CERTIFICATION

I certify under penalty of law that the document "February – March 2013 Main Processing Area Groundwater Monitoring Report" dated April 26, 2013 and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: James A Cagle

Name: James A. Cagle

Title: Environmental Specialist

Date: April 26, 2013

April 26, 2013

Peter Magolske
Air and RCRA Compliance Unit
U.S. Environmental Protection Agency Region 10
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

Re: February-March 2013 Main Processing Area Groundwater Monitoring Report;
A-34 Lateral Assessment Work Plan;
Administrative Order on Consent for Nu-West Industries, Inc;
Docket No. RCRA-10-2009-0186

Dear Mr. Magolske:

On behalf of Nu-West Industries, Inc. (Nu-West), WSP Environment & Energy, now part of WSP USA Corp. (WSP), has prepared this letter providing the results of the February and March 2013 groundwater monitoring conducted in the Main Processing Area at the Nu-West Conda Phosphate Operations (CPO) facility in Soda Springs, Idaho. The monitoring was conducted pursuant to and in accordance with the approved *A-34 Lateral Assessment Work Plan* (Work Plan), dated January 9, 2013. The program included continuous water level and pH monitoring at groundwater monitoring well A-34-022 and routine groundwater sampling at monitoring and production wells in the Main Processing Area. This report includes monitoring data collected through Thursday, March 21, 2013.

Groundwater monitoring results for the period January 23 through February 15, 2013 were included in the *Main Processing Area Groundwater Monitoring Report*, dated March 26, 2013.

A-34-022 Water Level and pH Monitoring

During the week of December 17, 2012, Nu-West installed a set of pressure transducer/dataloggers in monitoring well A-34-022 to obtain continuous data on water level, pH, temperature, and conductivity. The set consisted of a pressure transducer (INW® model PT2X), pH and temperature datalogger (INW® model TempHion), and a conductivity datalogger (INW® model CT2X), each configured to collect measurements every 15 minutes. Weather data, including barometric pressure, daily precipitation, and ambient air temperature were also obtained from a weather station maintained at the CPO facility which recorded measurements at 15-minute intervals. The pressure transducer/datalogger files were downloaded weekly and provided to the U.S Environmental Protection Agency (EPA) and Idaho Department of Environmental Quality (IDEQ). Figures 1 and 2 show the pressure transducer/datalogger files and weather data through Thursday, March 21, 2013.

Groundwater Sampling Procedures

Between February 20 and March 20, 2013, groundwater samples were collected from nine monitoring wells in the Main Processing Area (A-27-090, A-27-135, A-34-022, A-35-080, A-35-155, A-36-105, A-36-145, MW-A-110, and MW-B-120) and production well NW-9. The well locations are shown on Figures 3 through 5 and the well construction information is presented in

WSP USA Corp.
11190 Sunrise Valley Drive, Suite 300
Reston, VA 20191
Tel: (703) 709-6500
Fax: (703) 709-8505
www.wspenvironmental.com/usa

Table 1. The sampling schedule was based on the groundwater pH, as determined by laboratory analysis.

- If groundwater pH is < 2.5, weekly sampling
- If groundwater pH is > 2.5 but < 4.0, bi-weekly sampling
- If groundwater pH is > 4.0, monthly sampling

Only monitoring well A-34-022 exhibited groundwater pH < 2.5; groundwater in all other monitoring wells and production well NW-9 had a pH > 4.0. As a result, A-34-022 was sampled weekly during the monitoring period (February 20 and 27; March 7, 14, and 20), while all other wells were sampled once during the week of March 11, 2013. The Work Plan states that if the groundwater pH indicates a different sampling frequency for two consecutive events, the monitoring or production well will be re-assigned to the appropriate sampling frequency. No changes to the sampling frequency occurred during the monitoring period.

On March 7 and 11, 2013, the groundwater monitoring wells were uncapped and allowed to stand for a minimum of 15 minutes to allow the water level in the wells to equilibrate with the atmospheric pressure. The depth to groundwater to the nearest 0.01 foot was then measured from the reference point on the north side of the inner well casing using an electronic water level meter. The ground-water elevation data for each monitoring well are presented in Figure 3 and Table 2. Figure 3 and Table 2 also include the groundwater elevation data from December 10, 2012 and February 11, 2013 for comparison. Historical groundwater elevation data are presented in Table 3.

Groundwater samples were collected from the bedrock monitoring wells using low-flow purge and sample methods. All sampling was conducted in accordance with WSP's revised SOP #3 and EPA low-flow sampling guidance (EPA 1996). The sampling of bedrock monitoring wells utilized a submersible bladder pump (QED® SamplePro® 1.75-inch diameter) equipped with polyethylene tubing, set at a flow rate of less than approximately 0.5-liter per minute. During purging, water temperature, pH, specific conductance, dissolved oxygen (DO), oxidation reduction potential (ORP), and turbidity were measured at 3- to 5-minute intervals using a Horiba® U-52 water quality meter equipped with a flow-through cell. The final field parameter measurements are presented in Table 4 along with field parameter measurements from recent sampling events (October 2012 through February 14, 2013). Well purging was conducted until the parameters stabilized with the two preceding measurements (±10 percent for temperature, turbidity, and DO; ±10 milliVolts for ORP; ±0.1 unit for pH; and ± 3 percent for specific conductance). Final turbidity readings were less than 20 nephelometric turbidity units (NTU) for all samples except the March 11, 2013 samples from monitoring wells A-27-090 (128 NTU) and A-27-135 (87.8 NTU). Groundwater sampling at monitoring well A-34-022 was conducted using a dedicated electric submersible pump equipped with polyethylene tubing and utilized a three well volume purge prior to sampling. The purge rate during each sampling event at A-34-022 was approximately 1.4 gallons per minute (gpm), which resulted in a sustained drawdown during purging of between approximately 1.5 and 2 feet.

The groundwater samples were collected in pre-preserved containers supplied by the laboratory as detailed below. Groundwater samples collected for orthophosphate were field filtered using a 0.45-micron in-line filter prior to sample preservation. The February 20, 2013 sample collected from A-34-022 was field filtered for dissolved metals. All groundwater samples collected after February 25, 2013 were submitted for total metals analysis, as requested by EPA. All other wet chemistry analytes were submitted for laboratory analysis as total (unfiltered) samples. Due to

the elevated turbidity in the samples from monitoring wells A-27-090 and A-27-135, dissolved metals samples were also collected and submitted and held by the laboratory, pending the results of the total metals samples. As described below, the charge balance errors calculated for both samples were acceptable using total metals concentrations, so the dissolved metals samples were not analyzed.

The groundwater samples were analyzed for the following parameters:

- total dissolved solids (TDS) by Standard Method 2540C
- aluminum, antimony, arsenic, cadmium, calcium, chromium, iron, magnesium, potassium, selenium, and sodium by EPA Method 6010C
- chloride, fluoride, nitrate as N, and sulfate by EPA Method 300
- pH by Standard Method 4500 H+B
- total phosphorous by EPA Method 365.3
- dissolved orthophosphate by EPA Method 365.1
- total alkalinity as $CaCO_3$ by Standard Method 2320B
- bicarbonate and carbonate alkalinity as $CaCO_3$ by Standard Method 4500CO2D
- specific conductance by EPA Method 120.1

All non-disposable and non-dedicated groundwater sampling equipment was decontaminated in the field between uses in accordance with SOPs #16 and #17.

Investigation derived waste (IDW) from the sampling activities consisted of groundwater and liquids from the decontamination of sampling equipment and disposable personal protective equipment (PPE). IDW was managed for disposal in accordance with SOP #26. The PPE was disposed of offsite with the Facility's industrial solid waste. Purged groundwater and decontamination water was stored in labeled Department of Transportation (DOT) compliant 55-gallon drums pending characterization and offsite disposal.

Groundwater Sampling Results

Groundwater Elevation Data

Groundwater elevations measured on March 11, 2013, were generally consistent with groundwater elevations measured on December 10, 2012 and February 11, 2013 (Figure 3 and Table 2). In the A-27 well pair, the groundwater elevation was 1.84 feet higher in the shallow well (A-27-090), which is screened from 70 to 90 feet bgs at the basalt Flow Group A/C boundary, than in the deeper well (A-27-135), which is screened from 125 to 135 feet bgs below a prominent sedimentary interbed that occurs at the basalt Flow Group C/D boundary. The resulting vertical hydraulic gradient was downward (-0.037).

In the comparably screened A-35 well pair, the opposite relationship exists. The groundwater elevation was 1.70 feet lower in the shallow well (A-35-080), which is screened from 60 to 80 feet bgs at the basalt Flow Group A/C boundary, than in the deeper well (A-35-155), which is screened from 135 to 155 feet bgs below a prominent sedimentary interbed that occurs at the basalt Flow Group C/D boundary. The resulting vertical hydraulic gradient was upward (+0.023).

The A-36 well pair continued to have the highest groundwater elevations in the Main Processing Area, with only 0.10-foot difference in the groundwater elevation between the shallow well (A-

36-105), which is screened at the base of the basalt sequence, and the deeper well (A-36-145), which is screened in the sedimentary aquifer. Among the four sets of groundwater elevation measurements, the vertical hydraulic gradient was slightly upward (+0.003 to +0.007).

Monitoring Well A-34-022

Final field parameters during the February and March 2013 weekly sampling were generally consistent with field parameters measured during sampling events between December 20, 2012 and February 14, 2013 (Table 4), although specific conductance and temperature have continuously decreased since weekly sampling began on January 23, 2013. The lowest field pH measurements (2.04 S.U.) were associated with samples collected on March 7 and 20, 2013.

Laboratory analytical results for the February and March 2013 samples are presented in Figures 4 and 5 and in Table 5. Table 6 includes the historical sampling results since monitoring well A-34-022 was installed. The laboratory data reports are provided in Enclosure A.

The laboratory pH values among the five primary samples and one duplicate from groundwater monitoring well A-34-022 were between 2.02 and 2.28 S.U. The Idaho Secondary Constituent Standard range for pH is between 6.5 and 8.5 S.U.

