uranium	EPA 200.8	0.031	mg/L	1	0.00040	8/2/2013

Mercury by CVAA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	8/1/2013

Ion Balance

Anions	Calculation	7.29	meq/L	1	0.10	
Cations	Calculation	7.30	meq/L	1	0.10	
Error	Calculation	ND	%	1	1.0	

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		8/1/2013

Customer Sample ID: 63322 29 Jul 13

Collect Date/Time: 7/29/2013 14:30

WETLAB Sample ID: 1307665-003

Receive Date: 7/29/2013 15:10

Analyte	Method	Results	Units	DF	RL	Analyzed
Cyanate	SM 4500 CNL	ND	mg/L	1	0.050	8/3/2013
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	8/2/2013
Temperature at pH	NA	23.8	°C	1		7/29/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	7/31/2013
pH	SM 4500-H+ B	8.40 HT	pH Units	1		7/29/2013
Bicarbonate (HCO3)	SM 2320B	350	mg/L	1	1.0	7/29/2013
Carbonate (CO3)	SM 2320B	5.5	mg/L	1	1.0	7/29/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	7/29/2013
Total Alkalinity	SM 2320B	300	mg/L as CaCO3	1	1.0	7/29/2013
Redox Potential	SM 2580B	-67	mV	1		7/30/2013
Total Nitrogen	Calc.	0.75	mg/L	1	0.10	7/31/2013
Total Cyanide	SM 4500CNC	ND	mg/L	1	0.010	7/30/2013
Total Dissolved Solids (TDS)	SM 2540C	380	mg/L	1	10	7/30/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	7/30/2013
Electrical Conductivity	SM 2510B	620	µmhos/cm	1	1	7/31/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	ND	mg/L	1	0.10	7/30/2013
Fluoride	EPA 300.0	0.40	mg/L	1	0.10	7/30/2013
Sulfate	EPA 300.0	28	mg/L	1	1.0	7/30/2013
Nitrate Nitrogen	EPA 300.0	0.080	mg/L	1	0.010	7/30/2013
Nitrite Nitrogen	EPA 300.0	0.099	mg/L	1	0.010	7/30/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.57	mg/L	1	0.20	7/31/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 29 Jul 13

Collect Date/Time: 7/29/2013 14:30

WETLAB Sample ID: 1307665-003

Receive Date: 7/29/2013 15:10

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	0.77	mg/L	1	0.045	8/2/2013
Barium	EPA 200.7	0.015	mg/L	1	0.010	8/2/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	8/2/2013
Boron	EPA 200.7	0.038	mg/L	1	0.020	8/2/2013
Calcium	EPA 200.7	4.7	mg/L	1	0.500	8/2/2013
Cobalt	EPA 200.7	0.0038	mg/L	1	0.0020	8/2/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	8/2/2013
Iron	EPA 200.7	0.53	mg/L	1	0.010	8/2/2013
Lithium	EPA 200.7	0.039	mg/L	1	0.020	8/2/2013
Magnesium	EPA 200.7	0.44	mg/L	1	0.25	8/2/2013
Manganese	EPA 200.7	0.017	mg/L	1	0.0050	8/2/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	8/2/2013
Phosphorus	EPA 200.7	0.45 B	mg/L	1	0.10	8/2/2013
Potassium	EPA 200.7	2.7	mg/L	1	0.50	8/2/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	8/2/2013
Silicon	EPA 200.7	14	mg/L	1	0.10	8/2/2013
Sodium	EPA 200.7	140	mg/L	1	0.50	8/2/2013
Strontium	EPA 200.7	0.058	mg/L	1	0.0020	8/2/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	8/2/2013
Titanium	EPA 200.7	0.021	mg/L	1	0.0050	8/2/2013
Vanadium	EPA 200.7	0.011	mg/L	1	0.010	8/2/2013
Zinc	EPA 200.7	0.024	mg/L	1	0.010	8/2/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.20	mg/L	10	0.0050	8/2/2013
Arsenic	EPA 200.8	0.92	mg/L	10	0.030	8/2/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	8/2/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	8/2/2013
Chromium	EPA 200.8	0.0012	mg/L	1	0.0010	8/2/2013
Copper	EPA 200.8	0.032	mg/L	1	0.0025	8/2/2013
Lead	EPA 200.8	0.10	mg/L	10	0.020	8/2/2013
Nickel	EPA 200.8	0.0052	mg/L	1	0.0010	8/2/2013
Selenium	EPA 200.8	0.0043	mg/L	1	0.0020	8/2/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	8/2/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	8/2/2013
Uranium	EPA 200.8	0.040	mg/L	1	0.00040	8/2/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	8/1/2013
<u>Ion Balance</u>						
Anions	Calculation	6.53	meq/L	1	0.10	
Cations	Calculation	6.51	meq/L	1	0.10	
Error	Calculation	ND	%	1	1.0	
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		8/1/2013

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Sparks, NV 89431 (775) 355-0202

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1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13071245	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13071245	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13071245	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13071246	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13071246	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13071262	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13071262	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13071264	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13071264	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13071264	Blank 3	Chloride	EPA 300.0	ND	mg/L
QC13071268	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13071268	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13071271	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13071271	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13071272	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13071272	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13071272	Blank 3	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13071288	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13071288	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13071302	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13071302	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13071302	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13071302	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13071302	Blank 5	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13080019	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13080019	Blank 2	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13080043	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13080043	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13080053	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13080053	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13080055	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13080055	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13080055	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13080115	Blank 1	Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L
		Aluminum	EPA 200.7	ND	mg/L

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3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	0.37	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
QC13080165	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13080165	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13080166	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13080166	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13071240	LCS 1	pH	SM 4500-H+ B	6.97	7.00	100	pH Units
QC13071240	LCS 2	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC13071240	LCS 3	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13071244	LCS 1	Total Alkalinity	SM 2320B	98.0	100	98	mg/L
QC13071244	LCS 2	Total Alkalinity	SM 2320B	98.0	100	98	mg/L
QC13071244	LCS 3	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13071244	LCS 4	Total Alkalinity	SM 2320B	99.4	100	99	mg/L
QC13071245	LCS 1	WAD Cyanide	SM 4500CNI	0.094	0.100	94	mg/L
QC13071246	LCS 1	Total Cyanide	SM 4500CNC	0.093	0.100	93	mg/L
QC13071262	LCS 1	Fluoride	EPA 300.0	1.81	2.00	91	mg/L
QC13071264	LCS 1	Chloride	EPA 300.0	5.32	5.00	106	mg/L
QC13071268	LCS 1	Sulfate	EPA 300.0	9.67	10.0	97	mg/L
QC13071271	LCS 1	Nitrite Nitrogen	EPA 300.0	0.487	0.500	97	mg/L
QC13071272	LCS 1	Nitrate Nitrogen	EPA 300.0	0.525	0.500	105	mg/L
QC13071288	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.899	1.00	90	mg/L
QC13071293	LCS 1	Redox Potential	SM 2580B	222	221	100	mV
QC13071302	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.698	0.690	101	mg/L
QC13071302	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.715	0.690	104	mg/L
QC13080019	LCS 1	Electrical Conductivity	SM 2510B	1326	1412	94	µmhos/cm
QC13080043	LCS 1	Mercury	EPA 245.1	0.004820	0.005	96	mg/L
QC13080053	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	144	150	96	mg/L
QC13080053	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	141	150	94	mg/L
QC13080055	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.959	1.00	96	mg/L
QC13080115	LCS 1	Antimony	EPA 200.8	0.0093	0.010	93	mg/L
		Arsenic	EPA 200.8	0.0496	0.050	99	mg/L
		Beryllium	EPA 200.8	0.0094	0.010	94	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13080118	LCS 1	Cadmium	EPA 200.8	0.0101	0.010	101	mg/L
		Chromium	EPA 200.8	0.0097	0.010	97	mg/L
		Copper	EPA 200.8	0.0107	0.010	107	mg/L
		Lead	EPA 200.8	0.0093	0.010	93	mg/L
		Nickel	EPA 200.8	0.0097	0.010	97	mg/L
		Selenium	EPA 200.8	0.0466	0.050	93	mg/L
		Silver	EPA 200.8	0.0094	0.010	94	mg/L
		Thallium	EPA 200.8	0.0091	0.010	91	mg/L
		Uranium	EPA 200.8	0.0091	0.010	91	mg/L
		Aluminum	EPA 200.7	0.983	1.00	98	mg/L
		Barium	EPA 200.7	0.985	1.00	98	mg/L
		Bismuth	EPA 200.7	1.03	1.00	103	mg/L
		Boron	EPA 200.7	0.984	1.00	98	mg/L
		Calcium	EPA 200.7	9.89	10.0	99	mg/L
		Cobalt	EPA 200.7	1.00	1.00	100	mg/L
		Gallium	EPA 200.7	0.979	1.00	98	mg/L
		Iron	EPA 200.7	0.998	1.00	100	mg/L
		Lithium	EPA 200.7	0.933	1.00	93	mg/L
		Magnesium	EPA 200.7	9.90	10.0	99	mg/L
		Manganese	EPA 200.7	0.976	1.00	98	mg/L
		Molybdenum	EPA 200.7	0.979	1.00	98	mg/L
		Phosphorus	EPA 200.7	5.19	5.00	104	mg/L
		Potassium	EPA 200.7	9.72	10.0	97	mg/L
		Scandium	EPA 200.7	0.971	1.00	97	mg/L
		Silicon	EPA 200.7	9.60	10.0	96	mg/L
		Sodium	EPA 200.7	9.35	10.0	94	mg/L
		Strontium	EPA 200.7	1.01	1.00	101	mg/L
		Tin	EPA 200.7	0.984	1.00	98	mg/L
		Titanium	EPA 200.7	0.969	1.00	97	mg/L
		Vanadium	EPA 200.7	0.979	1.00	98	mg/L
		Zinc	EPA 200.7	1.03	1.00	103	mg/L
QC13080166	LCS 1	Cyanate	SM 4500 CNL	1.05	1.00	105	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13071240	Duplicate	pH	SM 4500-H+ B	1307665-001	8.56	8.55	HT	pH Units <1%
QC13071240	Duplicate	pH	SM 4500-H+ B	1307665-002	8.61	8.62	HT	pH Units <1%
QC13071240	Duplicate	pH	SM 4500-H+ B	1307665-003	8.40	8.41	HT	pH Units <1%
QC13071240	Duplicate	pH	SM 4500-H+ B	1307670-001	2.55	2.56	HT	pH Units <1%
QC13071240	Duplicate	pH	SM 4500-H+ B	1307671-001	7.65	7.71	HT	pH Units 1 %
QC13071240	Duplicate	pH	SM 4500-H+ B	1307673-010	3.73	3.64	HT	pH Units 2 %
QC13071244	Duplicate	Bicarbonate (HCO3)	SM 2320B	1307665-001	306	309		mg/L 1 %
		Carbonate (CO3)	SM 2320B	1307665-001	13.2	11.8		mg/L 12 %
		Hydroxide (OH)	SM 2320B	1307665-001	ND	ND		mg/L <1%
		Total Alkalinity	SM 2320B	1307665-001	273	273		mg/L as CaCO3 <1%
QC13071244	Duplicate	Bicarbonate (HCO3)	SM 2320B	1307665-002	288	287		mg/L <1%
		Carbonate (CO3)	SM 2320B	1307665-002	14.1	14.4		mg/L 2 %
		Hydroxide (OH)	SM 2320B	1307665-002	ND	ND		mg/L <1%
		Total Alkalinity	SM 2320B	1307665-002	260	259		mg/L as CaCO3 <1%