Five metals were detected at concentrations above their respective EPA Maximum Contaminant Levels (MCLs) or Idaho Primary or Secondary Constituent Standards. Aluminum concentrations ranged between 1,380 and 1,820 mg/l, above the Idaho Secondary Constituent Standard of 0.2 mg/l. Arsenic concentrations ranged between 0.230 and 0.288 mg/l, above the MCL of 0.01 mg/l. Cadmium concentrations ranged between 2.97 and 3.40 mg/l, above the MCL of 0.005 mg/l. Chromium concentrations ranged between 2.93 and 3.68 mg/l, above the MCL of 0.1 mg/l. Iron concentrations ranged between 1,460 and 2,010 mg/l, above the Idaho Secondary Constituent Standard of 0.3 mg/l.

Among wet chemistry parameters, fluoride, sulfate, and TDS were detected at concentrations above MCLs or Idaho Primary or Secondary Constituent Standards. Fluoride concentrations ranged between 2,070 and 2,360 mg/l, above the MCL of 4 mg/l. Sulfate concentrations ranged between 10,300 and 15,300 mg/l, above the Idaho Secondary Constituent Standard of 250 mg/l. TDS concentrations ranged between 18,300 and 26,100 mg/l, above the above the Idaho Secondary Constituent Standard of 500 mg/l. The laboratory reported a TDS concentration of 72,000 mg/l for the February 20, 2013 sample from A-34-022; this result is considered an outlier.

Figure 6 includes the groundwater sampling results for samples from A-34-022 plotted on a Piper diagram to illustrate the major ion geochemistry of the samples. The major ion geochemistry results are consistent with results for samples collected between December 2012 and February 20, 2013. However, aluminum and iron represent a significant contribution to the total cation concentration in samples from A-34-022, accounting for between 50% and 60% of the total cation meq/l concentration.

Figure 7 shows time-series graphs of major cation concentrations, major anion concentrations, and constituent concentrations above MCLs or Idaho Primary Constituent Standards in samples from A-34-022. As shown in Figure 7, major cation concentrations have been generally consistent, particularly between February 27 and March 20, 2013. The concentration of the dominant anion, sulfate, decreased continuously from January 31, 2013 (20,900 mg/l) to March

20, 2013 (11,500 mg/l). The concentration of the five constituents detected above MCLs or Idaho Primary Constituent Standards has remained relatively constant.

Tables 5 and 6 include the charge balance error for each sample, including the total cations and total anions in milliequivalents per liter (meq/l). The charge balance errors ranged from -14.24% to -2.11%, and all five analyses had negative charge balance errors. Charge balance errors for three of five analyses were less than ±5%.

Bedrock Monitoring and Production Wells

Final field parameters during the March 2013 monthly sampling were generally consistent with field parameters measured during sampling events in December 2012 and February 2013 (Table 4).

Laboratory analytical results for the March 2013 samples are presented in Figures 4 and 5 and in Table 5. Table 6 includes the historical sampling results from October 2010 through March 2013. The laboratory data reports are provided in Enclosure A.

The laboratory pH values among the samples from the bedrock wells were between 6.03 and 7.16 S.U. The laboratory pH values in three samples were below the Idaho Secondary Constituent Standard range of 6.5 to 8.5 S.U. (A-27-090 [6.48]; A-36-105 [6.09]; and MW-A-110 [6.03]).

Three metals were detected at concentrations above their respective EPA Maximum Contaminant Levels (MCLs) or Idaho Primary Constituent Standards. Arsenic was detected above the MCL of 0.01 mg/l in samples from A-27-090 (0.0199 mg/l), A-27-135 (0.0441 mg/l), and A-35-080 (0.0118 mg/l). Antimony was detected above the MCL of 0.006 mg/l in the sample from A-36-105 (0.0092 mg/l). Cadmium concentrations above the MCL of 0.005 mg/l were detected in samples from A-36-105 (0.0455 mg/l) and MW-A-110 (0.0197 mg/l).

Two metals were detected at concentrations above their respective Idaho Secondary Constituent Standards. Aluminum was detected above the Idaho Secondary Constituent Standard of 0.2 mg/l in samples from six of the nine bedrock wells at concentrations ranging from 0.444 to 2.24 mg/l. Iron was also detected above the Idaho Secondary Constituent Standard of 0.3 mg/l in samples from six of the nine bedrock wells at concentrations ranging from 0.411 to 3.72 mg/l.

Among wet chemistry parameters, fluoride and nitrate were detected at concentrations above MCLs and Idaho Primary Constituent Standards. Fluoride concentrations above the MCL of 4 mg/l were detected in the samples from MW-A-110 (7.6 mg/l), MW-B-120 (16.0 mg/l), and NW-9 (12.5 mg/l). Nitrate concentrations above the MCL of 10 mg/l were detected in the samples from A-27-090 (69.7 mg/l), A-27-135 (18.5 mg/l), A-35-080 (53.4 mg/l), MW-A-110 (211 mg/l), and NW-9 (22.2 mg/l).

Chloride, sulfate, and TDS were detected at concentrations above Idaho Secondary Constituent Standards. Chloride was detected in the sample from MW-A-110 (343 mg/l) above the Idaho Secondary Constituent Standard of 250 mg/l. Sulfate concentrations above the Idaho Secondary Constituent Standard of 250 mg/l were detected in the samples from all nine bedrock wells, with the highest concentrations in the samples from A-36-105 (3,710 mg/l) and A-36-145 (2,610 mg/l). Similarly, TDS concentrations were above the Idaho Secondary Constituent

Standard of 500 mg/l in the samples from all nine bedrock wells, with the highest concentrations in the samples from A-36-105 (5,240 mg/l), A-36-145 (4,180 mg/l), and MW-A-110 (3,490 mg/l).

Charge balance errors for samples from the bedrock wells varied from -4.86% to +4.46%. All ten samples (including one duplicate sample) had charge balance errors less than ± 5%.

Figure 6 includes the groundwater sampling results for samples from the bedrock wells plotted on a Piper diagram to illustrate the major ion geochemistry of the samples. Figure 8 shows graphs of major cation concentrations, major anion concentrations, and constituent concentrations above MCLs or Idaho Primary Constituent Standards in samples collected from the bedrock wells. As shown in Figures 6 and 8, there is notable variability in the major cation and major anion proportions and concentrations.

The major ion geochemistry and concentrations of constituents above MCLs or Idaho Primary or Secondary Constituent Standards for samples collected in March 2013 were consistent with historical results from each of the nine bedrock wells (Table 6).

QA/QC Sample Results and Data Quality Assessment

Two duplicate groundwater samples were collected (DUP03202013, duplicate of A-34-022 on March 20, 2013; and DUP03142013, duplicate of A-35-155 on March 14, 2013). The analytical results for the duplicate samples are consistent with the results for the associated primary samples. Calculated Relative Percent Difference (RPD) for primary and duplicate samples were less than 11.52% for constituents detected at concentrations above the laboratory reporting limit in both samples.

One equipment blank sample (EB 03142013) was collected from the decontaminated pump used for the bedrock monitoring well sampling. Only estimated concentrations of fluoride, total phosphorus, and TDS were detected in the equipment blank sample.

The analytical data were reviewed and verified to evaluate conformance with Data Quality Objectives (DQO) established in the Quality Assurance Project Plan (QAPP). Verification of field data was conducted according to the QAPP. Verification showed that there were no concerns. Verification of laboratory data was conducted according to the QAPP. The laboratory data packages provided in Enclosure A include case narratives of nonconformance with QA/QC requirements. Samples analyzed for pH by Standard Method 4500H+B and for specific conductance by Standard Method 120.1 were analyzed out of hold time. Several samples analyzed for orthophosphate by EPA Method 365.3, for nitrate by EPA Method 300, and for total dissolved solids by Standard Method 2540C were analyzed out of hold time due to dilution and/or re-analysis.

As discussed above, the TDS concentration for the February 20, 2013 (72,000 mg/l) sample from A-34-022 is not consistent with the TDS concentrations from other A-34-022 samples and is considered an outlier.

Data Quality Objectives were reviewed and verified. With the exception of potential indications of interferences due to sample matrices as noted in the case narrative of the laboratory data packages, the Data Quality Assessment demonstrates that the data are representative. In accordance with the QAPP, twenty percent of data packages will be submitted for data validation.

Discussion of Results

The groundwater monitoring results indicate minimal change for most constituents in samples collected from monitoring well A-34-022 since its installation in November 2012. Weekly samples contained relatively constant pH and constituent concentrations (Figure 6 and 7). However, the sulfate concentration decreased continuously from January 31, 2013 (20,900 mg/l) to March 20, 2013 (11,500 mg/l). The continuously monitored groundwater elevation at A-34-022 fluctuated over several feet during the monitoring period, primarily as a response to local precipitation and infiltration (Figures 1 and 2).

Similarly, groundwater elevations and constituent concentrations in the bedrock wells in March 2013 were generally consistent with the previous sampling results from October and December 2012 and February 2013 (Figure 3 and Table 6).

Overall, the results indicate that groundwater monitoring on a weekly, bi-weekly, or monthly basis is not necessary to support conclusions that could otherwise be made with data generated on a less frequent basis (e.g. quarterly or semi-annually).

Nu-West will continue to evaluate the monitoring objectives and results to assess the effectiveness of the program. After three months of monitoring, if the groundwater monitoring results indicate that the primary objective (i.e. to assess impact to the underlying basalt and sedimentary aquifers) can be met with a modified monitoring program, Nu-West may request that EPA approve changes to the monitoring frequency, changes to the list of included wells, or changes to the analyte list in order to better align resources with the overall site assessment activities being implemented in 2013 pursuant to the Administrative Order on Consent.

Please let us know if you have any questions or comments on the report.

Sincerely,

James P. Bulman
Executive Vice President

Timothy A. Huff
Technical Manager

JPB:TAH:rlo
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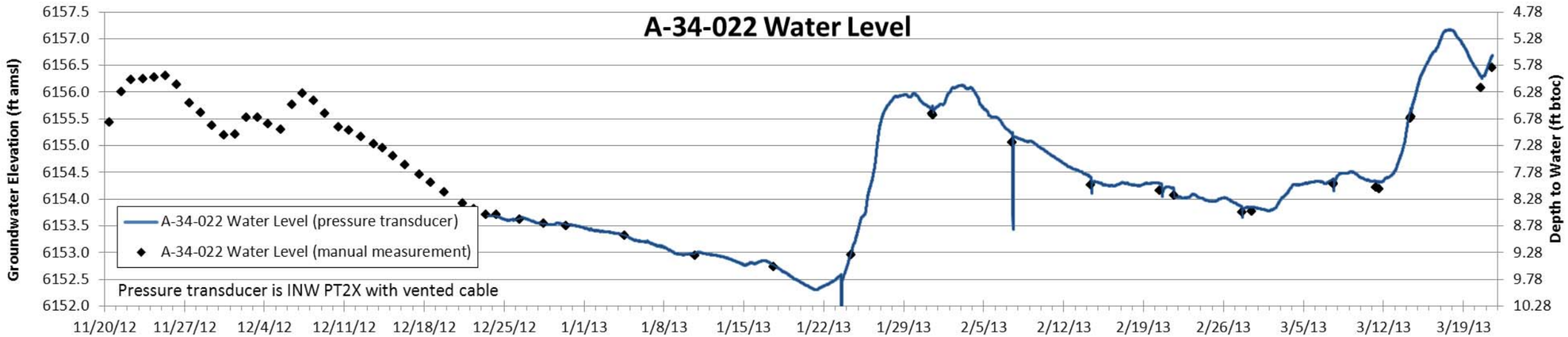
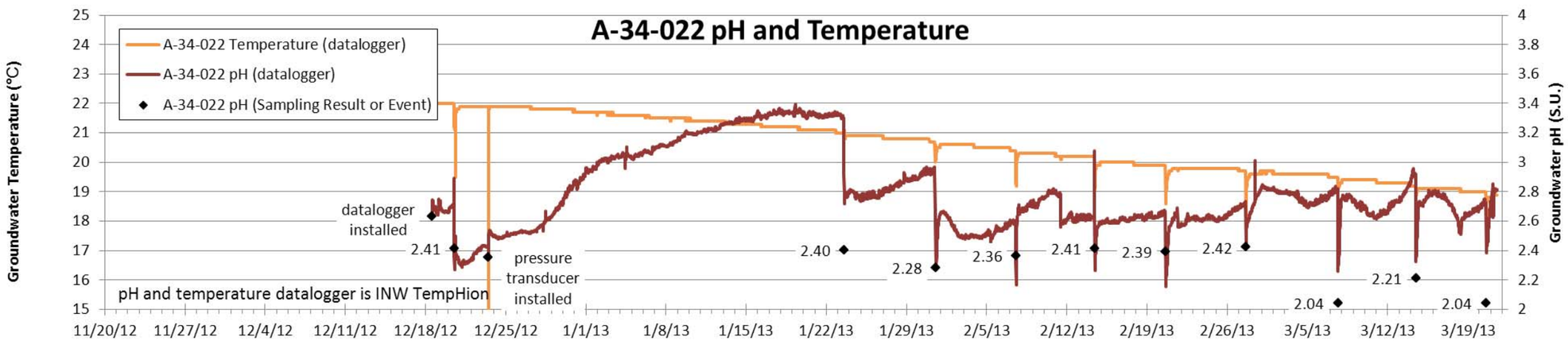
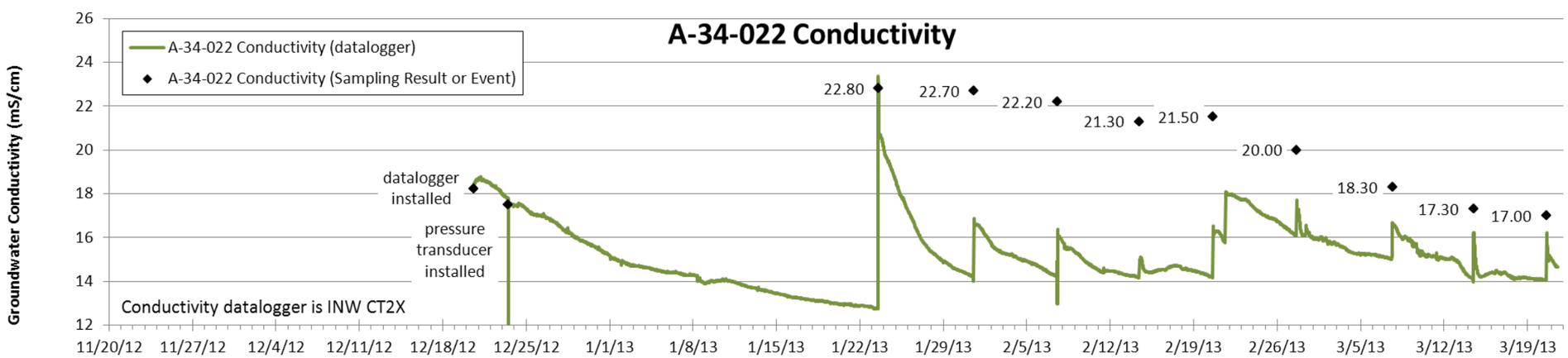
Enclosures

cc: Brian Monson, Idaho Department of Environmental Quality
Brian English, Idaho Department of Environmental Quality
Timothy Carlstedt, Esq., Hunton & Williams
P. Scott Burton, Esq., Hunton & Williams
J. Wayne Maxie, Nu-West Industries
James Cagle, Nu-West Industries

Figures







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SODA SPRINGS, IDAHO
PREPARED FOR
HUNTON & WILLIAMS

FIGURE 1

A-34-022 DATALOGGER AND PRESSURE TRANSDUCER RESULTS

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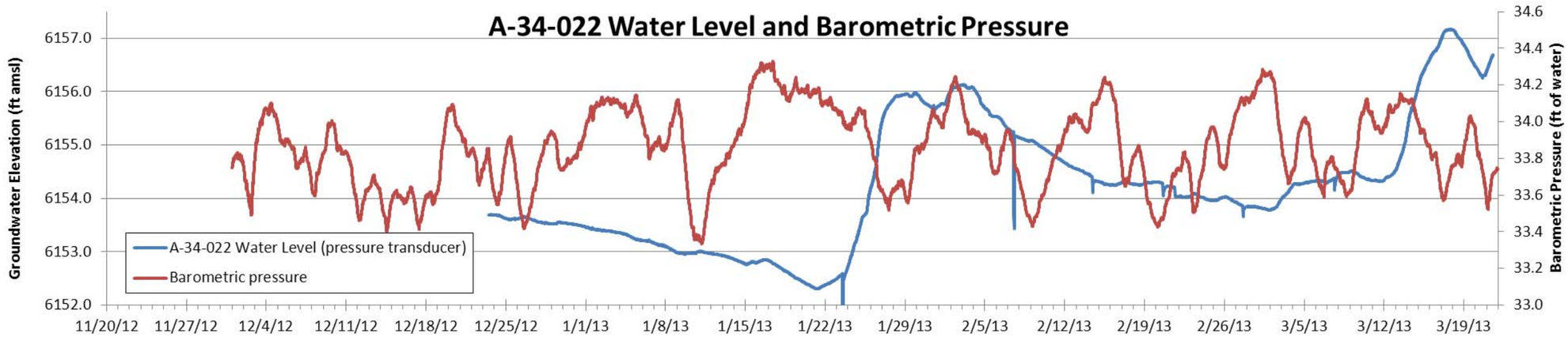