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13071244	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1307665-003	352	352	mg/L	<1%
		Carbonate (CO ₃)	SM 2320B	1307665-003	5.46	5.36	mg/L	2 %
		Hydroxide (OH)	SM 2320B	1307665-003	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1307665-003	298	298	mg/L as CaCO ₃	<1%
QC13071244	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1307673-013	2.60	5.30	Q mg/L	68 %
		Carbonate (CO ₃)	SM 2320B	1307673-013	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1307673-013	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1307673-013	2.13	4.35	Q mg/L as CaCO ₃	69 %
QC13071244	Duplicate	Bicarbonate (HCO ₃)	SM 2320B	1307671-001	36.6	37.3	mg/L	2 %
		Carbonate (CO ₃)	SM 2320B	1307671-001	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1307671-001	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1307671-001	30.0	30.6	mg/L as CaCO ₃	2 %
QC13071293	Duplicate	Redox Potential	SM 2580B	1307673-001	128	112	Q mV	14 %
QC13071293	Duplicate	Redox Potential	SM 2580B	1307673-011	283	275	mV	3 %
QC13080019	Duplicate	Electrical Conductivity	SM 2510B	1307673-001	28.3	27.2	µmhos/cm	4 %
QC13080019	Duplicate	Electrical Conductivity	SM 2510B	1307673-008	8.28	7.99	µmhos/cm	4 %
QC13080053	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1307551-001	197	192	mg/L	3 %
QC13080053	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1307577-002	347	342	mg/L	1 %
QC13080053	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1307604-002	314	312	mg/L	1 %
QC13080166	Duplicate	Cyanate	SM 4500 CNL	1307665-001	0.198	0.205	mg/L	3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13071245	MS 1	WAD Cyanide	SM 4500CNI	1307665-001	0.023	0.125	0.121	0.100	mg/L	102	98	3 %
QC13071245	MS 2	WAD Cyanide	SM 4500CNI	1307619-001	ND	0.093	0.090	0.100	mg/L	93	90	3 %
QC13071246	MS 1	Total Cyanide	SM 4500CNC	1307665-001	0.146	0.257	0.256	0.100	mg/L	110	109	<1%
QC13071262	MS 1	Fluoride	EPA 300.0	1307620-005	0.236	2.10	2.11	2.00	mg/L	93	94	<1%
QC13071264	MS 1	Chloride	EPA 300.0	1307620-005	29.5	34.0	34.2	5.00	mg/L	90	96	1 %
QC13071264	MS 2	Chloride	EPA 300.0	1307621-004	5.26	10.6	10.7	5.00	mg/L	108	108	1 %
QC13071268	MS 1	Sulfate	EPA 300.0	1307620-005	22.2	32.5	32.5	10.0	mg/L	103	104	<1%
QC13071271	MS 1	Nitrite Nitrogen	EPA 300.0	1307665-003	0.099	0.352	0.346	0.250	mg/L	101	99	2 %
QC13071272	MS 1	Nitrate Nitrogen	EPA 300.0	1307665-003	0.080	1.04	1.03	1.00	mg/L	96	95	1 %
QC13071272	MS 2	Nitrate Nitrogen	EPA 300.0	1307687-009	ND	1.06	1.08	1.00	mg/L	106	108	2 %
QC13071288	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1307546-002	0.135	1.07	1.10	1.00	mg/L	94	97	3 %
QC13071302	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1307586-002	0.606	1.32	1.56	0.690	mg/L	103	138	17 %
QC13071302	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1307619-001	ND	0.815	0.844	0.690	mg/L	105	109	3 %
QC13071302	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1307620-001	ND	0.748	0.751	0.690	mg/L	108	109	<1%
QC13071302	MS 4	Total Kjeldahl Nitrogen	EPA 351.2	1307641-007	0.444	1.15	1.07	0.690	mg/L	102	91	7 %
QC13080043	MS 1	Mercury	EPA 245.1	1307665-001	ND	0.004970	0.005060	0.005	mg/L	99	101	2 %
QC13080055	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1307682-002	0.136	1.00	1.11	1.00	mg/L	87	97	10 %
QC13080055	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1307568-001	ND	1.02	0.987	1.00	mg/L	102	99	3 %
QC13080115	MS 1	Antimony	EPA 200.8	1307665-001	0.3835	0.3931	0.3866	0.010	mg/L	96	31	2 %
		Arsenic	EPA 200.8	1307665-001	1.8795	1.9388	1.9159	0.050	mg/L	119	73	1 %
		Beryllium	EPA 200.8	1307665-001	ND	0.0096	0.0095	0.010	mg/L	96	95	1 %
		Cadmium	EPA 200.8	1307665-001	ND	0.0097	0.0096	0.010	mg/L	97	96	1 %
		Chromium	EPA 200.8	1307665-001	0.0020	0.0110	0.0112	0.010	mg/L	90	92	2 %
		Copper	EPA 200.8	1307665-001	0.0092	0.0179	0.0180	0.010	mg/L	87	88	1 %

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13080118	MS 1	Lead	EPA 200.8	1307665-001	0.2867	0.2969	0.2941	0.010	mg/L	102	74	1 %
		Nickel	EPA 200.8	1307665-001	0.0027	0.0120	0.0119	0.010	mg/L	93	92	1 %
		Selenium	EPA 200.8	1307665-001	0.0081	0.0514	0.0516	0.050	mg/L	87	87	<1%
		Silver	EPA 200.8	1307665-001	ND	0.0092	0.0091	0.010	mg/L	92	91	1 %
		Thallium	EPA 200.8	1307665-001	ND	0.0090	0.0091	0.010	mg/L	90	91	1 %
		Uranium	EPA 200.8	1307665-001	0.0247	0.0341	0.0337	0.010	mg/L	94	90	1 %
		Aluminum	EPA 200.7	1307665-001	2.85	4.03	4.03	1.00	mg/L	118	118	<1%
		Barium	EPA 200.7	1307665-001	0.040	1.03	1.03	1.00	mg/L	99	99	<1%
		Bismuth	EPA 200.7	1307665-001	ND	1.02	1.01	1.00	mg/L	101	100	1 %
		Boron	EPA 200.7	1307665-001	0.034	1.07	1.06	1.00	mg/L	104	103	1 %
		Calcium	EPA 200.7	1307665-001	8.78	18.2	18.1	10.0	mg/L	94	93	1 %
		Cobalt	EPA 200.7	1307665-001	0.002	1.01	0.999	1.00	mg/L	101	100	1 %
		Gallium	EPA 200.7	1307665-001	ND	0.920	0.916	1.00	mg/L	92	91	<1%
		Iron	EPA 200.7	1307665-001	1.37	2.35	2.36	1.00	mg/L	98	99	<1%
		Lithium	EPA 200.7	1307665-001	ND	1.01	1.01	1.00	mg/L	100	100	<1%
		Magnesium	EPA 200.7	1307665-001	0.496	10.4	10.3	10.0	mg/L	99	98	1 %
		Manganese	EPA 200.7	1307665-001	0.048	1.03	1.02	1.00	mg/L	98	97	1 %
		Molybdenum	EPA 200.7	1307665-001	ND	0.988	0.989	1.00	mg/L	98	98	<1%
		Phosphorus	EPA 200.7	1307665-001	0.931	B 5.90	5.87	5.00	mg/L	99	99	1 %
		Potassium	EPA 200.7	1307665-001	4.06	14.1	14.3	10.0	mg/L	100	102	1 %
		Scandium	EPA 200.7	1307665-001	ND	0.994	0.986	1.00	mg/L	99	99	1 %
		Silicon	EPA 200.7	1307665-001	27.9	38.6	38.1	10.0	mg/L	107	102	1 %
		Sodium	EPA 200.7	1307665-001	138	147	146	10.0	mg/L	90	80	1 %
		Strontium	EPA 200.7	1307665-001	0.107	1.10	1.10	1.00	mg/L	99	99	<1%
		Tin	EPA 200.7	1307665-001	ND	0.982	0.980	1.00	mg/L	98	98	<1%
		Titanium	EPA 200.7	1307665-001	0.032	0.994	0.995	1.00	mg/L	96	96	<1%
		Vanadium	EPA 200.7	1307665-001	0.019	1.02	1.01	1.00	mg/L	100	99	1 %
		Zinc	EPA 200.7	1307665-001	0.031	1.11	1.10	1.00	mg/L	108	107	1 %
QC13080165	MS 1	Thiocyanate	SM 4500 CN	1307665-001	ND	0.935	0.950	1.00	mg/L	93	95	2 %

8/27/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1308215

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, online edition, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 8/12/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassiday and Associates - 1308215

General Comments

None

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Aluminum on sample 1308215-001 and Total Kjeldahl Nitrogen on sample 1308215-003 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

The analysis of the laboratory method blank revealed concentrations of Phosphorus above the reporting limit during the analysis of samples 1308215-002 and 003. We apologize for any inconvenience this may have caused.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: 43116 / Eagle Gold

Date Printed: 8/27/2013

OrderID: 1308215

Customer Sample ID: 63301 12 Aug 13

Collect Date/Time: 8/12/2013 13:30

WETLAB Sample ID: 1308215-001

Receive Date: 8/12/2013 13:50

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Redox Potential	ASTM D1498	-115	mV	1		8/13/2013
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	8/13/2013
Temperature at pH	NA	23.2	°C	1		8/12/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.10	8/15/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	8/13/2013
pH	SM 4500-H+ B	8.54	pH Units	1		8/12/2013
Bicarbonate (HCO3)	SM 2320B	280	mg/L	1	1.0	8/12/2013
Carbonate (CO3)	SM 2320B	8.9	mg/L	1	1.0	8/12/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	8/12/2013
Total Alkalinity	SM 2320B	240	mg/L as CaCO3	1	1.0	8/12/2013
Total Nitrogen	Calc.	1.8	mg/L	1	0.10	8/19/2013
Total Cyanide	SM 4500CNC	0.11	mg/L	1	0.010	8/14/2013
Total Dissolved Solids (TDS)	SM 2540C	420	mg/L	1	10	8/14/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	8/13/2013
Electrical Conductivity	SM 2510B	590	µmhos/cm	1	1	8/13/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.12	mg/L	1	0.10	8/13/2013
Fluoride	EPA 300.0	0.58	mg/L	1	0.10	8/13/2013
Sulfate	EPA 300.0	53	mg/L	1	1.0	8/13/2013
Nitrate Nitrogen	EPA 300.0	1.1	mg/L	1	0.010	8/13/2013
Nitrite Nitrogen	EPA 300.0	0.17	mg/L	1	0.010	8/13/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.54	mg/L	1	0.10	8/19/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.1	M mg/L	1	0.045	8/16/2013
Barium	EPA 200.7	0.029	mg/L	1	0.010	8/16/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	8/16/2013
Boron	EPA 200.7	0.029	mg/L	1	0.020	8/16/2013
Calcium	EPA 200.7	7.0	mg/L	1	0.500	8/16/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	8/16/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	8/16/2013
Iron	EPA 200.7	1.0	mg/L	1	0.010	8/16/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63301 12 Aug 13

Collect Date/Time: 8/12/2013 13:30

WETLAB Sample ID: 1308215-001

Receive Date: 8/12/2013 13:50

Analyte	Method	Results	Units	DF	RL	Analyzed
Lithium	EPA 200.7	ND	mg/L	1	0.020	8/16/2013
Magnesium	EPA 200.7	0.45	mg/L	1	0.25	8/16/2013
Manganese	EPA 200.7	0.036	mg/L	1	0.0050	8/16/2013
Molybdenum	EPA 200.7	0.0053	mg/L	1	0.0050	8/16/2013
Phosphorus	EPA 200.7	0.74	mg/L	1	0.50	8/16/2013
Potassium	EPA 200.7	3.3	mg/L	1	0.50	8/16/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	8/16/2013
Silicon	EPA 200.7	22	mg/L	1	0.10	8/16/2013
Sodium	EPA 200.7	120	mg/L	1	0.50	8/16/2013
Strontium	EPA 200.7	0.082	mg/L	1	0.0020	8/16/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	8/16/2013
Titanium	EPA 200.7	0.023	mg/L	1	0.0050	8/16/2013
Vanadium	EPA 200.7	0.019	mg/L	1	0.010	8/16/2013
Zinc	EPA 200.7	0.026	mg/L	1	0.010	8/16/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.36 SC	mg/L	10	0.0050	8/21/2013
Arsenic	EPA 200.8	1.7 SC	mg/L	10	0.030	8/21/2013
Beryllium	EPA 200.8	0.00042	mg/L	1	0.00035	8/21/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	8/21/2013
Chromium	EPA 200.8	0.0013	mg/L	1	0.0010	8/21/2013
Copper	EPA 200.8	0.012	mg/L	1	0.0025	8/21/2013
Lead	EPA 200.8	0.23 SC	mg/L	10	0.020	8/21/2013
Nickel	EPA 200.8	0.0023	mg/L	1	0.0010	8/21/2013
Selenium	EPA 200.8	0.0062	mg/L	1	0.0020	8/21/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	8/21/2013
Thallium	EPA 200.8	ND	mg/L	1	0.0010	8/22/2013
Uranium	EPA 200.8	0.022	mg/L	1	0.00040	8/21/2013

Mercury by CVAA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	8/15/2013

Ion Balance

Anions	Calculation	6.10	meq/L	1	0.10	
Cations	Calculation	5.94	meq/L	1	0.10	
Error	Calculation	1.3	%	1	1.0	

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		8/15/2013

Customer Sample ID: 63316 12 Aug 13

Collect Date/Time: 8/12/2013 13:30

WETLAB Sample ID: 1308215-002

Receive Date: 8/12/2013 13:50

Analyte	Method	Results	Units	DF	RL	Analyzed
Redox Potential	ASTM D1498	-64	mV	1		8/13/2013
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	8/13/2013
Temperature at pH	NA	23.4	°C	1		8/12/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.10	8/15/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

Customer Sample ID: 63316 12 Aug 13

Collect Date/Time: 8/12/2013 13:30

WETLAB Sample ID: 1308215-002

Receive Date: 8/12/2013 13:50

Analyte	Method	Results	Units	DF	RL	Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	8/13/2013
pH	SM 4500-H+ B	7.54 HT	pH Units	1		8/12/2013
Bicarbonate (HCO3)	SM 2320B	39	mg/L	1	1.0	8/12/2013
Carbonate (CO3)	SM 2320B	ND	mg/L	1	1.0	8/12/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	8/12/2013
Total Alkalinity	SM 2320B	32	mg/L as CaCO3	1	1.0	8/12/2013
Total Nitrogen	Calc.	0.17	mg/L	1	0.10	8/19/2013
Total Cyanide	SM 4500CNC	ND	mg/L	1	0.010	8/14/2013
Total Dissolved Solids (TDS)	SM 2540C	49	mg/L	1	10	8/14/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	8/13/2013
Electrical Conductivity	SM 2510B	75	µmhos/cm	1	1	8/13/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	ND	mg/L	1	0.10	8/13/2013
Fluoride	EPA 300.0	ND	mg/L	1	0.10	8/13/2013
Sulfate	EPA 300.0	5.2	mg/L	1	1.0	8/13/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	8/13/2013
Nitrite Nitrogen	EPA 300.0	0.069	mg/L	1	0.010	8/13/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.10	mg/L	1	0.10	8/19/2013