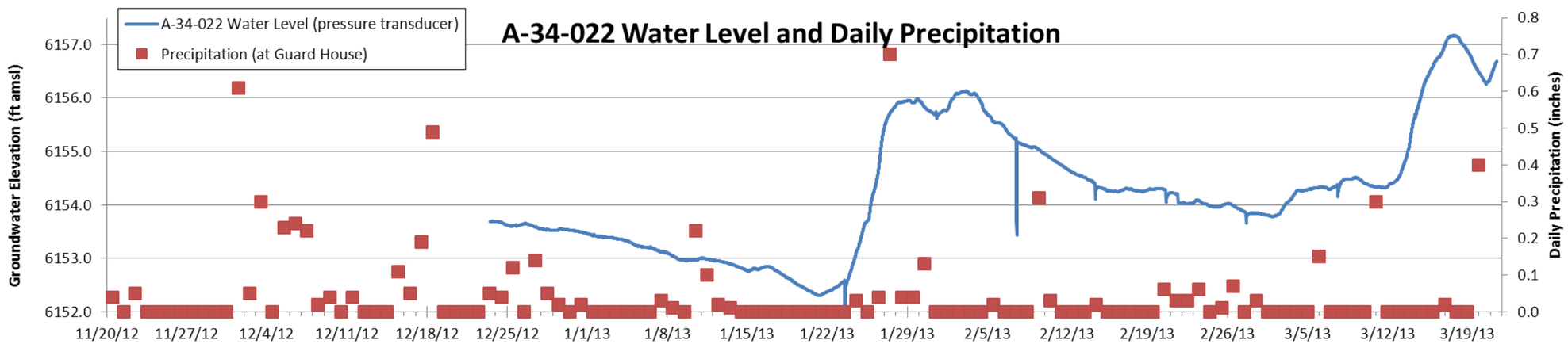

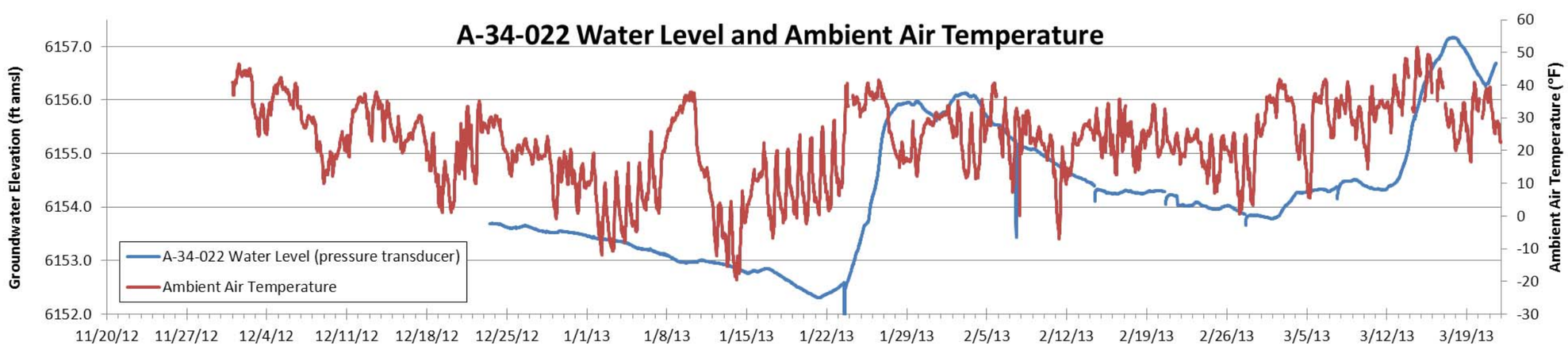

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FIGURE 2

A-34-022 PRESSURE TRANSDUCER
RESULTS AND WEATHER DATA

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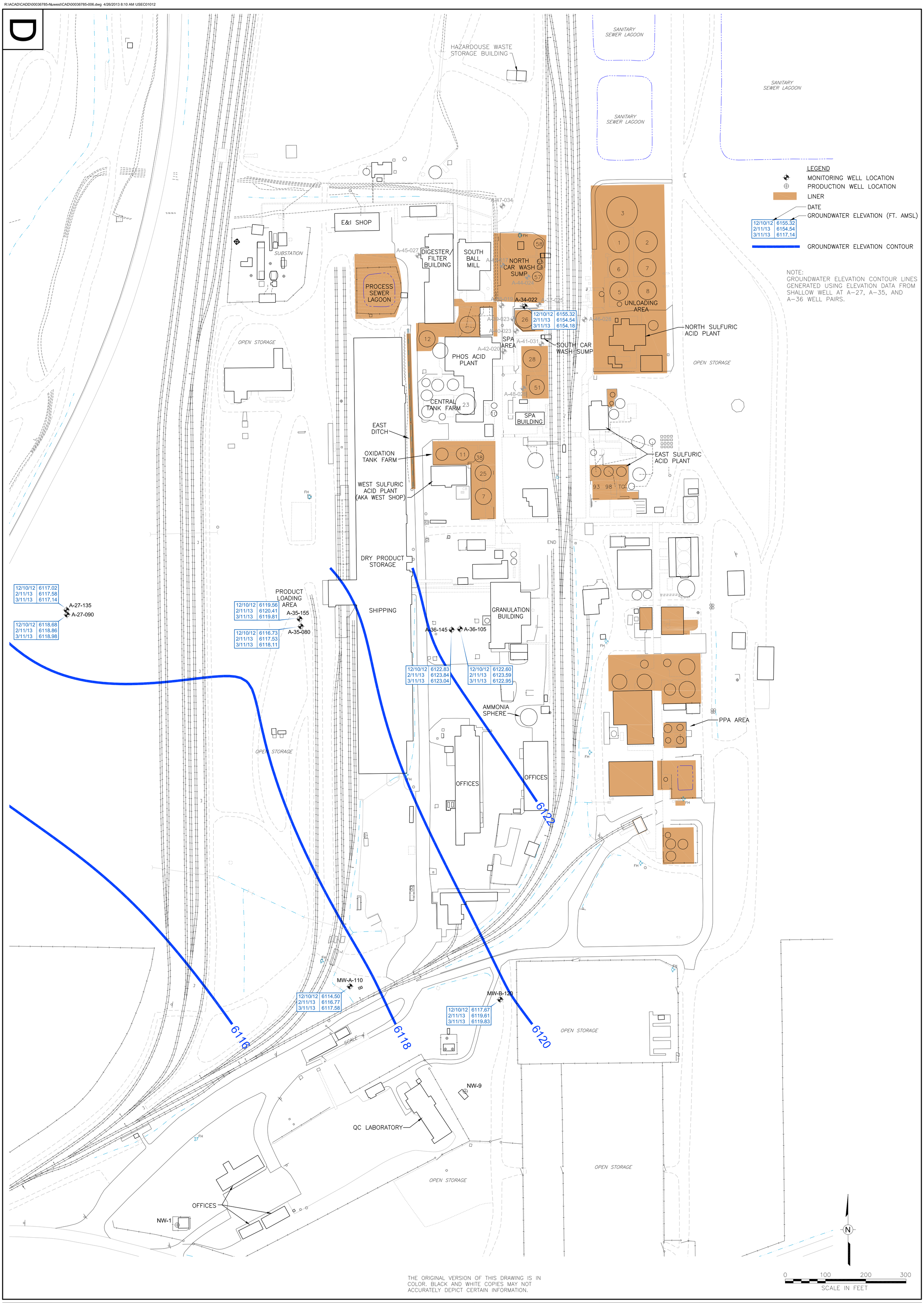

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FIGURE 3

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GROUNDWATER ELEVATION DATA AND BEDROCK POTENTIOMETRIC SURFACE MAP (MARCH 11, 2013) MAIN PROCESSING AREA

NU–WEST CPO FACILITY
SODA SPRINGS, IDAHO

PREPARED FOR

HUNTON & WILLIAMS

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APPROVED	

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REVISIONS

REV	DESCRIPTION		
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2	Revised:	Chkd:	Appr.:
3	Revised:	Chkd:	Appr.:

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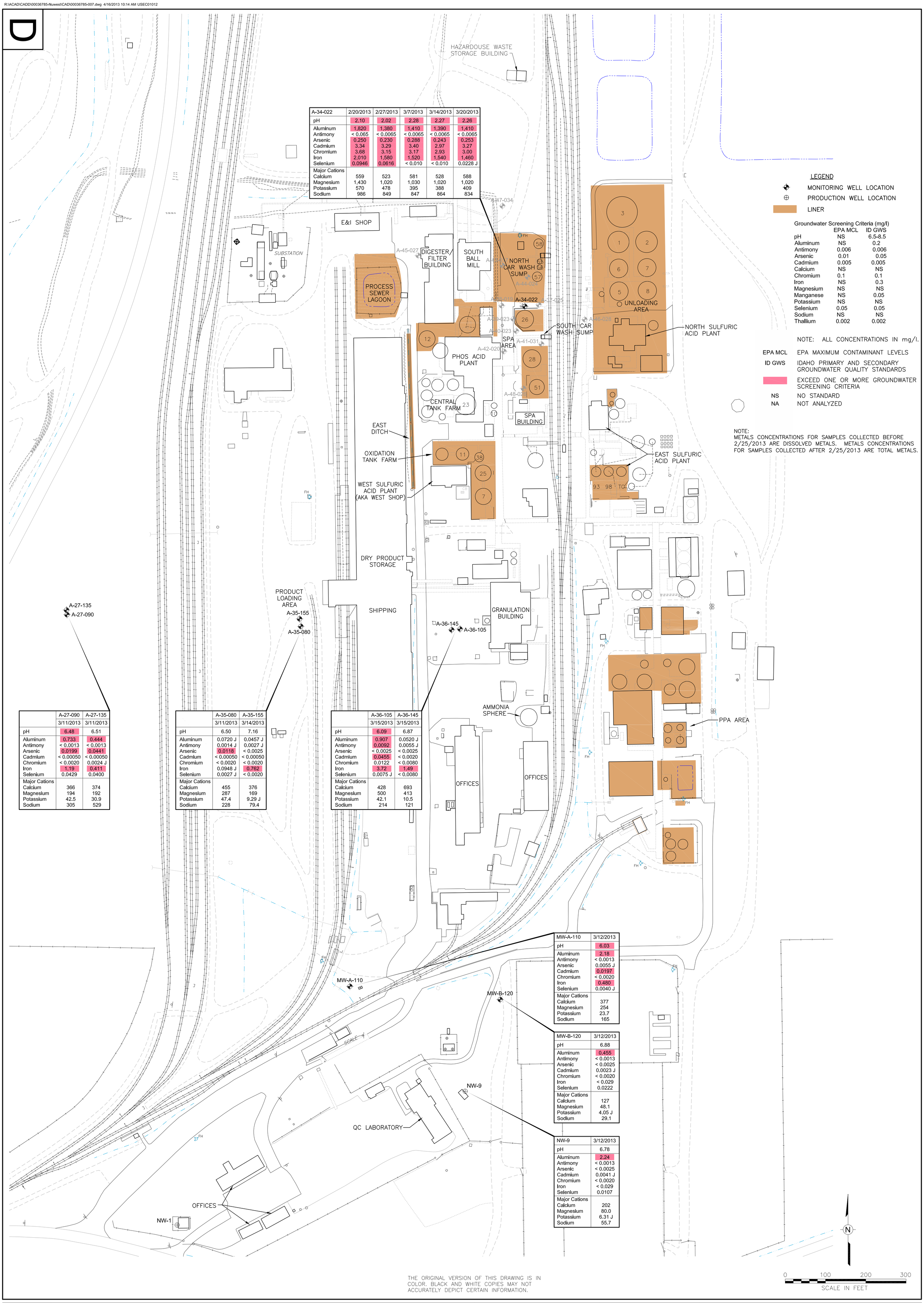

A-34-022	2/20/2013	2/27/2013	3/7/2013	3/14/2013	3/20/2013
pH	2.10	2.02	2.28	2.27	2.26
Aluminum	1,820	1,380	1,410	1,390	1,410
Antimony	< 0.065	< 0.0065	< 0.0065	< 0.0065	< 0.0065
Arsenic	0.250	0.230	0.288	0.243	0.253
Cadmium	3.34	3.29	3.40	2.97	3.27
Chromium	3.68	3.15	3.17	2.93	3.00
Iron	2,010	1,580	1,520	1,540	1,460
Selenium	0.0946	0.0616	< 0.010	< 0.010	0.0228 J
Major Cations					
Calcium	559	523	581	528	588
Magnesium	1,430	1,020	1,030	1,020	1,020
Potassium	570	478	395	388	409
Sodium	986	849	847	864	834

LEGEND

MONITORING WELL LOCATION

PRODUCTION WELL LOCATION

LINER

Groundwater Screening Criteria (mg/l)

	EPA MCL	ID GWS
pH	NS	6.5-8.5
Aluminum	NS	0.2
Antimony	0.006	0.006
Arsenic	0.01	0.05
Cadmium	0.005	0.005
Calcium	NS	NS
Chromium	0.1	0.1
Iron	NS	0.3
Magnesium	NS	NS
Manganese	NS	0.05
Potassium	NS	NS
Selenium	0.05	0.05
Sodium	NS	NS
Thallium	0.002	0.002

NOTE: ALL CONCENTRATIONS IN mg/l.

EPA MCL — EPA MAXIMUM CONTAMINANT LEVELS

ID GWS — IDAHO PRIMARY AND SECONDARY GROUNDWATER QUALITY STANDARDS

EXCEED ONE OR MORE GROUNDWATER SCREENING CRITERIA

NS — NO STANDARD

NA — NOT ANALYZED

NOTE:
METALS CONCENTRATIONS FOR SAMPLES COLLECTED BEFORE 2/25/2013 ARE DISSOLVED METALS. METALS CONCENTRATIONS FOR SAMPLES COLLECTED AFTER 2/25/2013 ARE TOTAL METALS.

	A-27-090	A-27-135
	3/11/2013	3/11/2013
pH	6.48	6.51
Aluminum	0.733	0.444
Antimony	< 0.0013	< 0.0013
Arsenic	0.0199	0.0441
Cadmium	< 0.00050	< 0.00050
Chromium	< 0.0020	0.0024 J
Iron	1.19	0.411
Selenium	0.0429	0.0400
Major Cations		
Calcium	366	374
Magnesium	194	192
Potassium	42.5	30.9
Sodium	305	529

	A-35-080	A-35-155
	3/11/2013	3/14/2013
pH	6.50	7.16
Aluminum	0.0720 J	0.0457 J
Antimony	0.0014 J	0.0027 J
Arsenic	0.0118	< 0.0025
Cadmium	< 0.00050	< 0.00050
Chromium	< 0.0020	< 0.0020
Iron	0.0948 J	0.762
Selenium	0.0027 J	< 0.0020
Major Cations		
Calcium	455	376
Magnesium	287	169
Potassium	47.4	9.29 J
Sodium	228	79.4

	A-36-105	A-36-145
	3/15/2013	3/15/2013
pH	6.09	6.87
Aluminum	0.907	0.0520 J
Antimony	0.0092	0.0055 J
Arsenic	< 0.0025	< 0.0025
Cadmium	0.0455	< 0.0020
Chromium	0.0122	< 0.0080
Iron	3.72	1.49
Selenium	0.0075 J	< 0.0080
Major Cations		
Calcium	428	693
Magnesium	500	413
Potassium	42.1	10.5
Sodium	214	121

MW-A-110	3/12/2013
pH	6.03
Aluminum	2.18
Antimony	< 0.0013
Arsenic	0.0055 J
Cadmium	0.0197
Chromium	< 0.0020
Iron	0.480
Selenium	0.0040 J
Major Cations	
Calcium	377
Magnesium	254
Potassium	23.7
Sodium	165

MW-B-120	3/12/2013
pH	6.88
Aluminum	0.455
Antimony	< 0.0013
Arsenic	< 0.0025
Cadmium	0.0023 J
Chromium	< 0.0020
Iron	< 0.029
Selenium	0.0222
Major Cations	
Calcium	127
Magnesium	48.1
Potassium	4.05 J
Sodium	29.1

NW-9	3/12/2013
pH	6.78
Aluminum	2.24
Antimony	< 0.0013
Arsenic	< 0.0025
Cadmium	0.0041 J
Chromium	< 0.0020
Iron	< 0.029
Selenium	0.0107
Major Cations	
Calcium	202
Magnesium	80.0
Potassium	6.31 J
Sodium	55.7

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Drawing Number 00036785-007

FIGURE 4

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GROUNDWATER SAMPLING ANALYTICAL RESULTS FOR DISSOLVED METALS AND pH MAIN PROCESSING AREA

NU-WEST CPO FACILITY
SODA SPRINGS, IDAHO

PREPARED FOR

HUNTON & WILLIAMS

DRAWN BY	EGC	
CHECKED	TAH	3/13/2013
APPROVED		

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REV	DESCRIPTION		
1	Revised:	Chkd:	Appr.:
2	Revised:	Chkd:	Appr.:
3	Revised:	Chkd:	Appr.:

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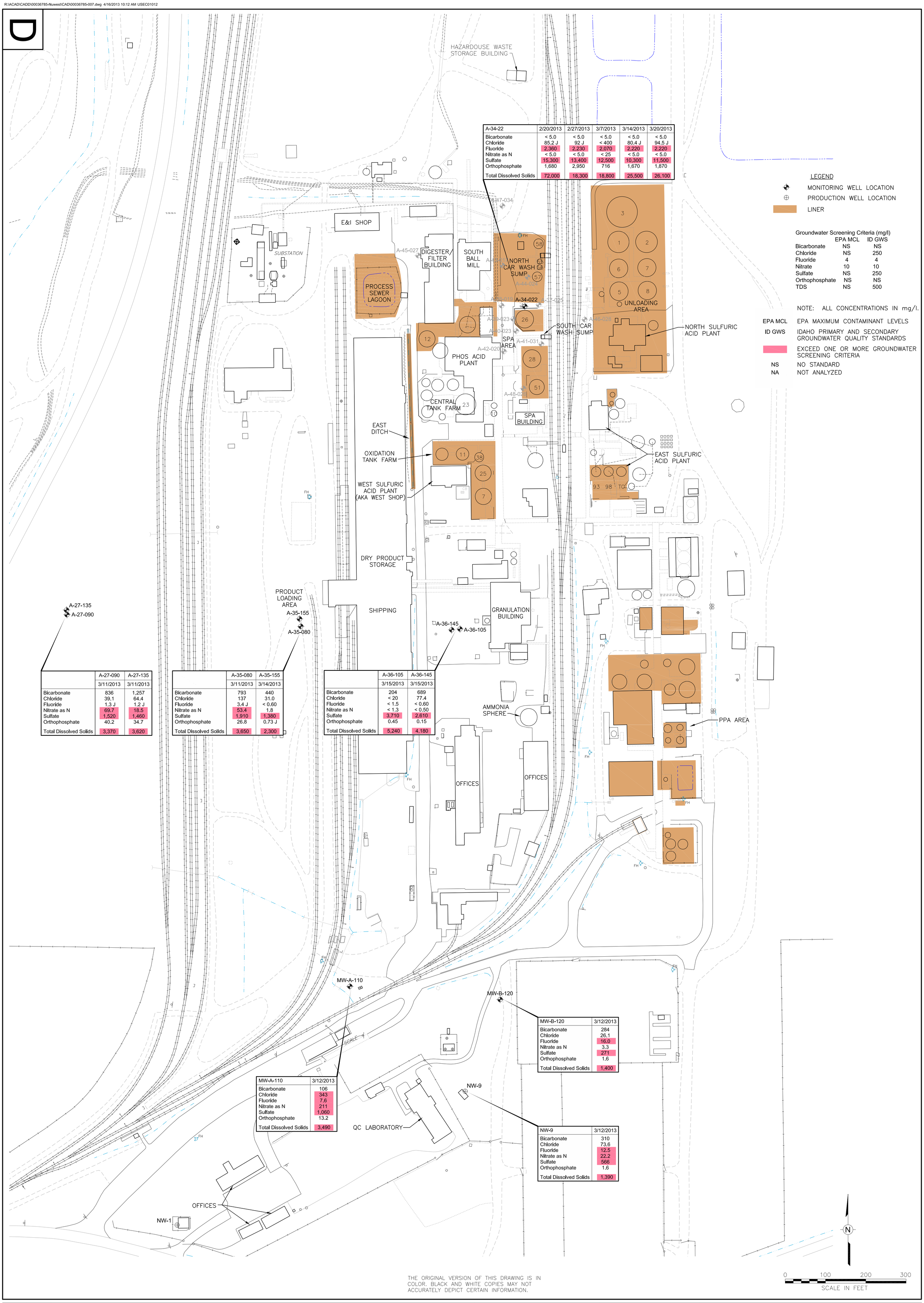

A-34-22	2/20/2013	2/27/2013	3/7/2013	3/14/2013	3/20/2013
Bicarbonate	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloride	85.2 J	92 J	< 400	80.4 J	94.5 J
Fluoride	2,360	2,230	2,070	2,220	2,220
Nitrate as N	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Sulfate	15,300	13,400	12,500	10,300	11,500
Orthophosphate	1,680	2,950	716	1,670	1,870
Total Dissolved Solids	72,000	18,300	18,800	25,500	26,100

Groundwater Screening Criteria (mg/l)

	EPA MCL	ID GWS
Bicarbonate	NS	NS
Chloride	NS	250
Fluoride	4	4
Nitrate	10	10
Sulfate	NS	250
Orthophosphate	NS	NS
TDS	NS	500

	A-27-090	A-27-135
	3/11/2013	3/11/2013
Bicarbonate	836	1,257
Chloride	39.1	64.4
Fluoride	1.3 J	1.2 J
Nitrate as N	69.7	18.5
Sulfate	1,520	1,460
Orthophosphate	40.2	34.7
Total Dissolved Solids	3,370	3,620

	A-35-080	A-35-155
	3/11/2013	3/14/2013
Bicarbonate	793	440
Chloride	137	31.0
Fluoride	3.4 J	< 0.60
Nitrate as N	53.4	1.8
Sulfate	1,910	1,380
Orthophosphate	26.8	0.73 J
Total Dissolved Solids	3,650	2,300

	A-36-105	A-36-145
	3/15/2013	3/15/2013
Bicarbonate	204	689
Chloride	< 20	77.4
Fluoride	< 1.5	< 0.60
Nitrate as N	< 1.3	< 0.50
Sulfate	3,710	2,610
Orthophosphate	0.45	0.15
Total Dissolved Solids	5,240	4,180

MW-B-120	3/12/2013
Bicarbonate	284
Chloride	26.1
Fluoride	16.0
Nitrate as N	3.3
Sulfate	271
Orthophosphate	1.6
Total Dissolved Solids	1,400