Trace Metals by ICP-OES

Aluminum	EPA 200.7	0.27	mg/L	1	0.045	8/16/2013
Barium	EPA 200.7	0.0078	mg/L	1	0.0010	8/16/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	8/16/2013
Boron	EPA 200.7	ND	mg/L	1	0.020	8/16/2013
Calcium	EPA 200.7	3.1	mg/L	1	0.500	8/16/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	8/16/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	8/16/2013
Iron	EPA 200.7	0.16	mg/L	1	0.010	8/16/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	8/16/2013
Magnesium	EPA 200.7	ND	mg/L	1	0.25	8/16/2013
Manganese	EPA 200.7	0.0061	mg/L	1	0.0050	8/16/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	8/16/2013
Phosphorus	EPA 200.7	0.23 B	mg/L	1	0.10	8/16/2013
Potassium	EPA 200.7	0.46	mg/L	1	0.25	8/16/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	8/16/2013
Silicon	EPA 200.7	1.9	mg/L	1	0.10	8/16/2013
Sodium	EPA 200.7	14	mg/L	1	0.50	8/16/2013
Strontium	EPA 200.7	0.025	mg/L	1	0.0020	8/16/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	8/16/2013
Titanium	EPA 200.7	ND	mg/L	1	0.0050	8/16/2013
Vanadium	EPA 200.7	ND	mg/L	1	0.010	8/16/2013
Zinc	EPA 200.7	ND	mg/L	1	0.010	8/16/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.073	mg/L	1	0.00050	8/21/2013
Arsenic	EPA 200.8	0.15	mg/L	1	0.0030	8/21/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	8/21/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	8/21/2013

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63316 12 Aug 13

Collect Date/Time: 8/12/2013 13:30

WETLAB Sample ID: 1308215-002

Receive Date: 8/12/2013 13:50

Analyte	Method	Results	Units	DF	RL	Analyzed
Chromium	EPA 200.8	ND	mg/L	1	0.0010	8/21/2013
Copper	EPA 200.8	0.0037	mg/L	1	0.0025	8/21/2013
Lead	EPA 200.8	0.11	mg/L	10	0.020	8/21/2013
Nickel	EPA 200.8	ND	mg/L	1	0.0010	8/21/2013
Selenium	EPA 200.8	ND	mg/L	1	0.0020	8/21/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	8/21/2013
Thallium	EPA 200.8	ND	mg/L	1	0.0010	8/22/2013
Uranium	EPA 200.8	0.0026	mg/L	1	0.00040	8/21/2013

Mercury by CVAA

Mercury	EPA 245.1	ND	mg/L	1	0.00010	8/15/2013

Ion Balance

Anions	Calculation	0.75	meq/L	1	0.10
Cations	Calculation	0.80	meq/L	1	0.10
Error	Calculation	3.6	%	1	1.0

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		8/15/2013

Customer Sample ID: 63322 12 Aug 13

Collect Date/Time: 8/12/2013 13:30

WETLAB Sample ID: 1308215-003

Receive Date: 8/12/2013 13:50

Analyte	Method	Results	Units	DF	RL	Analyzed
Redox Potential	ASTM D1498	-96	mV	1		8/13/2013
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	8/13/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.10	8/15/2013
Temperature at pH	NA	23	°C	1		8/12/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	8/13/2013
pH	SM 4500-H+ B	8.42 HT	pH Units	1		8/12/2013
Bicarbonate (HCO3)	SM 2320B	310	mg/L	1	1.0	8/12/2013
Carbonate (CO3)	SM 2320B	5.0	mg/L	1	1.0	8/12/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	8/12/2013
Total Alkalinity	SM 2320B	260	mg/L as CaCO3	1	1.0	8/12/2013
Total Nitrogen	Calc.	0.51	mg/L	1	0.10	8/19/2013
Total Cyanide	SM 4500CNC	0.014	mg/L	1	0.010	8/14/2013
Total Dissolved Solids (TDS)	SM 2540C	420	mg/L	1	10	8/14/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	8/13/2013
Electrical Conductivity	SM 2510B	630	µmhos/cm	1	1	8/13/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	0.20	mg/L	1	0.10	8/13/2013
Fluoride	EPA 300.0	0.38	mg/L	1	0.10	8/13/2013
Sulfate	EPA 300.0	65	mg/L	1	1.0	8/13/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	8/13/2013
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.010	8/13/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.51 M	mg/L	1	0.10	8/19/2013

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EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63322 12 Aug 13

Collect Date/Time: 8/12/2013 13:30

WETLAB Sample ID: 1308215-003

Receive Date: 8/12/2013 13:50

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	0.75	mg/L	1	0.045	8/16/2013
Barium	EPA 200.7	0.014	mg/L	1	0.010	8/16/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	8/16/2013
Boron	EPA 200.7	0.032	mg/L	1	0.020	8/16/2013
Calcium	EPA 200.7	4.6	mg/L	1	0.500	8/16/2013
Cobalt	EPA 200.7	0.0020	mg/L	1	0.0020	8/16/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	8/16/2013
Iron	EPA 200.7	0.44	mg/L	1	0.010	8/16/2013
Lithium	EPA 200.7	0.042	mg/L	1	0.020	8/16/2013
Magnesium	EPA 200.7	0.43	mg/L	1	0.25	8/16/2013
Manganese	EPA 200.7	0.013	mg/L	1	0.0050	8/16/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	8/16/2013
Phosphorus	EPA 200.7	0.42 B	mg/L	1	0.10	8/16/2013
Potassium	EPA 200.7	2.6	mg/L	1	0.50	8/16/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	8/16/2013
Silicon	EPA 200.7	12	mg/L	1	0.10	8/16/2013
Sodium	EPA 200.7	140	mg/L	1	0.50	8/16/2013
Strontium	EPA 200.7	0.056	mg/L	1	0.0020	8/16/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	8/16/2013
Titanium	EPA 200.7	0.019	mg/L	1	0.0050	8/16/2013
Vanadium	EPA 200.7	ND	mg/L	1	0.010	8/16/2013
Zinc	EPA 200.7	0.018	mg/L	1	0.010	8/16/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.18	mg/L	10	0.0050	8/21/2013
Arsenic	EPA 200.8	0.71	mg/L	1	0.0030	8/21/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	8/21/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	8/21/2013
Chromium	EPA 200.8	0.0011	mg/L	1	0.0010	8/21/2013
Copper	EPA 200.8	0.024	mg/L	1	0.0025	8/21/2013
Lead	EPA 200.8	0.10	mg/L	10	0.020	8/21/2013
Nickel	EPA 200.8	0.0013	mg/L	1	0.0010	8/21/2013
Selenium	EPA 200.8	0.0031	mg/L	1	0.0020	8/21/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	8/21/2013
Thallium	EPA 200.8	ND	mg/L	1	0.0010	8/22/2013
Uranium	EPA 200.8	0.042	mg/L	1	0.00040	8/21/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	8/15/2013
<u>Ion Balance</u>						
Anions	Calculation	6.63	meq/L	1	0.10	
Cations	Calculation	6.49	meq/L	1	0.10	
Error	Calculation	1.0	%	1	1.0	
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		8/15/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13080446	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13080446	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13080448	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13080448	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13080451	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13080451	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13080456	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13080456	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13080457	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13080457	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13080463	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13080464	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13080464	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13080464	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13080473	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13080473	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13080473	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13080474	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13080474	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13080513	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13080513	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13080537	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13080537	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L
QC13080569	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13080569	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13080593	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13080593	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13080595	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	0.19	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L

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3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC13080637	Blank 1	Zinc	EPA 200.7	ND	mg/L
QC13080637	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13080637	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13080637	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13080637	Blank 5	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13080637	Blank 6	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13080777	Blank 1	Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13080442	LCS 1	pH	SM 4500-H+ B	6.99	7.00	100	pH Units
QC13080444	LCS 1	Total Alkalinity	SM 2320B	101	100	101	mg/L
QC13080444	LCS 2	Total Alkalinity	SM 2320B	99.2	100	99	mg/L
QC13080446	LCS 1	Fluoride	EPA 300.0	2.07	2.00	103	mg/L
QC13080448	LCS 1	Chloride	EPA 300.0	5.22	5.00	104	mg/L
QC13080451	LCS 1	Sulfate	EPA 300.0	10.2	10.0	102	mg/L
QC13080456	LCS 1	Nitrite Nitrogen	EPA 300.0	0.523	0.500	105	mg/L
QC13080457	LCS 1	Nitrate Nitrogen	EPA 300.0	0.517	0.500	103	mg/L
QC13080462	LCS 1	Redox Potential	ASTM D1498	220	221	100	mV
QC13080463	LCS 1	Electrical Conductivity	SM 2510B	1324	1412	94	µmhos/cm
QC13080464	LCS 1	WAD Cyanide	SM 4500CNI	0.094	0.100	94	mg/L
QC13080473	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.995	1.00	99	mg/L
QC13080473	LCS 2	Ammonia, as Nitrogen	SM 4500 NH3 D	0.898	1.00	90	mg/L
QC13080513	LCS 1	Total Cyanide	SM 4500CNC	0.090	0.100	90	mg/L
QC13080537	LCS 1	Cyanate	SM 4500 CNL	1.02	1.00	102	mg/L
QC13080569	LCS 1	Mercury	EPA 245.1	0.004940	0.005	99	mg/L
QC13080593	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	163	150	108	mg/L
QC13080593	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	151	150	100	mg/L
QC13080595	LCS 1	Aluminum	EPA 200.7	0.989	1.00	99	mg/L
		Barium	EPA 200.7	0.990	1.00	99	mg/L
		Bismuth	EPA 200.7	1.01	1.00	101	mg/L
		Boron	EPA 200.7	0.991	1.00	99	mg/L
		Calcium	EPA 200.7	9.87	10.0	99	mg/L
		Cobalt	EPA 200.7	0.999	1.00	100	mg/L
		Gallium	EPA 200.7	0.988	1.00	99	mg/L
		Iron	EPA 200.7	0.968	1.00	97	mg/L
		Lithium	EPA 200.7	0.958	1.00	96	mg/L
		Magnesium	EPA 200.7	9.69	10.0	97	mg/L
		Manganese	EPA 200.7	0.987	1.00	99	mg/L
		Molybdenum	EPA 200.7	0.991	1.00	99	mg/L
		Phosphorus	EPA 200.7	5.27	5.00	105	mg/L
		Potassium	EPA 200.7	9.80	10.0	98	mg/L

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 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13080637	LCS 1	Scandium	EPA 200.7	0.982	1.00	98	mg/L
		Silicon	EPA 200.7	9.60	10.0	96	mg/L
		Sodium	EPA 200.7	9.86	10.0	99	mg/L
		Strontium	EPA 200.7	0.995	1.00	100	mg/L
		Tin	EPA 200.7	0.974	1.00	97	mg/L
		Titanium	EPA 200.7	0.985	1.00	98	mg/L
		Vanadium	EPA 200.7	0.986	1.00	99	mg/L
		Zinc	EPA 200.7	1.02	1.00	102	mg/L
		Total Kjeldahl Nitrogen	EPA 351.2	0.662	0.690	96	mg/L
		Total Kjeldahl Nitrogen	EPA 351.2	0.724	0.690	105	mg/L
		Total Kjeldahl Nitrogen	EPA 351.2	0.643	0.690	93	mg/L
		Antimony	EPA 200.8	0.0096	0.010	96	mg/L
		Arsenic	EPA 200.8	0.0510	0.050	102	mg/L
		Beryllium	EPA 200.8	0.0099	0.010	99	mg/L
		Cadmium	EPA 200.8	0.0100	0.010	100	mg/L
		Chromium	EPA 200.8	0.0096	0.010	96	mg/L
		Copper	EPA 200.8	0.0099	0.010	99	mg/L
		Lead	EPA 200.8	0.0100	0.010	100	mg/L
		Nickel	EPA 200.8	0.0101	0.010	101	mg/L
		Selenium	EPA 200.8	0.0480	0.050	96	mg/L
		Silver	EPA 200.8	0.0098	0.010	98	mg/L
		Thallium	EPA 200.8	0.0089	0.010	89	mg/L
		Uranium	EPA 200.8	0.0097	0.010	97	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD	
QC13080442	Duplicate	pH	SM 4500-H+ B	1308208-001	7.62	7.61	HT	pH Units	<1%
QC13080442	Duplicate	pH	SM 4500-H+ B	1308215-001	8.54	8.55	HT	pH Units	<1%
QC13080444	Duplicate	Bicarbonate (HCO3)	SM 2320B	1308208-001	169	168		mg/L	<1%
		Carbonate (CO3)	SM 2320B	1308208-001	ND	ND		mg/L	<1%
		Hydroxide (OH)	SM 2320B	1308208-001	ND	ND		mg/L	<1%
		Total Alkalinity	SM 2320B	1308208-001	138	138		mg/L as CaCO3	<1%
		Bicarbonate (HCO3)	SM 2320B	1308215-001	281	279		mg/L	1 %
QC13080444	Duplicate	Carbonate (CO3)	SM 2320B	1308215-001	8.86	9.52		mg/L	7 %
		Hydroxide (OH)	SM 2320B	1308215-001	ND	ND		mg/L	<1%
		Total Alkalinity	SM 2320B	1308215-001	245	244		mg/L as CaCO3	<1%
		Redox Potential	ASTM D1498	1308215-001	ND	ND		mV	1 %
QC13080463	Duplicate	Electrical Conductivity	SM 2510B	1308215-001	594	583		µmhos/cm	2 %
QC13080537	Duplicate	Cyanate	SM 4500 CNL	1308215-001	ND	ND		mg/L	<1%
QC13080593	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1308208-002	507	502		mg/L	1 %
QC13080593	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1308229-001	333	327		mg/L	2 %
QC13080593	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1308232-004	478	464		mg/L	3 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13080446	MS 1	Fluoride	EPA 300.0	1308207-001	0.137	1.95	1.98	2.00	mg/L	91	92	2 %
QC13080448	MS 1	Chloride	EPA 300.0	1308207-001	7.14	12.2	12.3	5.00	mg/L	102	103	1 %
QC13080451	MS 1	Sulfate	EPA 300.0	1308207-001	32.3	43.0	43.1	10.0	mg/L	107	108	<1%
QC13080456	MS 1	Nitrite Nitrogen	EPA 300.0	1308215-002	0.069	0.315	0.316	0.250	mg/L	98	99	<1%