MW-A-110	3/12/2013
Bicarbonate	106
Chloride	343
Fluoride	7.6
Nitrate as N	211
Sulfate	1,060
Orthophosphate	13.2
Total Dissolved Solids	3,490

NW-9	3/12/2013
Bicarbonate	310
Chloride	73.6
Fluoride	12.5
Nitrate as N	22.2
Sulfate	566
Orthophosphate	1.6
Total Dissolved Solids	1,390

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FIGURE 5

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GROUNDWATER SAMPLING ANALYTICAL RESULTS FOR WET CHEMISTRY PARAMETERS MAIN PROCESSING AREA

NU-WEST CPO FACILITY
SODA SPRINGS, IDAHO

PREPARED FOR

HUNTON & WILLIAMS

DRAWN BY	EGC
CHECKED	TAH 4/16/2013
APPROVED	

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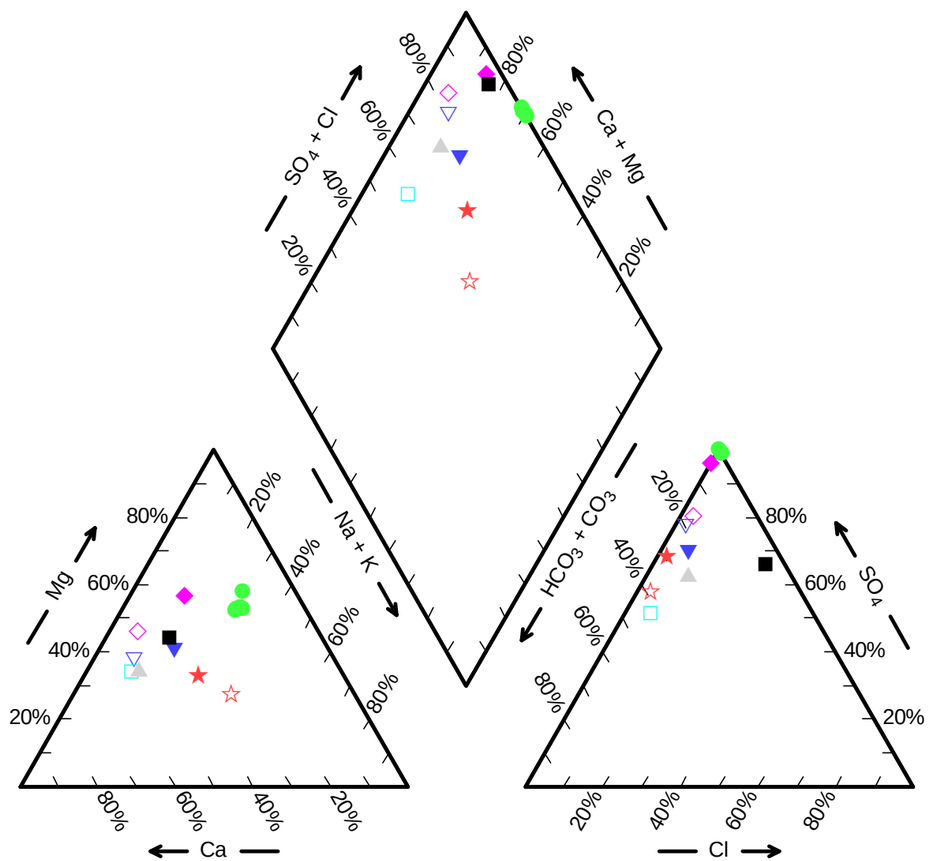
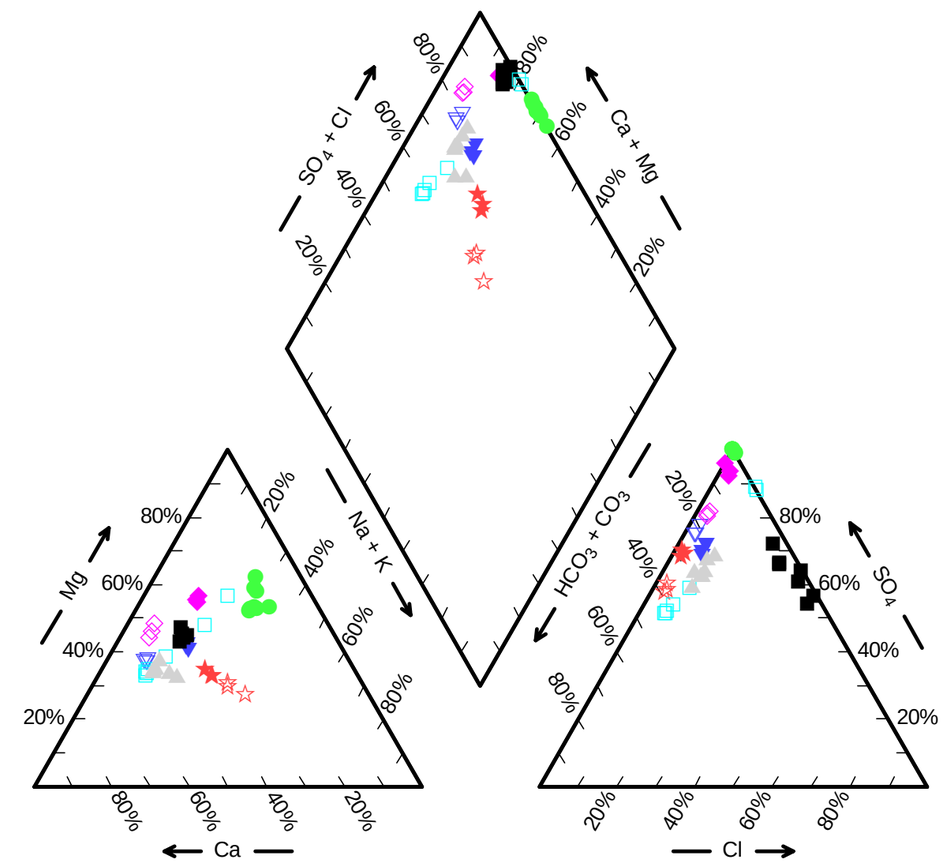


SAMPLES COLLECTED FEBRUARY 20 — MARCH 20, 2013



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PREPARED FOR
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FIGURE 6

PIPER DIAGRAM
GROUNDWATER SAMPLING RESULTS
MAIN PROCESSING AREA

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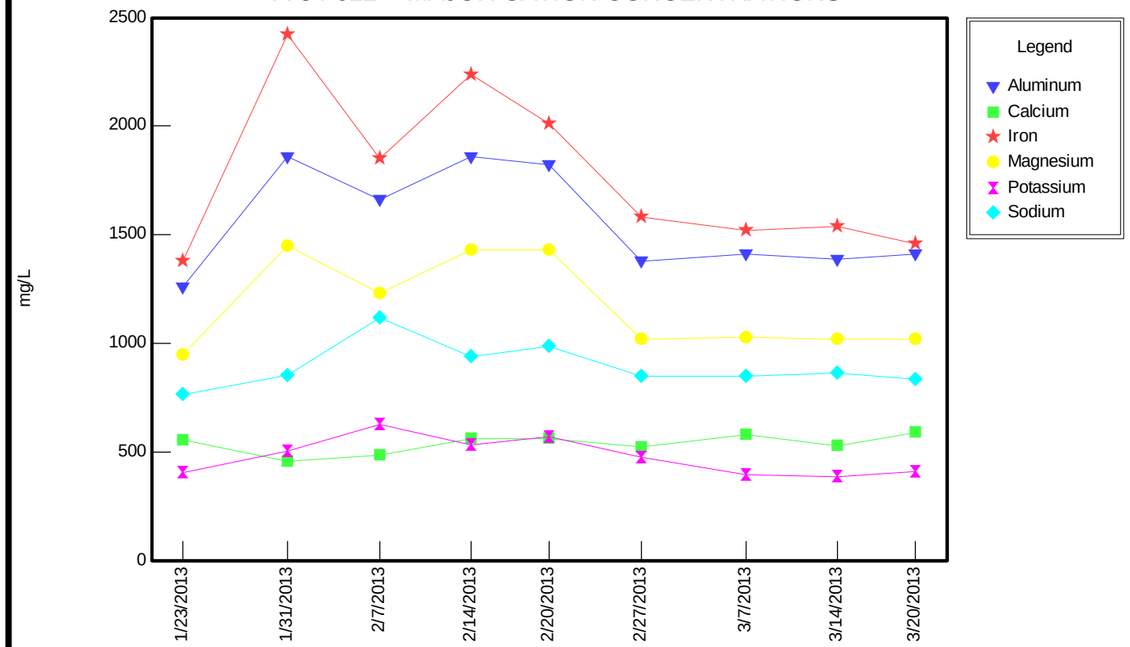
A-34-022 - MAJOR CATION CONCENTRATIONS