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13080457	MS 1	Nitrate Nitrogen	EPA 300.0	1308211-001	0.329	2.24	2.32	1.00	mg/L	95	99	4 %
QC13080464	MS 1	WAD Cyanide	SM 4500CNI	1308175-001	ND	0.103	0.107	0.100	mg/L	103	107	4 %
QC13080464	MS 2	WAD Cyanide	SM 4500CNI	1308107-002	ND	0.091	0.101	0.100	mg/L	91	101	10 %
QC13080473	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1308153-002	0.113	1.12	1.11	1.00	mg/L	100	99	1 %
QC13080473	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1308133-001	0.068	0.918	0.962	1.00	mg/L	85	89	5 %
QC13080474	MS 1	Thiocyanate	SM 4500 CN	1308215-001	ND	0.937	0.913	1.00	mg/L	94	91	3 %
QC13080513	MS 1	Total Cyanide	SM 4500CNC	1308215-001	0.114	0.224	0.220	0.100	mg/L	110	105	2 %
QC13080513	MS 2	Total Cyanide	SM 4500CNC	1308136-001	ND	M 0	0	0.100	mg/L	NC	NC	NC
QC13080569	MS 1	Mercury	EPA 245.1	1308215-001	ND	0.005140	0.005050	0.005	mg/L	103	101	2 %
QC13080595	MS 1	Aluminum	EPA 200.7	1308215-001	2.08	M 3.39	3.43	1.00	mg/L	NC	NC	NC
		Barium	EPA 200.7	1308215-001	0.029	1.02	1.02	1.00	mg/L	99	99	<1%
		Bismuth	EPA 200.7	1308215-001	ND	1.02	1.03	1.00	mg/L	101	102	1 %
		Boron	EPA 200.7	1308215-001	0.029	1.06	1.07	1.00	mg/L	103	104	1 %
		Calcium	EPA 200.7	1308215-001	6.96	16.9	17.0	10.0	mg/L	99	100	1 %
		Cobalt	EPA 200.7	1308215-001	ND	0.992	0.999	1.00	mg/L	99	100	1 %
		Gallium	EPA 200.7	1308215-001	ND	0.936	0.942	1.00	mg/L	93	94	1 %
		Iron	EPA 200.7	1308215-001	1.01	2.05	2.05	1.00	mg/L	104	104	<1%
		Lithium	EPA 200.7	1308215-001	ND	0.944	0.938	1.00	mg/L	93	93	1 %
		Magnesium	EPA 200.7	1308215-001	0.454	10.0	10.1	10.0	mg/L	95	96	1 %
		Manganese	EPA 200.7	1308215-001	0.036	1.02	1.02	1.00	mg/L	98	98	<1%
		Molybdenum	EPA 200.7	1308215-001	0.005	0.995	0.997	1.00	mg/L	99	99	<1%
		Phosphorus	EPA 200.7	1308215-001	0.737	5.94	6.01	5.00	mg/L	104	105	1 %
		Potassium	EPA 200.7	1308215-001	3.30	13.2	13.4	10.0	mg/L	99	101	2 %
		Scandium	EPA 200.7	1308215-001	ND	0.990	0.995	1.00	mg/L	99	99	1 %
		Silicon	EPA 200.7	1308215-001	21.5	32.2	32.7	10.0	mg/L	107	112	2 %
		Sodium	EPA 200.7	1308215-001	125	136	140	10.0	mg/L	110	150	3 %
		Strontium	EPA 200.7	1308215-001	0.082	1.08	1.06	1.00	mg/L	100	98	2 %
		Tin	EPA 200.7	1308215-001	ND	0.972	0.973	1.00	mg/L	98	98	<1%
		Titanium	EPA 200.7	1308215-001	0.023	0.999	0.991	1.00	mg/L	98	97	1 %
		Vanadium	EPA 200.7	1308215-001	0.019	1.02	1.02	1.00	mg/L	100	100	<1%
		Zinc	EPA 200.7	1308215-001	0.026	1.11	1.13	1.00	mg/L	108	110	2 %
QC13080637	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1308190-001	1.13	M 2.39	3.06	0.690	mg/L	NC	NC	NC
QC13080637	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1308215-003	0.505	M 1.11	1.13	0.690	mg/L	NC	NC	NC
QC13080637	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1308141-001	ND	0.690	0.673	0.690	mg/L	98	96	2 %
QC13080637	MS 4	Total Kjeldahl Nitrogen	EPA 351.2	1308142-007	ND	0.703	0.701	0.690	mg/L	102	102	<1%
QC13080637	MS 5	Total Kjeldahl Nitrogen	EPA 351.2	1308208-001	ND	M 0.893	0.744	0.690	mg/L	NC	NC	NC
QC13080637	MS 6	Total Kjeldahl Nitrogen	EPA 351.2	1308231-001	0.220	M 1.17	0.953	0.690	mg/L	NC	NC	NC
QC13080777	MS 1	Antimony	EPA 200.8	1308215-001	0.3642	SC 0.3566	0.3670	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1308215-001	1.6965	SC 1.7617	1.8178	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1308215-001	0.0004	0.0097	0.0098	0.010	mg/L	93	94	1 %
		Cadmium	EPA 200.8	1308215-001	ND	0.0089	0.0088	0.010	mg/L	89	88	1 %
		Chromium	EPA 200.8	1308215-001	0.0013	0.0108	0.0109	0.010	mg/L	94	95	1 %
		Copper	EPA 200.8	1308215-001	0.0121	0.0202	0.0214	0.010	mg/L	81	93	6 %
		Lead	EPA 200.8	1308215-001	0.2334	SC 0.2244	0.2499	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1308215-001	0.0023	0.0133	0.0147	0.010	mg/L	110	123	10 %
		Selenium	EPA 200.8	1308215-001	0.0062	0.0505	0.0498	0.050	mg/L	89	87	1 %
		Silver	EPA 200.8	1308215-001	ND	0.0090	0.0091	0.010	mg/L	90	91	1 %
		Thallium	EPA 200.8	1308215-001	ND	0.0090	0.0095	0.010	mg/L	90	95	5 %
		Uranium	EPA 200.8	1308215-001	0.0224	0.0321	0.0333	0.010	mg/L	97	109	4 %

9/6/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1308505

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, online edition, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 8/26/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassidy and Associates - 1308505

General Comments

WETLAB noticed that sample 1308505-002 had elevated results for Aluminum, Calcium and Iron. However, reanalysis confirmed the original results.

Specific Comments

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Mercury on sample 1308505-001 and Thiocyanate on sample 1308505-003 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Sample 1308505-002 had unexpectedly high metals results as well as an unacceptable cation/anion balance percent error. It was determined that the sample included dirt/particulate matter. It is thought that these particulates had a high metals concentration which upset the expected cation/anion balance. WETLAB recommends analyzing dissolved metals in the future if possible.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: 43167 / Eagle Gold

Date Printed: 9/6/2013

OrderID: 1308505

Customer Sample ID: 63301 26 Aug 13

Collect Date/Time: 8/26/2013 13:10

WETLAB Sample ID: 1308505-001

Receive Date: 8/26/2013 14:15

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Redox Potential	ASTM D1498	-119	mV	1		8/26/2013
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	9/3/2013
Temperature at pH	NA	23.2	°C	1		8/26/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.10	9/3/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	8/28/2013
pH	SM 4500-H+ B	8.49	pH Units	1		8/26/2013
Bicarbonate (HCO3)	SM 2320B	260	mg/L	1	1.0	8/26/2013
Carbonate (CO3)	SM 2320B	9.2	mg/L	1	1.0	8/26/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	8/26/2013
Total Alkalinity	SM 2320B	230	mg/L as CaCO3	1	1.0	8/26/2013
Total Nitrogen	Calc.	1.7	mg/L	1	0.10	8/29/2013
Total Cyanide	SM 4500CNC	0.13	mg/L	1	0.010	8/27/2013
Total Dissolved Solids (TDS)	SM 2540C	390	mg/L	1	10	8/27/2013
WAD Cyanide	SM 4500CNI	0.018	mg/L	1	0.010	8/27/2013
Electrical Conductivity	SM 2510B	560	µmhos/cm	1	1	8/28/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.15	mg/L	1	0.10	8/27/2013
Fluoride	EPA 300.0	0.53	mg/L	1	0.10	8/27/2013
Sulfate	EPA 300.0	51	mg/L	1	1.0	8/27/2013
Nitrate Nitrogen	EPA 300.0	1.1	mg/L	1	0.010	8/27/2013
Nitrite Nitrogen	EPA 300.0	0.11	mg/L	1	0.010	8/27/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.50	mg/L	1	0.20	8/29/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	2.1	mg/L	1	0.045	9/3/2013
Barium	EPA 200.7	0.029	mg/L	1	0.010	9/3/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	9/3/2013
Boron	EPA 200.7	0.037	mg/L	1	0.020	9/3/2013
Calcium	EPA 200.7	7.6	mg/L	1	0.500	9/3/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	9/3/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	9/3/2013
Iron	EPA 200.7	1.0	mg/L	1	0.010	9/3/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63301 26 Aug 13

Collect Date/Time: 8/26/2013 13:10

WETLAB Sample ID: 1308505-001

Receive Date: 8/26/2013 14:15

Analyte	Method	Results	Units	DF	RL	Analyzed
Lithium	EPA 200.7	ND	mg/L	1	0.020	9/3/2013
Magnesium	EPA 200.7	0.51	mg/L	1	0.50	9/3/2013
Manganese	EPA 200.7	0.033	mg/L	1	0.0050	9/3/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	9/3/2013
Phosphorus	EPA 200.7	0.53	mg/L	1	0.50	9/3/2013
Potassium	EPA 200.7	4.8	mg/L	1	0.50	9/3/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	9/3/2013
Silicon	EPA 200.7	21	mg/L	1	0.10	9/3/2013
Sodium	EPA 200.7	150 SC	mg/L	1	0.50	9/3/2013
Strontium	EPA 200.7	0.086	mg/L	1	0.0020	9/3/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	9/3/2013
Titanium	EPA 200.7	0.025	mg/L	1	0.0050	9/3/2013
Vanadium	EPA 200.7	0.015	mg/L	1	0.010	9/3/2013
Zinc	EPA 200.7	0.022	mg/L	1	0.010	9/3/2013

Trace Metals by ICP-MS

Antimony	EPA 200.8	0.30 SC	mg/L	10	0.0050	9/3/2013
Arsenic	EPA 200.8	1.5 SC	mg/L	10	0.030	9/3/2013
Beryllium	EPA 200.8	0.00042	mg/L	1	0.00035	9/3/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	9/3/2013
Chromium	EPA 200.8	0.0012	mg/L	1	0.0010	9/3/2013
Copper	EPA 200.8	0.0098	mg/L	1	0.0025	9/3/2013
Lead	EPA 200.8	0.18 SC	mg/L	10	0.020	9/3/2013
Nickel	EPA 200.8	0.0024	mg/L	1	0.0010	9/3/2013
Selenium	EPA 200.8	0.0078	mg/L	1	0.0020	9/3/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	9/3/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	9/4/2013
Uranium	EPA 200.8	0.019	mg/L	1	0.00040	9/3/2013

Mercury by CVAA

Mercury	EPA 245.1	0.00036M	mg/L	1	0.00010	9/3/2013

Ion Balance

Anions	Calculation	5.74	meq/L	1	0.10	
Cations	Calculation	7.36	meq/L	1	0.10	
Error	Calculation	12	%	1	1.0	

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		9/3/2013

Customer Sample ID: 63316 26 Aug 13

Collect Date/Time: 8/26/2013 13:10

WETLAB Sample ID: 1308505-002

Receive Date: 8/26/2013 14:15

Analyte	Method	Results	Units	DF	RL	Analyzed
Redox Potential	ASTM D1498	-155	mV	1		8/26/2013
Thiocyanate	SM 4500 CNM	0.62	mg/L	1	0.10	9/3/2013
Temperature at pH	NA	23.2	°C	1		8/26/2013
Cyanate	SM 4500 CNL	0.16	mg/L	1	0.10	9/3/2013

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Customer Sample ID: 63316 26 Aug 13

Collect Date/Time: 8/26/2013 13:10

WETLAB Sample ID: 1308505-002

Receive Date: 8/26/2013 14:15

Analyte	Method	Results	Units	DF	RL	Analyzed
Ammonia, as Nitrogen	SM 4500 NH3 D	0.27	mg/L	1	0.050	8/28/2013
pH	SM 4500-H+ B	8.01 HT	pH Units	1		8/26/2013
Bicarbonate (HCO3)	SM 2320B	260	mg/L	1	1.0	8/26/2013
Carbonate (CO3)	SM 2320B	ND	mg/L	1	1.0	8/26/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	8/26/2013
Total Alkalinity	SM 2320B	220	mg/L as CaCO3	1	1.0	8/26/2013
Total Nitrogen	Calc.	2.1	mg/L	1	0.10	8/29/2013
Total Cyanide	SM 4500CNC	0.097	mg/L	1	0.010	8/27/2013
Total Dissolved Solids (TDS)	SM 2540C	520	mg/L	1	10	8/27/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	8/27/2013
Electrical Conductivity	SM 2510B	590	µmhos/cm	1	1	8/28/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.51	mg/L	1	0.10	8/27/2013
Fluoride	EPA 300.0	0.72	mg/L	1	0.10	8/27/2013
Sulfate	EPA 300.0	84	mg/L	1	1.0	8/27/2013
Nitrate Nitrogen	EPA 300.0	0.23	mg/L	1	0.010	8/27/2013
Nitrite Nitrogen	EPA 300.0	0.070	mg/L	1	0.010	8/27/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	1.8	mg/L	1	0.20	8/29/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	6.4	mg/L	1	0.045	9/3/2013
Barium	EPA 200.7	0.068	mg/L	1	0.010	9/3/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	9/3/2013
Boron	EPA 200.7	0.038	mg/L	1	0.020	9/3/2013
Calcium	EPA 200.7	13	mg/L	1	0.500	9/3/2013
Cobalt	EPA 200.7	0.010	mg/L	1	0.010	9/3/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	9/3/2013
Iron	EPA 200.7	4.6	mg/L	1	0.010	9/3/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	9/3/2013
Magnesium	EPA 200.7	0.91	mg/L	1	0.50	9/3/2013
Manganese	EPA 200.7	0.086	mg/L	1	0.0050	9/3/2013
Molybdenum	EPA 200.7	0.0062	mg/L	1	0.0050	9/3/2013
Phosphorus	EPA 200.7	0.95	mg/L	1	0.50	9/3/2013
Potassium	EPA 200.7	5.0	mg/L	1	0.50	9/3/2013
Scandium	EPA 200.7	0.0019	mg/L	1	0.0010	9/3/2013
Silicon	EPA 200.7	38	mg/L	1	0.10	9/3/2013
Sodium	EPA 200.7	160	mg/L	1	0.50	9/3/2013
Strontium	EPA 200.7	0.12	mg/L	1	0.10	9/3/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	9/3/2013
Titanium	EPA 200.7	0.068	mg/L	1	0.0050	9/3/2013
Vanadium	EPA 200.7	0.032	mg/L	1	0.010	9/3/2013
Zinc	EPA 200.7	0.076	mg/L	1	0.010	9/3/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.43	mg/L	10	0.0050	9/3/2013
Arsenic	EPA 200.8	2.5	mg/L	10	0.030	9/3/2013
Beryllium	EPA 200.8	0.0009	mg/L	1	0.00035	9/3/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	9/3/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63316 26 Aug 13

Collect Date/Time: 8/26/2013 13:10

WETLAB Sample ID: 1308505-002

Receive Date: 8/26/2013 14:15

Analyte	Method	Results	Units	DF	RL	Analyzed
Chromium	EPA 200.8	0.0040	mg/L	1	0.0010	9/3/2013
Copper	EPA 200.8	0.087	mg/L	1	0.0025	9/3/2013
Lead	EPA 200.8	0.53	mg/L	10	0.020	9/3/2013
Nickel	EPA 200.8	0.012	mg/L	1	0.0010	9/3/2013
Selenium	EPA 200.8	0.049	mg/L	1	0.0020	9/3/2013
Silver	EPA 200.8	0.0015	mg/L	1	0.0015	9/3/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	9/4/2013
Uranium	EPA 200.8	0.053	mg/L	1	0.00040	9/3/2013

Mercury by CVAA

Mercury	EPA 245.1	0.00028	mg/L	1	0.00010	9/3/2013

Ion Balance

Anions	Calculation	6.08	meq/L	1	0.10
Cations	Calculation	8.79	meq/L	1	0.10
Error	Calculation	18	%	1	1.0

Sample Preparation

Trace Metals Digestion	EPA 200.2	Complete		1		9/3/2013

Customer Sample ID: 63322 26 Aug 13

Collect Date/Time: 8/26/2013 13:10

WETLAB Sample ID: 1308505-003

Receive Date: 8/26/2013 14:15

Analyte	Method	Results	Units	DF	RL	Analyzed
Redox Potential	ASTM D1498	-138	mV	1		8/26/2013
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	9/3/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.10	9/3/2013
Temperature at pH	NA	23	°C	1		8/26/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	8/28/2013
pH	SM 4500-H+ B	8.32	pH Units	1		8/26/2013
Bicarbonate (HCO3)	SM 2320B	300	mg/L	1	1.0	8/26/2013
Carbonate (CO3)	SM 2320B	2.1	mg/L	1	1.0	8/26/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	8/26/2013
Total Alkalinity	SM 2320B	250	mg/L as CaCO3	1	1.0	8/26/2013
Total Nitrogen	Calc.	0.32	mg/L	1	0.10	8/29/2013
Total Cyanide	SM 4500CNC	0.010	mg/L	1	0.010	8/27/2013
Total Dissolved Solids (TDS)	SM 2540C	400	mg/L	1	10	8/27/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	8/27/2013
Electrical Conductivity	SM 2510B	630	µmhos/cm	1	1	8/28/2013

Anions by Ion Chromatography

Chloride	EPA 300.0	0.12	mg/L	1	0.10	8/27/2013
Fluoride	EPA 300.0	0.37	mg/L	1	0.10	8/27/2013
Sulfate	EPA 300.0	79	mg/L	1	1.0	8/27/2013
Nitrate Nitrogen	EPA 300.0	ND	mg/L	1	0.010	8/27/2013
Nitrite Nitrogen	EPA 300.0	ND	mg/L	1	0.010	8/27/2013

Flow Injection Analyses

Total Kjeldahl Nitrogen	EPA 351.2	0.32	mg/L	1	0.20	8/29/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 26 Aug 13

Collect Date/Time: 8/26/2013 13:10

WETLAB Sample ID: 1308505-003

Receive Date: 8/26/2013 14:15

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	0.77	mg/L	1	0.045	9/3/2013
Barium	EPA 200.7	0.012	mg/L	1	0.010	9/3/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	9/3/2013
Boron	EPA 200.7	0.033	mg/L	1	0.020	9/3/2013
Calcium	EPA 200.7	5.0	mg/L	1	0.500	9/3/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	9/3/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	9/3/2013
Iron	EPA 200.7	0.44	mg/L	1	0.010	9/3/2013
Lithium	EPA 200.7	0.045	mg/L	1	0.020	9/3/2013
Magnesium	EPA 200.7	0.44	mg/L	1	0.25	9/3/2013
Manganese	EPA 200.7	0.013	mg/L	1	0.0050	9/3/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	9/3/2013
Phosphorus	EPA 200.7	0.35	mg/L	1	0.10	9/3/2013
Potassium	EPA 200.7	3.4	mg/L	1	0.50	9/3/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	9/3/2013
Silicon	EPA 200.7	12	mg/L	1	0.10	9/3/2013
Sodium	EPA 200.7	170	mg/L	1	0.50	9/3/2013
Strontium	EPA 200.7	0.058	mg/L	1	0.0020	9/3/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	9/3/2013
Titanium	EPA 200.7	0.018	mg/L	1	0.0050	9/3/2013
Vanadium	EPA 200.7	ND	mg/L	1	0.010	9/3/2013
Zinc	EPA 200.7	0.016	mg/L	1	0.010	9/3/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.19	mg/L	10	0.0050	9/3/2013
Arsenic	EPA 200.8	0.68	mg/L	1	0.0030	9/3/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	9/3/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	9/3/2013
Chromium	EPA 200.8	ND	mg/L	1	0.0010	9/3/2013
Copper	EPA 200.8	0.023	mg/L	1	0.0025	9/3/2013
Lead	EPA 200.8	0.089	mg/L	1	0.0020	9/3/2013
Nickel	EPA 200.8	0.0011	mg/L	1	0.0010	9/3/2013
Selenium	EPA 200.8	0.0069	mg/L	1	0.0020	9/3/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	9/3/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	9/4/2013
Uranium	EPA 200.8	0.039	mg/L	1	0.00040	9/3/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	9/3/2013
<u>Ion Balance</u>						
Anions	Calculation	6.65	meq/L	1	0.10	
Cations	Calculation	7.84	meq/L	1	0.10	
Error	Calculation	8.2	%	1	1.0	
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		9/3/2013

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13080968	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13080968	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13080969	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13080969	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13080970	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13080970	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13080970	Blank 3	Fluoride	EPA 300.0	ND	mg/L
QC13080971	Blank 1	Chloride	EPA 300.0	ND	mg/L
QC13080971	Blank 2	Chloride	EPA 300.0	ND	mg/L
QC13080971	Blank 3	Chloride	EPA 300.0	ND	mg/L
QC13080975	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13080975	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13080975	Blank 3	Sulfate	EPA 300.0	ND	mg/L
QC13080977	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13080977	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13080978	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13080978	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13081004	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13081004	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13081004	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13081042	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13081042	Blank 2	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13081048	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13081048	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13081048	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13081048	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13081048	Blank 5	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13081093	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13081093	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13090026	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13090026	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13090029	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13090029	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13090032	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	ND	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
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 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
QC13090042	Blank 1	Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L
		Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
QC13090093	Blank 1	Uranium	EPA 200.8	ND	mg/L
QC13090093	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13090093	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13080942	LCS 1	Redox Potential	ASTM D1498	230	221	104	mV
QC13080943	LCS 1	pH	SM 4500-H+ B	6.97	7.00	100	pH Units
QC13080943	LCS 2	pH	SM 4500-H+ B	6.97	7.00	100	pH Units
QC13080946	LCS 1	Total Alkalinity	SM 2320B	96.8	100	97	mg/L
QC13080946	LCS 2	Total Alkalinity	SM 2320B	97.1	100	97	mg/L
QC13080946	LCS 3	Total Alkalinity	SM 2320B	97.8	100	98	mg/L
QC13080968	LCS 1	WAD Cyanide	SM 4500CNI	0.090	0.100	90	mg/L
QC13080969	LCS 1	Total Cyanide	SM 4500CNC	0.088	0.100	88	mg/L
QC13080970	LCS 1	Fluoride	EPA 300.0	2.05	2.00	103	mg/L
QC13080971	LCS 1	Chloride	EPA 300.0	10.3	10.0	103	mg/L
QC13080975	LCS 1	Sulfate	EPA 300.0	25.0	25.0	100	mg/L
QC13080977	LCS 1	Nitrite Nitrogen	EPA 300.0	0.522	0.500	104	mg/L
QC13080978	LCS 1	Nitrate Nitrogen	EPA 300.0	0.535	0.500	107	mg/L
QC13081004	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.917	1.00	92	mg/L
QC13081042	LCS 1	Electrical Conductivity	SM 2510B	1311	1412	93	µmhos/cm
QC13081048	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.647	0.690	94	mg/L
QC13081048	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.679	0.690	98	mg/L
QC13081093	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	153	150	102	mg/L
QC13081093	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	145	150	97	mg/L
QC13090026	LCS 1	Mercury	EPA 245.1	0.005290	0.005	106	mg/L
QC13090032	LCS 1	Aluminum	EPA 200.7	1.01	1.00	101	mg/L
		Barium	EPA 200.7	1.00	1.00	100	mg/L
		Bismuth	EPA 200.7	1.04	1.00	104	mg/L
		Boron	EPA 200.7	0.994	1.00	99	mg/L
		Calcium	EPA 200.7	10.1	10.0	101	mg/L
		Cobalt	EPA 200.7	1.01	1.00	101	mg/L
		Gallium	EPA 200.7	0.990	1.00	99	mg/L
		Iron	EPA 200.7	0.985	1.00	98	mg/L
		Lithium	EPA 200.7	0.937	1.00	94	mg/L
		Magnesium	EPA 200.7	9.99	10.0	100	mg/L

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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13090042	LCS 1	Manganese	EPA 200.7	0.997	1.00	100	mg/L
		Molybdenum	EPA 200.7	0.992	1.00	99	mg/L
		Phosphorus	EPA 200.7	5.22	5.00	104	mg/L
		Potassium	EPA 200.7	9.99	10.0	100	mg/L
		Scandium	EPA 200.7	0.991	1.00	99	mg/L
		Silicon	EPA 200.7	9.60	10.0	96	mg/L
		Sodium	EPA 200.7	9.97	10.0	100	mg/L
		Strontium	EPA 200.7	1.02	1.00	102	mg/L
		Tin	EPA 200.7	0.971	1.00	97	mg/L
		Titanium	EPA 200.7	0.982	1.00	98	mg/L
		Vanadium	EPA 200.7	0.991	1.00	99	mg/L
		Zinc	EPA 200.7	1.02	1.00	102	mg/L
		Antimony	EPA 200.8	0.0094	0.010	94	mg/L
		Arsenic	EPA 200.8	0.0465	0.050	93	mg/L
		Beryllium	EPA 200.8	0.0097	0.010	97	mg/L
		Cadmium	EPA 200.8	0.0098	0.010	98	mg/L
		Chromium	EPA 200.8	0.0093	0.010	93	mg/L
		Copper	EPA 200.8	0.0097	0.010	97	mg/L
		Lead	EPA 200.8	0.0097	0.010	97	mg/L
		Nickel	EPA 200.8	0.0096	0.010	96	mg/L
		Selenium	EPA 200.8	0.0450	0.050	90	mg/L
		Silver	EPA 200.8	0.0097	0.010	97	mg/L
		Thallium	EPA 200.8	0.0092	0.010	92	mg/L
		Uranium	EPA 200.8	0.0097	0.010	97	mg/L
QC13090093	LCS 1	Cyanate	SM 4500 CNL	1.11	1.00	111	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13080942	Duplicate	Redox Potential	ASTM D1498	1308505-001	ND	ND	mV	1 %
QC13080943	Duplicate	pH	SM 4500-H+ B	1308486-009	7.38	7.45	HT pH Units	1 %
QC13080943	Duplicate	pH	SM 4500-H+ B	1308486-012	7.34	7.27	HT pH Units	1 %
QC13080943	Duplicate	pH	SM 4500-H+ B	1308506-001	2.58	2.59	HT pH Units	<1%
QC13080946	Duplicate	Bicarbonate (HCO3)	SM 2320B	1308486-009	95.1	95.7	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1308486-009	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1308486-009	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1308486-009	78.0	78.5	mg/L as CaCO3	1 %
QC13080946	Duplicate	Bicarbonate (HCO3)	SM 2320B	1308486-012	111	110	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1308486-012	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1308486-012	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1308486-012	91.3	90.3	mg/L as CaCO3	1 %
QC13080946	Duplicate	Bicarbonate (HCO3)	SM 2320B	1308505-002	263	264	mg/L	1 %
		Carbonate (CO3)	SM 2320B	1308505-002	ND	ND	mg/L	<1%
		Hydroxide (OH)	SM 2320B	1308505-002	ND	ND	mg/L	<1%
		Total Alkalinity	SM 2320B	1308505-002	215	217	mg/L as CaCO3	1 %
QC13081042	Duplicate	Electrical Conductivity	SM 2510B	1308536-001	348	341	µmhos/cm	2 %
QC13081042	Duplicate	Electrical Conductivity	SM 2510B	1308536-006	174	171	µmhos/cm	2 %
QC13081093	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1308405-001	300	302	mg/L	1 %
QC13081093	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1308415-005	532	521	mg/L	2 %