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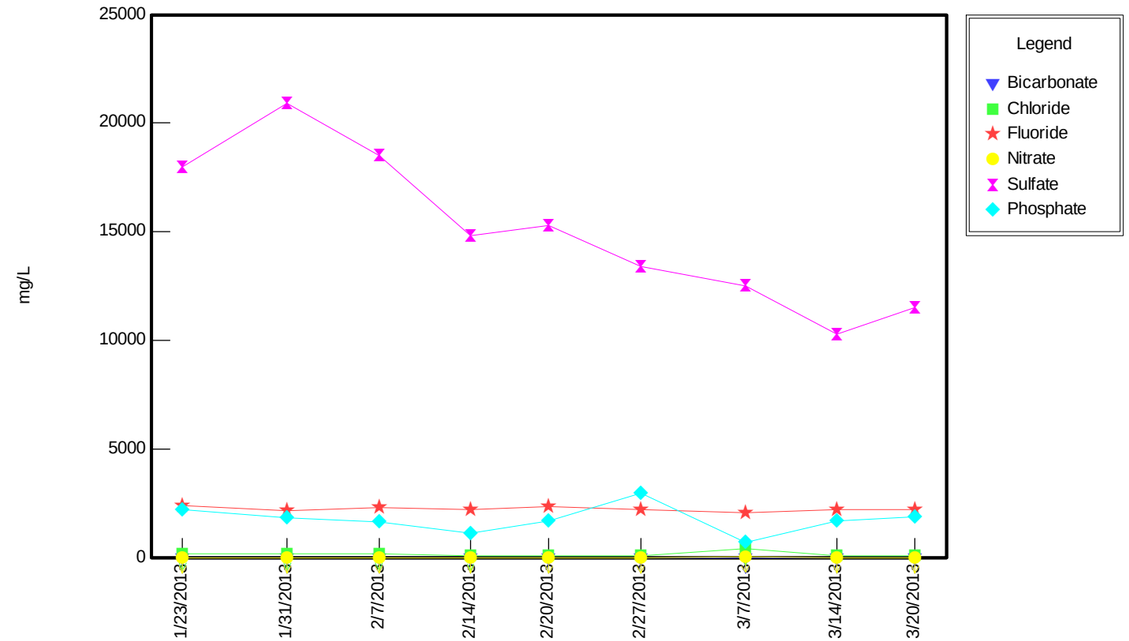
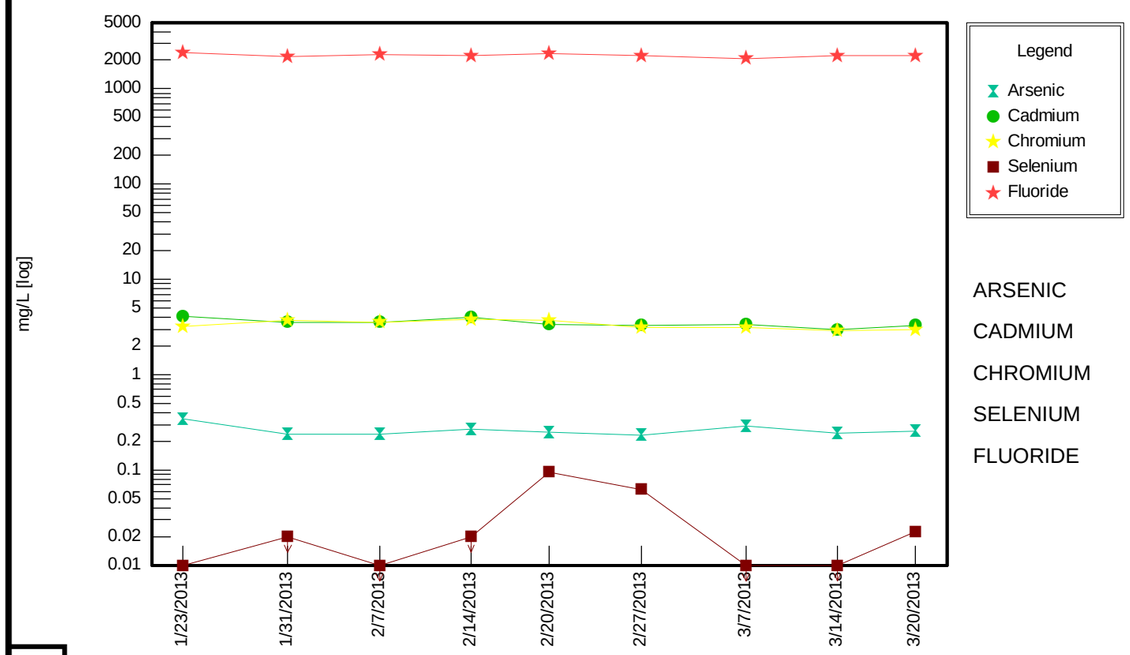


A-34-022 - CONCENTRATIONS ABOVE MCLS AND IDAHO PRIMARY GWS



	MCL (mg/l)	ID PRIMARY GWS
ARSENIC	0.01	0.05
CADMIUM	0.005	0.005
CHROMIUM	0.1	0.1
SELENIUM	0.05	0.05
FLUORIDE	4	4

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FIGURE 7

A-34-022 GROUNDWATER SAMPLING RESULTS

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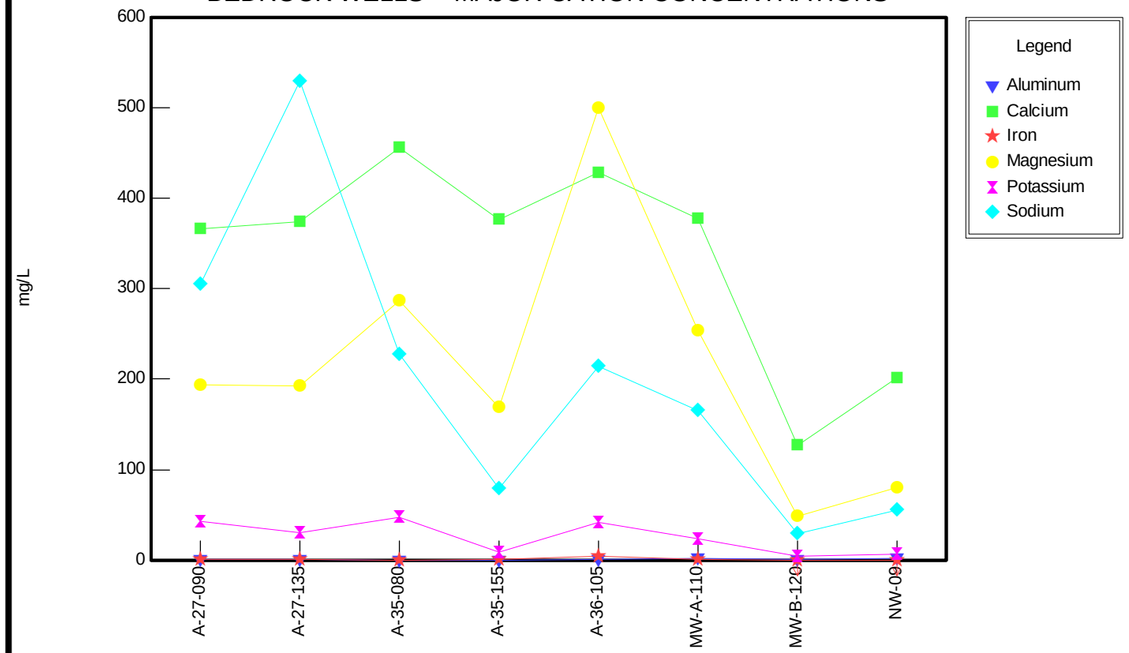
BEDROCK WELLS - MAJOR CATION CONCENTRATIONS



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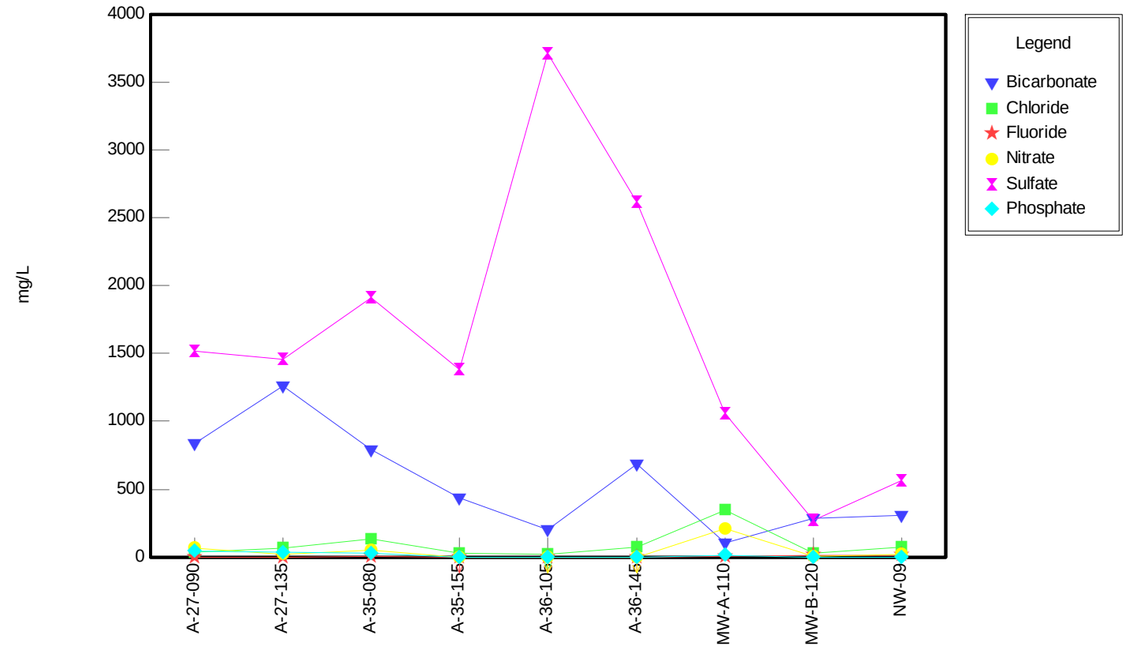
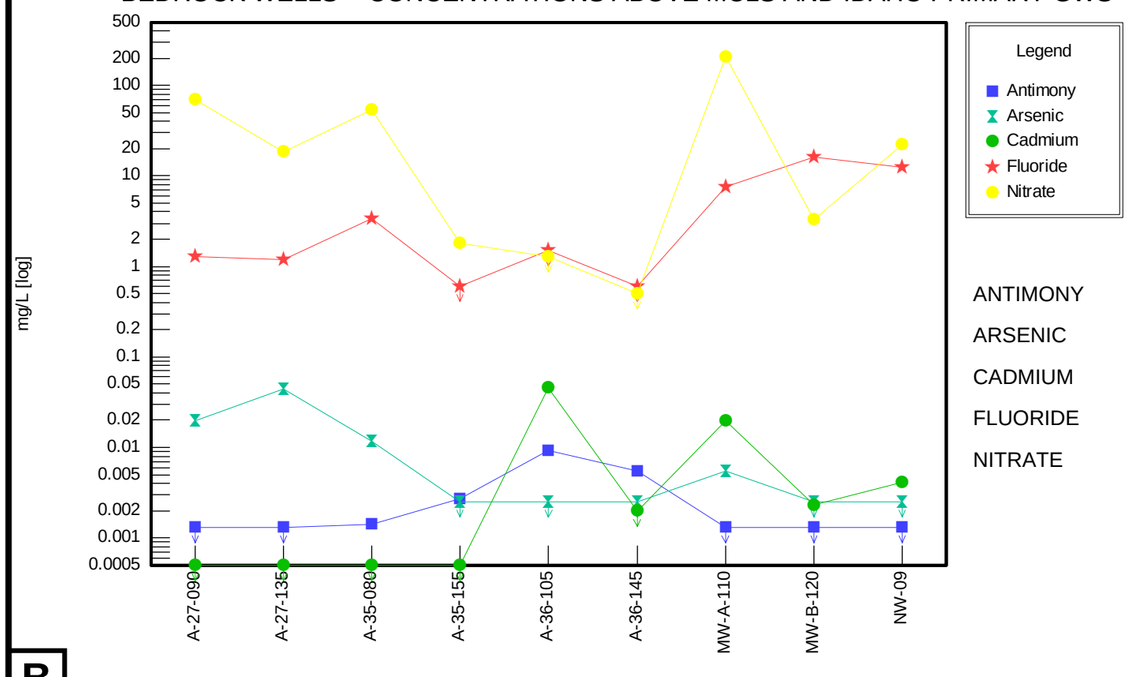