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 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC13081093	Duplicate	Total Dissolved Solids (TDS)	SM 2540C	1308476-001	792	786	mg/L	1 %
QC13090093	Duplicate	Cyanate	SM 4500 CNL	1308505-001	ND	ND	mg/L	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13080968	MS 1	WAD Cyanide	SM 4500CNI	1308505-001	0.018	0.120	0.105	0.100	mg/L	102	87	13 %
QC13080969	MS 1	Total Cyanide	SM 4500CNC	1308505-002	0.097	0.187	0.200	0.100	mg/L	91	103	7 %
QC13080970	MS 1	Fluoride	EPA 300.0	1308495-001	ND	1.89	1.94	2.00	mg/L	92	95	3 %
QC13080970	MS 2	Fluoride	EPA 300.0	1308517-001	0.172	2.02	2.04	2.00	mg/L	92	93	1 %
QC13080971	MS 1	Chloride	EPA 300.0	1308495-001	1.64	7.28	7.12	5.00	mg/L	113	110	2 %
QC13080971	MS 2	Chloride	EPA 300.0	1308517-001	21.5	26.3	26.4	5.00	mg/L	96	98	<1%
QC13080975	MS 1	Sulfate	EPA 300.0	1308495-001	2.14	11.9	11.6	10.0	mg/L	97	95	3 %
QC13080975	MS 2	Sulfate	EPA 300.0	1308517-001	46.5	57.1	57.3	10.0	mg/L	106	108	<1%
QC13080977	MS 1	Nitrite Nitrogen	EPA 300.0	1308495-001	ND	M 0.159	0.157	0.500	mg/L	NC	NC	NC
QC13080978	MS 1	Nitrate Nitrogen	EPA 300.0	1308495-001	0.312	M 1.52	1.52	0.500	mg/L	NC	NC	NC
QC13081004	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1308481-002	0.106	1.04	1.07	1.00	mg/L	93	96	3 %
QC13081004	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1308431-009	ND	0.978	0.953	1.00	mg/L	98	95	3 %
QC13081048	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1308511-001	ND	0.826	0.914	0.690	mg/L	98	111	10 %
QC13081048	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1308523-001	0.588	M 1.39	1.38	0.690	mg/L	NC	NC	NC
QC13081048	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1308486-003	0.944	1.59	1.62	0.690	mg/L	93	98	2 %
QC13081048	MS 4	Total Kjeldahl Nitrogen	EPA 351.2	1308486-010	ND	0.742	0.711	0.690	mg/L	102	97	4 %
QC13090026	MS 1	Mercury	EPA 245.1	1308505-001	0.000360	M 0.003840	0.003680	0.005	mg/L	NC	NC	NC
QC13090029	MS 1	Thiocyanate	SM 4500 CN	1308505-003	ND	M 0.773	0.757	1.00	mg/L	NC	NC	NC
QC13090032	MS 1	Aluminum	EPA 200.7	1308505-001	2.12	3.15	3.10	1.00	mg/L	103	98	2 %
		Barium	EPA 200.7	1308505-001	0.029	0.993	0.994	1.00	mg/L	96	96	<1%
		Bismuth	EPA 200.7	1308505-001	ND	0.986	0.992	1.00	mg/L	98	99	1 %
		Boron	EPA 200.7	1308505-001	0.037	1.06	1.07	1.00	mg/L	102	103	1 %
		Calcium	EPA 200.7	1308505-001	7.64	18.1	17.7	10.0	mg/L	105	101	2 %
		Cobalt	EPA 200.7	1308505-001	ND	1.01	1.01	1.00	mg/L	101	101	<1%
		Gallium	EPA 200.7	1308505-001	ND	0.929	0.933	1.00	mg/L	93	94	<1%
		Iron	EPA 200.7	1308505-001	0.997	2.05	2.01	1.00	mg/L	105	101	2 %
		Lithium	EPA 200.7	1308505-001	ND	1.30	1.30	1.00	mg/L	130	130	<1%
		Magnesium	EPA 200.7	1308505-001	0.506	11.2	11.0	10.0	mg/L	107	105	2 %
		Manganese	EPA 200.7	1308505-001	0.033	1.03	1.03	1.00	mg/L	100	100	<1%
		Molybdenum	EPA 200.7	1308505-001	ND	0.984	0.986	1.00	mg/L	98	98	<1%
		Phosphorus	EPA 200.7	1308505-001	0.526	5.68	5.66	5.00	mg/L	103	103	<1%
		Potassium	EPA 200.7	1308505-001	4.79	16.4	16.3	10.0	mg/L	116	115	1 %
		Scandium	EPA 200.7	1308505-001	ND	0.982	0.979	1.00	mg/L	98	98	<1%
		Silicon	EPA 200.7	1308505-001	20.8	32.7	31.8	10.0	mg/L	119	110	3 %
		Sodium	EPA 200.7	1308505-001	147	SC 171	167	10.0	mg/L	NC	NC	NC
		Strontium	EPA 200.7	1308505-001	0.086	1.09	1.09	1.00	mg/L	100	100	<1%
		Tin	EPA 200.7	1308505-001	ND	0.958	0.951	1.00	mg/L	96	96	1 %
		Titanium	EPA 200.7	1308505-001	0.025	1.01	0.998	1.00	mg/L	98	97	1 %
		Vanadium	EPA 200.7	1308505-001	0.015	1.01	1.01	1.00	mg/L	99	99	<1%
		Zinc	EPA 200.7	1308505-001	0.022	1.08	1.08	1.00	mg/L	106	106	<1%
QC13090042	MS 1	Antimony	EPA 200.8	1308505-001	0.3002	SC 0.2986	0.3051	0.010	mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1308505-001	1.4693	SC 1.4844	1.4617	0.050	mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1308505-001	0.0004	0.0095	0.0094	0.010	mg/L	91	90	1 %
		Cadmium	EPA 200.8	1308505-001	ND	0.0090	0.0089	0.010	mg/L	88	88	1 %
		Chromium	EPA 200.8	1308505-001	0.0012	0.0106	0.0106	0.010	mg/L	94	94	<1%
		Copper	EPA 200.8	1308505-001	0.0098	0.0191	0.0201	0.010	mg/L	93	103	5 %

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119
 Sparks, NV 89431 (775) 355-0202
 EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy
 Elko, NV 89801 (775) 777-9933
 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
		Lead	EPA 200.8	1308505-001	0.1850	SC 0.1903	0.1881	0.010	mg/L	NC	NC	NC
		Nickel	EPA 200.8	1308505-001	0.0024	0.0113	0.0112	0.010	mg/L	89	88	1 %
		Selenium	EPA 200.8	1308505-001	0.0078	0.0514	0.0513	0.050	mg/L	87	87	<1%
		Silver	EPA 200.8	1308505-001	ND	0.0091	0.0092	0.010	mg/L	86	87	1 %
		Thallium	EPA 200.8	1308505-001	ND	0.0090	0.0090	0.010	mg/L	90	90	<1%
		Uranium	EPA 200.8	1308505-001	0.0194	0.0284	0.0279	0.010	mg/L	91	86	2 %

9/17/2013

Kappes, Cassiday and Associates
7950 Security Circle
Reno, NV 89506
Attn: Terry Albert

OrderID: 1309142

Dear: Terry Albert

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, online edition, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 9/9/2013. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Delaney", with a stylized flourish at the end.

Jennifer Delaney
QA Specialist

Western Environmental Testing Laboratory

Report Comments

Kappes, Cassidy and Associates - 1309142

General Comments

None

Specific Comments

The analysis of the laboratory method blank revealed concentrations of Phosphorus above the reporting limit during the analysis of samples 1309142-001 thru 003. We apologize for any inconvenience this may have caused.

The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of Mercury on sample 1309142-001 were outside laboratory acceptance criteria; however, the relative percent difference (RPD) value was acceptable, indicating probable matrix interference. The reported result should be considered an estimate.

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Reporting limit is elevated due to required sample dilution
- DF -- Dilution Factor
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- M -- Reported value is estimated; The sample matrix interfered with the analysis
- MCL -- State or EPA Maximum Contamination Level
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- ND -- Non-detect result; Indicates the result was below the reporting limit (RL)
- Q -- Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
- RL -- Reporting Limit or Practical Quantitation Limit
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered

Western Environmental Testing Laboratory

Analytical Report

Kappes, Cassiday and Associates

7950 Security Circle

Reno, NV 89506

Attn: Terry Albert

Phone: (775) 972-7575 Fax: (775) 972-4567

PO\Project: Eagle Gold

Date Printed: 9/17/2013

OrderID: 1309142

Customer Sample ID: 63301 9 Sep 13

Collect Date/Time: 9/9/2013 14:15

WETLAB Sample ID: 1309142-001

Receive Date: 9/9/2013 14:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Redox Potential	ASTM D1498	-151	mV	1		9/9/2013
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	9/16/2013
Temperature at pH	NA	24.6	°C	1		9/9/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.10	9/12/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	9/16/2013
pH	SM 4500-H+ B	8.43 HT	pH Units	1		9/9/2013
Bicarbonate (HCO3)	SM 2320B	250	mg/L	1	1.0	9/9/2013
Carbonate (CO3)	SM 2320B	4.3	mg/L	1	1.0	9/9/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	9/9/2013
Total Alkalinity	SM 2320B	210	mg/L as CaCO3	1	1.0	9/9/2013
Total Nitrogen	Calc.	1.4	mg/L	1	0.10	9/13/2013
Total Cyanide	SM 4500CNC	0.11	mg/L	1	0.010	9/13/2013
Total Dissolved Solids (TDS)	SM 2540C	350	mg/L	1	10	9/11/2013
WAD Cyanide	SM 4500CNI	0.019	mg/L	1	0.010	9/12/2013
Electrical Conductivity	SM 2510B	530	µmhos/cm	1	1	9/10/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.11	mg/L	1	0.10	9/10/2013
Fluoride	EPA 300.0	0.45	mg/L	1	0.10	9/10/2013
Sulfate	EPA 300.0	43	mg/L	10	10	9/11/2013
Nitrate Nitrogen	EPA 300.0	0.78	mg/L	1	0.010	9/10/2013
Nitrite Nitrogen	EPA 300.0	0.098	mg/L	1	0.010	9/10/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.50	mg/L	1	0.20	9/13/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	1.6	mg/L	1	0.045	9/16/2013
Barium	EPA 200.7	0.019	mg/L	1	0.010	9/16/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	9/16/2013
Boron	EPA 200.7	0.027	mg/L	1	0.020	9/16/2013
Calcium	EPA 200.7	5.8	mg/L	1	0.500	9/16/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	9/16/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	9/16/2013
Iron	EPA 200.7	0.74	mg/L	1	0.010	9/16/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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475 East Greg Street Suite #119

Sparks, NV 89431 (775) 355-0202

EPA Lab ID: NV00925 - ELAP No: 25

1084 Lamoille Hwy

Elko, NV 89801 (775) 777-9933

EPA Lab ID: NV00926

3230 Polaris Ave #4

Las Vegas, NV 89102 (702) 475-8899

EPA Lab ID: NV00932

Customer Sample ID: 63301 9 Sep 13

Collect Date/Time: 9/9/2013 14:15

WETLAB Sample ID: 1309142-001

Receive Date: 9/9/2013 14:40

Analyte	Method	Results	Units	DF	RL	Analyzed
Lithium	EPA 200.7	ND	mg/L	1	0.020	9/16/2013
Magnesium	EPA 200.7	0.43	mg/L	1	0.25	9/16/2013
Manganese	EPA 200.7	0.021	mg/L	1	0.0050	9/16/2013
Molybdenum	EPA 200.7	0.0096	mg/L	1	0.0050	9/16/2013
Phosphorus	EPA 200.7	0.36 B	mg/L	1	0.10	9/16/2013
Potassium	EPA 200.7	4.4	mg/L	1	0.50	9/16/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	9/16/2013
Silicon	EPA 200.7	18	mg/L	1	0.10	9/16/2013
Sodium	EPA 200.7	120	mg/L	1	0.50	9/16/2013
Strontium	EPA 200.7	0.078	mg/L	1	0.0020	9/16/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	9/16/2013
Titanium	EPA 200.7	0.014	mg/L	1	0.0050	9/16/2013
Vanadium	EPA 200.7	0.013	mg/L	1	0.010	9/16/2013
Zinc	EPA 200.7	0.011	mg/L	1	0.010	9/16/2013
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.26 SC	mg/L	10	0.0050	9/14/2013
Arsenic	EPA 200.8	1.4 SC	mg/L	10	0.030	9/14/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	9/13/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	9/13/2013
Chromium	EPA 200.8	0.0011	mg/L	1	0.0010	9/13/2013
Copper	EPA 200.8	0.0058	mg/L	1	0.0025	9/13/2013
Lead	EPA 200.8	0.14 SC	mg/L	10	0.020	9/14/2013
Nickel	EPA 200.8	0.0020	mg/L	1	0.0010	9/13/2013
Selenium	EPA 200.8	0.0052	mg/L	1	0.0020	9/13/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	9/13/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	9/13/2013
Uranium	EPA 200.8	0.016	mg/L	1	0.00040	9/13/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND M	mg/L	1	0.00010	9/12/2013
<u>Ion Balance</u>						
Anions	Calculation	5.22	meq/L	1	0.10	
Cations	Calculation	5.84	meq/L	1	0.10	
Error	Calculation	5.6	%	1	1.0	
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		9/13/2013

Customer Sample ID: 63316 9 Sep 13

Collect Date/Time: 9/9/2013 14:15

WETLAB Sample ID: 1309142-002

Receive Date: 9/9/2013 14:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Redox Potential	ASTM D1498	-166	mV	1		9/9/2013
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	9/16/2013
Temperature at pH	NA	24.4	°C	1		9/9/2013
Cyanate	SM 4500 CNL	0.10	mg/L	1	0.10	9/12/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	0.069	mg/L	1	0.050	9/16/2013
pH	SM 4500-H+ B	8.49 HT	pH Units	1		9/9/2013
Bicarbonate (HCO3)	SM 2320B	190	mg/L	1	1.0	9/9/2013
Carbonate (CO3)	SM 2320B	5.1	mg/L	1	1.0	9/9/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	9/9/2013
Total Alkalinity	SM 2320B	160	mg/L as CaCO3	1	1.0	9/9/2013
Total Nitrogen	Calc.	0.94	mg/L	1	0.10	9/13/2013
Total Cyanide	SM 4500CNC	0.033	mg/L	1	0.010	9/13/2013
Total Dissolved Solids (TDS)	SM 2540C	440	mg/L	1	10	9/11/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	9/12/2013
Electrical Conductivity	SM 2510B	680	µmhos/cm	1	1	9/10/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	0.17	mg/L	1	0.10	9/10/2013
Fluoride	EPA 300.0	0.46	mg/L	1	0.10	9/10/2013
Sulfate	EPA 300.0	150	mg/L	10	10	9/11/2013
Nitrate Nitrogen	EPA 300.0	0.17	mg/L	1	0.010	9/10/2013
Nitrite Nitrogen	EPA 300.0	0.071	mg/L	1	0.010	9/10/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.70	mg/L	1	0.20	9/13/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	1.1	mg/L	1	0.045	9/16/2013
Barium	EPA 200.7	0.012	mg/L	1	0.010	9/16/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	9/16/2013
Boron	EPA 200.7	0.020	mg/L	1	0.020	9/16/2013
Calcium	EPA 200.7	4.5	mg/L	1	0.500	9/16/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	9/16/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	9/16/2013
Iron	EPA 200.7	0.62	mg/L	1	0.010	9/16/2013
Lithium	EPA 200.7	ND	mg/L	1	0.020	9/16/2013
Magnesium	EPA 200.7	ND	mg/L	1	0.25	9/16/2013
Manganese	EPA 200.7	0.0089	mg/L	1	0.0050	9/16/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	9/16/2013
Phosphorus	EPA 200.7	0.34 B	mg/L	1	0.10	9/16/2013
Potassium	EPA 200.7	4.0	mg/L	1	0.50	9/16/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	9/16/2013
Silicon	EPA 200.7	17	mg/L	1	0.10	9/16/2013
Sodium	EPA 200.7	140	mg/L	1	0.50	9/16/2013
Strontium	EPA 200.7	0.061	mg/L	1	0.0020	9/16/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	9/16/2013
Titanium	EPA 200.7	0.013	mg/L	1	0.0050	9/16/2013
Vanadium	EPA 200.7	0.013	mg/L	1	0.010	9/16/2013
Zinc	EPA 200.7	ND	mg/L	1	0.010	9/16/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63316 9 Sep 13

Collect Date/Time: 9/9/2013 14:15

WETLAB Sample ID: 1309142-002

Receive Date: 9/9/2013 14:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.26	mg/L	10	0.0050	9/14/2013
Arsenic	EPA 200.8	1.1	mg/L	10	0.030	9/14/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	9/13/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	9/13/2013
Chromium	EPA 200.8	ND	mg/L	1	0.0010	9/13/2013
Copper	EPA 200.8	0.015	mg/L	1	0.0025	9/13/2013
Lead	EPA 200.8	0.085	mg/L	1	0.0020	9/13/2013
Nickel	EPA 200.8	0.0022	mg/L	1	0.0010	9/13/2013
Selenium	EPA 200.8	0.0090	mg/L	1	0.0020	9/13/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	9/13/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	9/13/2013
Uranium	EPA 200.8	0.031	mg/L	1	0.00040	9/13/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	9/12/2013
<u>Ion Balance</u>						
Anions	Calculation	6.45	meq/L	1	0.10	
Cations	Calculation	6.58	meq/L	1	0.10	
Error	Calculation	ND	%	1	1.0	
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		9/13/2013

Customer Sample ID: 63322 9 Sep 13

Collect Date/Time: 9/9/2013 14:15

WETLAB Sample ID: 1309142-003

Receive Date: 9/9/2013 14:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>General Chemistry</u>						
Redox Potential	ASTM D1498	-150	mV	1		9/9/2013
Thiocyanate	SM 4500 CNM	ND	mg/L	1	0.10	9/16/2013
Cyanate	SM 4500 CNL	ND	mg/L	1	0.10	9/12/2013
Temperature at pH	NA	24.5	°C	1		9/9/2013
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	9/16/2013
pH	SM 4500-H+ B	8.30	pH Units	1		9/9/2013
Bicarbonate (HCO3)	SM 2320B	280	mg/L	1	1.0	9/9/2013
Carbonate (CO3)	SM 2320B	ND	mg/L	1	1.0	9/9/2013
Hydroxide (OH)	SM 2320B	ND	mg/L	1	1.0	9/9/2013
Total Alkalinity	SM 2320B	230	mg/L as CaCO3	1	1.0	9/9/2013
Total Nitrogen	Calc.	0.53	mg/L	1	0.10	9/13/2013
Total Cyanide	SM 4500CNC	0.011	mg/L	1	0.010	9/13/2013
Total Dissolved Solids (TDS)	SM 2540C	360	mg/L	1	10	9/11/2013
WAD Cyanide	SM 4500CNI	ND	mg/L	1	0.010	9/12/2013
Electrical Conductivity	SM 2510B	600	µmhos/cm	1	1	9/10/2013
<u>Anions by Ion Chromatography</u>						
Chloride	EPA 300.0	ND	mg/L	1	0.10	9/10/2013
Fluoride	EPA 300.0	0.32	mg/L	1	0.10	9/10/2013
Sulfate	EPA 300.0	63	mg/L	10	10	9/11/2013
Nitrate Nitrogen	EPA 300.0	0.081	mg/L	1	0.010	9/10/2013
Nitrite Nitrogen	EPA 300.0	0.10	mg/L	1	0.010	9/10/2013
<u>Flow Injection Analyses</u>						
Total Kjeldahl Nitrogen	EPA 351.2	0.34	mg/L	1	0.20	9/13/2013
<u>Trace Metals by ICP-OES</u>						
Aluminum	EPA 200.7	0.66	mg/L	1	0.045	9/16/2013
Barium	EPA 200.7	0.0097	mg/L	1	0.0010	9/16/2013
Bismuth	EPA 200.7	ND	mg/L	1	0.075	9/16/2013
Boron	EPA 200.7	0.024	mg/L	1	0.020	9/16/2013
Calcium	EPA 200.7	4.3	mg/L	1	0.500	9/16/2013
Cobalt	EPA 200.7	ND	mg/L	1	0.0020	9/16/2013
Gallium	EPA 200.7	ND	mg/L	1	0.020	9/16/2013
Iron	EPA 200.7	0.35	mg/L	1	0.010	9/16/2013
Lithium	EPA 200.7	0.041	mg/L	1	0.020	9/16/2013
Magnesium	EPA 200.7	0.37	mg/L	1	0.25	9/16/2013
Manganese	EPA 200.7	0.022	mg/L	1	0.0050	9/16/2013
Molybdenum	EPA 200.7	ND	mg/L	1	0.0050	9/16/2013
Phosphorus	EPA 200.7	0.27	mg/L	1	0.10	9/16/2013
Potassium	EPA 200.7	3.0	mg/L	1	0.50	9/16/2013
Scandium	EPA 200.7	ND	mg/L	1	0.0010	9/16/2013
Silicon	EPA 200.7	11	mg/L	1	0.10	9/16/2013
Sodium	EPA 200.7	130	mg/L	1	0.50	9/16/2013
Strontium	EPA 200.7	0.051	mg/L	1	0.0020	9/16/2013
Tin	EPA 200.7	ND	mg/L	1	0.010	9/16/2013
Titanium	EPA 200.7	0.012	mg/L	1	0.0050	9/16/2013
Vanadium	EPA 200.7	ND	mg/L	1	0.010	9/16/2013
Zinc	EPA 200.7	0.035	mg/L	1	0.010	9/16/2013

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: 63322 9 Sep 13

Collect Date/Time: 9/9/2013 14:15

WETLAB Sample ID: 1309142-003

Receive Date: 9/9/2013 14:40

Analyte	Method	Results	Units	DF	RL	Analyzed
<u>Trace Metals by ICP-MS</u>						
Antimony	EPA 200.8	0.19	mg/L	10	0.0050	9/14/2013
Arsenic	EPA 200.8	0.62	mg/L	10	0.030	9/14/2013
Beryllium	EPA 200.8	ND	mg/L	1	0.00035	9/13/2013
Cadmium	EPA 200.8	ND	mg/L	1	0.00090	9/13/2013
Chromium	EPA 200.8	ND	mg/L	1	0.0010	9/13/2013
Copper	EPA 200.8	0.012	mg/L	1	0.0025	9/13/2013
Lead	EPA 200.8	0.061	mg/L	1	0.0020	9/13/2013
Nickel	EPA 200.8	0.0022	mg/L	1	0.0010	9/13/2013
Selenium	EPA 200.8	0.0025	mg/L	1	0.0020	9/13/2013
Silver	EPA 200.8	ND	mg/L	1	0.0015	9/13/2013
Thallium	EPA 200.8	ND	mg/L	1	0.00040	9/13/2013
Uranium	EPA 200.8	0.031	mg/L	1	0.00040	9/13/2013
<u>Mercury by CVAA</u>						
Mercury	EPA 245.1	ND	mg/L	1	0.00010	9/12/2013
<u>Ion Balance</u>						
Anions	Calculation	5.92	meq/L	1	0.10	
Cations	Calculation	6.04	meq/L	1	0.10	
Error	Calculation	ND	%	1	1.0	
<u>Sample Preparation</u>						
Trace Metals Digestion	EPA 200.2	Complete		1		9/13/2013

Western Environmental Testing Laboratory

QC Report

QCBatchID	QCType	Parameter	Method	Result	Units
QC13090297	Blank 1	Electrical Conductivity	SM 2510B	ND	µmhos/cm
QC13090312	Blank 1	Fluoride	EPA 300.0	ND	mg/L
QC13090312	Blank 2	Fluoride	EPA 300.0	ND	mg/L
QC13090312	Blank 3	Fluoride	EPA 300.0	ND	mg/L
QC13090314	Blank 1	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13090314	Blank 2	Nitrite Nitrogen	EPA 300.0	ND	mg/L
QC13090315	Blank 1	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13090315	Blank 2	Nitrate Nitrogen	EPA 300.0	ND	mg/L
QC13090352	Blank 1	Sulfate	EPA 300.0	ND	mg/L
QC13090352	Blank 2	Sulfate	EPA 300.0	ND	mg/L
QC13090352	Blank 3	Sulfate	EPA 300.0	ND	mg/L
QC13090388	Blank 1	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13090388	Blank 2	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13090388	Blank 3	WAD Cyanide	SM 4500CNI	ND	mg/L
QC13090389	Blank 1	Mercury	EPA 245.1	ND	mg/L
QC13090389	Blank 2	Mercury	EPA 245.1	ND	mg/L
QC13090410	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13090410	Blank 2	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13090410	Blank 3	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13090410	Blank 4	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13090410	Blank 5	Total Kjeldahl Nitrogen	EPA 351.2	ND	mg/L
QC13090415	Blank 1	Total Cyanide	SM 4500CNC	ND	mg/L
QC13090415	Blank 2	Total Cyanide	SM 4500CNC	ND	mg/L
QC13090425	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13090425	Blank 2	Total Dissolved Solids (TDS)	SM 2540C	ND	mg/L
QC13090437	Blank 1	Antimony	EPA 200.8	ND	mg/L
		Arsenic	EPA 200.8	ND	mg/L
		Beryllium	EPA 200.8	ND	mg/L
		Cadmium	EPA 200.8	ND	mg/L
		Chromium	EPA 200.8	ND	mg/L
		Copper	EPA 200.8	ND	mg/L
		Lead	EPA 200.8	ND	mg/L
		Nickel	EPA 200.8	ND	mg/L
		Selenium	EPA 200.8	ND	mg/L
		Silver	EPA 200.8	ND	mg/L
		Thallium	EPA 200.8	ND	mg/L
		Uranium	EPA 200.8	ND	mg/L
QC13090478	Blank 1	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13090478	Blank 2	Thiocyanate	SM 4500 CNM	ND	mg/L
QC13090479	Blank 1	Cyanate	SM 4500 CNL	ND	mg/L
QC13090479	Blank 2	Cyanate	SM 4500 CNL	ND	mg/L
QC13090480	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13090480	Blank 2	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13090480	Blank 3	Ammonia, as Nitrogen	SM 4500 NH3	ND	mg/L
QC13090498	Blank 1	Aluminum	EPA 200.7	ND	mg/L
		Barium	EPA 200.7	ND	mg/L
		Bismuth	EPA 200.7	ND	mg/L
		Boron	EPA 200.7	ND	mg/L

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1084 Lamoille Hwy
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 EPA Lab ID: NV00926

3230 Polaris Ave #4
 Las Vegas, NV 89102 (702) 475-8899
 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Units
		Calcium	EPA 200.7	ND	mg/L
		Cobalt	EPA 200.7	ND	mg/L
		Gallium	EPA 200.7	ND	mg/L
		Iron	EPA 200.7	ND	mg/L
		Lithium	EPA 200.7	ND	mg/L
		Magnesium	EPA 200.7	ND	mg/L
		Manganese	EPA 200.7	ND	mg/L
		Molybdenum	EPA 200.7	ND	mg/L
		Phosphorus	EPA 200.7	0.22	mg/L
		Potassium	EPA 200.7	ND	mg/L
		Scandium	EPA 200.7	ND	mg/L
		Silicon	EPA 200.7	ND	mg/L
		Sodium	EPA 200.7	ND	mg/L
		Strontium	EPA 200.7	ND	mg/L
		Tin	EPA 200.7	ND	mg/L
		Titanium	EPA 200.7	ND	mg/L
		Vanadium	EPA 200.7	ND	mg/L
		Zinc	EPA 200.7	ND	mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
QC13090280	LCS 1	pH	SM 4500-H+ B	6.98	7.00	100	pH Units
QC13090283	LCS 1	Total Alkalinity	SM 2320B	99.5	100	100	mg/L
QC13090283	LCS 2	Total Alkalinity	SM 2320B	98.4	100	98	mg/L
QC13090290	LCS 1	Redox Potential	ASTM D1498	229	221	104	mV
QC13090297	LCS 1	Electrical Conductivity	SM 2510B	1403	1412	99	µmhos/cm
QC13090312	LCS 1	Fluoride	EPA 300.0	1.89	2.00	95	mg/L
QC13090314	LCS 1	Nitrite Nitrogen	EPA 300.0	0.528	0.500	106	mg/L
QC13090315	LCS 1	Nitrate Nitrogen	EPA 300.0	0.546	0.500	109	mg/L
QC13090352	LCS 1	Sulfate	EPA 300.0	24.9	25.0	100	mg/L
QC13090388	LCS 1	WAD Cyanide	SM 4500CNI	0.091	0.100	91	mg/L
QC13090389	LCS 1	Mercury	EPA 245.1	0.005500	0.005	110	mg/L
QC13090410	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	0.742	0.690	108	mg/L
QC13090410	LCS 2	Total Kjeldahl Nitrogen	EPA 351.2	0.719	0.690	104	mg/L
QC13090415	LCS 1	Total Cyanide	SM 4500CNC	0.094	0.100	94	mg/L
QC13090425	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	156	150	104	mg/L
QC13090425	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	147	150	98	mg/L
QC13090437	LCS 1	Antimony	EPA 200.8	0.0095	0.010	95	mg/L
		Arsenic	EPA 200.8	0.0485	0.050	97	mg/L
		Beryllium	EPA 200.8	0.0095	0.010	95	mg/L
		Cadmium	EPA 200.8	0.0101	0.010	101	mg/L
		Chromium	EPA 200.8	0.0097	0.010	97	mg/L
		Copper	EPA 200.8	0.0099	0.010	99	mg/L
		Lead	EPA 200.8	0.0101	0.010	101	mg/L
		Nickel	EPA 200.8	0.0099	0.010	99	mg/L
		Selenium	EPA 200.8	0.0472	0.050	94	mg/L
		Silver	EPA 200.8	0.0096	0.010	96	mg/L
		Thallium	EPA 200.8	0.0094	0.010	94	mg/L
		Uranium	EPA 200.8	0.0098	0.010	98	mg/L
QC13090479	LCS 1	Cyanate	SM 4500 CNL	1.07	1.00	107	mg/L
QC13090480	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.961	1.00	96	mg/L
QC13090498	LCS 1	Aluminum	EPA 200.7	1.08	1.00	108	mg/L
		Barium	EPA 200.7	1.03	1.00	103	mg/L
		Bismuth	EPA 200.7	1.06	1.00	106	mg/L

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 EPA Lab ID: NV00932

QCBatchID	QCType	Parameter	Method	Result	Actual	% Recovery	Units
		Boron	EPA 200.7	1.03	1.00	103	mg/L
		Calcium	EPA 200.7	10.2	10.0	102	mg/L
		Cobalt	EPA 200.7	1.03	1.00	103	mg/L
		Gallium	EPA 200.7	1.06	1.00	106	mg/L
		Iron	EPA 200.7	1.04	1.00	104	mg/L
		Lithium	EPA 200.7	1.03	1.00	103	mg/L
		Magnesium	EPA 200.7	10.0	10.0	100	mg/L
		Manganese	EPA 200.7	1.03	1.00	103	mg/L
		Molybdenum	EPA 200.7	0.925	1.00	92	mg/L
		Phosphorus	EPA 200.7	5.41	5.00	108	mg/L
		Potassium	EPA 200.7	10.5	10.0	105	mg/L
		Scandium	EPA 200.7	1.03	1.00	103	mg/L
		Silicon	EPA 200.7	9.10	10.0	91	mg/L
		Sodium	EPA 200.7	10.8	10.0	108	mg/L
		Strontium	EPA 200.7	1.10	1.00	110	mg/L
		Tin	EPA 200.7	0.893	1.00	89	mg/L
		Titanium	EPA 200.7	0.906	1.00	91	mg/L
		Vanadium	EPA 200.7	1.03	1.00	103	mg/L
		Zinc	EPA 200.7	1.04	1.00	104	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD	
QC13090280	Duplicate	pH	SM 4500-H+ B	1309141-001	7.82	7.77	HT	pH Units	1 %
QC13090280	Duplicate	pH	SM 4500-H+ B	1309142-001	8.43	8.44	HT	pH Units	<1%
QC13090283	Duplicate	Bicarbonate (HCO3)	SM 2320B	1309141-001	98.8	98.4		mg/L	<1%
		Carbonate (CO3)	SM 2320B	1309141-001	ND	ND		mg/L	<1%
		Hydroxide (OH)	SM 2320B	1309141-001	ND	ND		mg/L	<1%
		Total Alkalinity	SM 2320B	1309141-001	81.0	80.6		mg/L as CaCO3	<1%
QC13090283	Duplicate	Bicarbonate (HCO3)	SM 2320B	1309142-001	250	248		mg/L	1 %
		Carbonate (CO3)	SM 2320B	1309142-001	4.31	4.99		mg/L	15 %
		Hydroxide (OH)	SM 2320B	1309142-001	ND	ND		mg/L	<1%
		Total Alkalinity	SM 2320B	1309142-001	212	212		mg/L as CaCO3	<1%
QC13090290	Duplicate	Redox Potential	ASTM D1498	1309142-001	ND	ND		mV	4 %
QC13090297	Duplicate	Electrical Conductivity	SM 2510B	1309142-001	533	518		µmhos/cm	3 %
QC13090425	Duplicate	Total Dissolved Solids (TDS)	SM 2540C			609		mg/L	%
QC13090425	Duplicate	Total Dissolved Solids (TDS)	SM 2540C			181		mg/L	%
QC13090425	Duplicate	Total Dissolved Solids (TDS)	SM 2540C			439		mg/L	%
QC13090479	Duplicate	Cyanate	SM 4500 CNL	1309142-001	ND	ND		mg/L	<1%

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13090312	MS 1	Fluoride	EPA 300.0	1309141-001	0.614	2.55	2.56	2.00	mg/L	97	97	<1%
QC13090312	MS 2	Fluoride	EPA 300.0	1309144-001	0.234	2.12	2.20	2.00	mg/L	94	98	4 %
QC13090314	MS 1	Nitrite Nitrogen	EPA 300.0	1309142-003	0.102	0.320	0.328	0.250	mg/L	87	90	2 %
QC13090315	MS 1	Nitrate Nitrogen	EPA 300.0	1309142-003	0.081	1.02	1.05	1.00	mg/L	94	97	3 %
QC13090352	MS 1	Sulfate	EPA 300.0	1309120-003	123	229	228	10.0	mg/L	107	105	<1%
QC13090352	MS 2	Sulfate	EPA 300.0	1309141-005	109	212	212	10.0	mg/L	103	103	<1%
QC13090388	MS 1	WAD Cyanide	SM 4500CNI	1309120-001	ND	0.099	0.101	0.100	mg/L	99	101	2 %
QC13090388	MS 2	WAD Cyanide	SM 4500CNI	1309142-001	0.019	0.119	0.115	0.100	mg/L	119	115	3 %

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QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS % Rec.	MSD % Rec.	RPD
QC13090389	MS 1	Mercury	EPA 245.1	1309142-001	ND	M	0.002920	0.003190	0.005 mg/L	NC	NC	NC
QC13090410	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	1309063-001	1.68		2.31	2.30	0.690 mg/L	92	90	<1%
QC13090410	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	1309066-002	0.632		1.37	1.48	0.690 mg/L	107	122	8 %
QC13090410	MS 3	Total Kjeldahl Nitrogen	EPA 351.2	1309058-001	33.5	SC	33.2	34.4	0.690 mg/L	NC	NC	NC
QC13090410	MS 4	Total Kjeldahl Nitrogen	EPA 351.2	1309119-001	ND		0.922	0.943	0.690 mg/L	105	108	2 %
QC13090415	MS 1	Total Cyanide	SM 4500CNC	1309142-002	0.033		0.132	0.133	0.100 mg/L	99	100	1 %
QC13090437	MS 1	Antimony	EPA 200.8	1309142-001	0.2584	SC	0.2761	0.2658	0.010 mg/L	NC	NC	NC
		Arsenic	EPA 200.8	1309142-001	1.3900	SC	1.4875	1.4197	0.050 mg/L	NC	NC	NC
		Beryllium	EPA 200.8	1309142-001	ND		0.0100	0.0095	0.010 mg/L	98	93	5 %
		Cadmium	EPA 200.8	1309142-001	ND		0.0087	0.0083	0.010 mg/L	87	83	5 %
		Chromium	EPA 200.8	1309142-001	0.0011		0.0107	0.0102	0.010 mg/L	96	91	5 %
		Copper	EPA 200.8	1309142-001	0.0058		0.0153	0.0150	0.010 mg/L	95	92	2 %
		Lead	EPA 200.8	1309142-001	0.1375	SC	0.1589	0.1520	0.010 mg/L	NC	NC	NC
		Nickel	EPA 200.8	1309142-001	0.0020		0.0114	0.0111	0.010 mg/L	94	91	3 %
		Selenium	EPA 200.8	1309142-001	0.0052		0.0506	0.0509	0.050 mg/L	91	91	1 %
		Silver	EPA 200.8	1309142-001	ND		0.0092	0.0089	0.010 mg/L	91	88	3 %
		Thallium	EPA 200.8	1309142-001	ND		0.0087	0.0087	0.010 mg/L	86	87	<1%
		Uranium	EPA 200.8	1309142-001	0.0161		0.0259	0.0261	0.010 mg/L	98	100	1 %
QC13090478	MS 1	Thiocyanate	SM 4500 CN	1309142-001	ND		0.931	0.938	1.00 mg/L	86	87	1 %
QC13090480	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	1309185-002	0.100		1.07	1.07	1.00 mg/L	97	97	<1%
QC13090480	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	1309076-001	ND		1.01	0.977	1.00 mg/L	101	98	3 %
QC13090498	MS 1	Aluminum	EPA 200.7	1309142-001	1.61		2.93	2.80	1.00 mg/L	132	119	5 %
		Barium	EPA 200.7	1309142-001	0.019		1.04	1.04	1.00 mg/L	102	102	<1%
		Bismuth	EPA 200.7	1309142-001	ND		1.12	1.13	1.00 mg/L	110	111	1 %
		Boron	EPA 200.7	1309142-001	0.027		1.07	1.07	1.00 mg/L	104	104	<1%
		Calcium	EPA 200.7	1309142-001	5.75		15.6	15.1	10.0 mg/L	98	94	3 %
		Cobalt	EPA 200.7	1309142-001	ND		1.00	1.01	1.00 mg/L	100	101	1 %
		Gallium	EPA 200.7	1309142-001	ND		1.08	1.07	1.00 mg/L	108	107	1 %
		Iron	EPA 200.7	1309142-001	0.742		1.74	1.71	1.00 mg/L	100	97	2 %
		Lithium	EPA 200.7	1309142-001	ND		1.03	1.03	1.00 mg/L	102	102	<1%
		Magnesium	EPA 200.7	1309142-001	0.432		10.5	10.5	10.0 mg/L	101	101	<1%
		Manganese	EPA 200.7	1309142-001	0.021		1.03	1.03	1.00 mg/L	101	101	<1%
		Molybdenum	EPA 200.7	1309142-001	0.010		0.919	0.928	1.00 mg/L	91	92	1 %
		Phosphorus	EPA 200.7	1309142-001	0.365	B	5.49	5.44	5.00 mg/L	102	102	1 %
		Potassium	EPA 200.7	1309142-001	4.37		15.7	15.2	10.0 mg/L	113	108	3 %
		Scandium	EPA 200.7	1309142-001	ND		1.03	1.03	1.00 mg/L	103	103	<1%
		Silicon	EPA 200.7	1309142-001	18.4		28.1	26.7	10.0 mg/L	97	83	5 %
		Sodium	EPA 200.7	1309142-001	118		129	121	10.0 mg/L	110	30	6 %
		Strontium	EPA 200.7	1309142-001	0.078		1.13	1.12	1.00 mg/L	105	104	1 %
		Tin	EPA 200.7	1309142-001	ND		0.867	0.883	1.00 mg/L	87	88	2 %
		Titanium	EPA 200.7	1309142-001	0.014		0.917	0.918	1.00 mg/L	90	90	<1%
		Vanadium	EPA 200.7	1309142-001	0.013		1.04	1.04	1.00 mg/L	103	103	<1%
		Zinc	EPA 200.7	1309142-001	0.011		1.07	1.08	1.00 mg/L	106	107	1 %