BEDROCK WELLS - CONCENTRATIONS ABOVE MCLS AND IDAHO PRIMARY GWS



	MCL (mg/l)	ID PRIMARY GWS
ANTIMONY	0.006	0.006
ARSENIC	0.01	0.05
CADMIUM	0.005	0.005
FLUORIDE	4	4
NITRATE	10	10

B

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NU-WEST CPO FACILITY
SODA SPRINGS, IDAHO
PREPARED FOR
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FIGURE 8

BEDROCK WELLS
GROUNDWATER SAMPLING RESULTS
MARCH 11—15, 2013

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Tables

Table 1

Monitoring and Production Well Construction Summary
Nu-West CPO Facility
Soda Springs, Idaho

Well ID	Old Well ID	Screened Aquifer	Northing[a] (ft)	Easting[a] (ft)	Top of Casing[a] (ft-msl)	Ground Surface Elevation (ft-msl)	Casing Diameter (inches)	Well Depth[b] (ft)	Borehole Depth[b] (ft)	Approximate Screened Interval (ft-bgs)	Approximate Screened Interval (ft-amsl)	Date Installed
Groundwater Monitoring Wells												
A-01-065	A-1	Alluvial	400820.47	825188.39	6225.04	6222.89	2	65	65	55 to 65	6168 to 6158	Nov-99
--	A-2[c,d]	Alluvial	399154.36	820631.94	6158.62	6159.38	2	30	30	20 to 30	6139 to 6129	Nov-99
A-02-167	A-2A	Basalt	400540.51	820544.12	6161.00	6159.38	2	167	200	97 to 167	6062 to 5992	Dec-03
A-03-108	A-3	Basalt	392893.30	819996.64	6152.88	6151.44	2	108	108	88 to 108	6063 to 6043	Nov-99
A-04-115	A-4	Basalt	393211.89	820786.10	6153.07	6151.52	2	115	115	95 to 115	6057 to 6037	Nov-99
A-05-193	A-5	Sedimentary	392253.47	820189.32	6153.50	6151.78	2	213	213	173 to 193	5979 to 5959	Nov-99
A-06-118	A-6	Sedimentary	392232.77	820201.53	6153.22	6151.75	2	118	118	98 to 118	6054 to 6034	Nov-99
A-07-120	A-7	Basalt	391329.12	820806.68	6153.42	6151.61	2	120	120	100 to 120	6052 to 6032	Nov-99
A-08-127	A-8	Basalt	391175.75	819947.89	6151.89	6150.30	2	127	127	107 to 127	6043 to 6023	Nov-99
--	A-9[c]	Basalt	--	--	--	--	2	98.5	98.5	88 to 98	-- to --	Nov-99
A-09-150	A-9A	Basalt	390298.36	819825.71	6149.82	6148.04	2	150/149	150	90 to 150	6058 to 5998	Aug-01
A-10-199	A-10	Basalt	387443.80	818091.11	6127.76	6125.62	2	199	199	139 to 199	5987 to 5927	Oct-02
A-11-140	A-11	Basalt	392614.92	819043.56	6151.99	6150.49	2	140/142	148	100 to 140	6050 to 6010	May-07
A-12-110	A-12	Basalt	392584.25	818841.79	6129.81	6127.58	2	110/115	148	70 to 110	6058 to 6018	May-07
A-13-135	A-13	Sedimentary	390620.46	825815.20	6205.29	6204.03	2	135	200	115 to 135	6089 to 6069	Sep-11
A-14-180	A-14	Sedimentary	392788.79	825200.57	6192.49	6191.14	2	180	200	160 to 180	6031 to 6011	Oct-11
A-15-105	A-15	Basalt	392808.60	825194.39	6192.43	6191.05	2	105	105	85 to 105	6106 to 6086	Oct-11
A-16-190	A-16	Sedimentary	395736.62	824928.23	6244.87	6243.79	2	190	200	170 to 190	6074 to 6054	Oct-11
A-17-150	A-17	Sedimentary	399771.64	824724.58	6198.86	6198.00	2	150	200	130 to 150	6068 to 6048	Sep-11
A-18-110	A-18	Basalt	390853.89	820813.86	6151.31	6150.50	2	110	200	90 to 110	6061 to 6041	Oct-11
A-19-095	A-19	Basalt	391375.09	820809.63	6152.03	6151.80	2	95	95	75 to 95	6077 to 6057	Oct-11
A-20-056	A-20S	Basalt	391964.13	820804.31	6156.17	6154.81	1	56	56	36 to 56	6119 to 6099	Oct-11
A-20-090	A-20D	Basalt	391964.47	820804.17	6156.03	6154.81	2	90	90	70 to 90	6085 to 6065	Oct-11
A-21-185	A-21	Sedimentary	392986.78	820797.38	6154.83	6152.74	2	185	185	165 to 185	5988 to 5968	Nov-11
A-22-063	--	Basalt	393681.70	820788.61	6153.93	6152.62	4	63	75.3	53 to 63	6100 to 6090	Nov-12
A-23-095	A-23	Basalt	394629.10	820779.59	6152.22	6151.56	2	95	95	75 to 95	6077 to 6057	Nov-11
A-25-085	A-25S	Basalt	396000.35	820744.86	6157.43	6156.00	2	85	65	65 to 85	6091 to 6071	Nov-11
A-25-185	A-25D	Basalt	396000.39	820745.16	6157.36	6156.00	2	185	185	165 to 185	5991 to 5971	Nov-11
A-26-060	--	Basalt	392504.95	820799.27	6155.29	6154.31	4	60	100	50 to 60	6104 to 6094	Nov-12
A-27-090	--	Basalt	391084.11	822991.57	6153.36	6151.64	4	90	90	70 to 90	6082 to 6062	Oct-12
A-27-135	--	Basalt	391095.71	822990.22	6152.80	6151.47	4	135	138	125 to 135	6026 to 6016	Oct-12
A-28-110	--	Basalt	388945.81	820980.95	6142.74	6141.02	4	110	110	90 to 110	6051 to 6031	Oct-12
A-28-165	--	Basalt	388948.71	820999.73	6142.75	6140.94	4	165	173	145 to 165	5996 to 5976	Oct-12
A-29-145	--	Basalt	388752.06	820326.66	6147.75	6145.92	4	145	145	135 to 145	6011 to 6001	Oct-12
A-29-195	--	Basalt	388770.83	820330.40	6147.62	6145.92	4	195	195.5	180 to 195	5966 to 5951	Oct-12

Table 1

Monitoring and Production Well Construction Summary
Nu-West CPO Facility
Soda Springs, Idaho

Well ID	Old Well ID	Screened Aquifer	Northing[a] (ft)	Easting[a] (ft)	Top of Casing[a] (ft-msl)	Ground Surface Elevation (ft-msl)	Casing Diameter (inches)	Well Depth[b] (ft)	Borehole Depth[b] (ft)	Approximate Screened Interval (ft-bgs)	Approximate Screened Interval (ft-amsl)	Date Installed
Groundwater Monitoring Wells												
A-30-135	--	Basalt	388694.90	820056.30	6116.40	6114.91	4	135	135	125 to 135	5990 to 5980	Nov-12
A-30-175	--	Basalt	388715.75	820056.63	6116.84	6115.35	4	175	175	165 to 175	5950 to 5940	Nov-12
A-31-130	--	Basalt	389490.29	819692.67	6117.10	6115.33	4	130	130	110 to 130	6005 to 5985	Nov-12
A-31-170	--	Basalt	389474.31	819697.81	6117.80	6115.39	4	170	175	150 to 170	5965 to 5945	Nov-12
A-32-110	--	Basalt	390194.48	819460.41	6118.35	6117.63	4	110	110	90 to 110	6028 to 6008	Nov-12
A-32-150	--	Basalt	390212.48	819453.76	6118.91	6117.83	4	150	156	130 to 150	5988 to 5968	Nov-12
A-34-022	--	Soil-Bedrock	391848.79	824127.60	6162.28	6160.86	4	22	22	12 to 22	6149 to 6139	Nov-12
A-35-080	--	Basalt	391055.18	823571.75	6159.01	6157.39	4	80	81	60 to 80	6097 to 6077	Nov-12
A-35-155	--	Basalt	391073.65	823568.67	6158.92	6157.37	4	155	156	135 to 155	6022 to 6002	Nov-12
A-36-105	--	Basalt-Sedimentary	391048.63	823966.68	6160.48	6159.44	4	105	105	95 to 105	6064 to 6054	Dec-12
A-36-145	--	Sedimentary	391046.53	823945.97	6160.54	6159.36	4	145	147	125 to 145	6034 to 6014	Dec-12
A-37-025	--	Soil-Bedrock	391852.74	824162.10	6163.63	6163.04	4	25	25	15 to 25	6148 to 6138	Feb-13
A-38-019	--	Soil-Bedrock	391850.52	824070.12	6161.96	6159.56	4	19	19	9 to 19	6151 to 6141	Feb-13
A-39-023	--	Soil-Bedrock	391817.72	824098.82	6159.58	6159.97	4	23	23	13 to 23	6147 to 6137	Feb-13
A-40-023	--	Soil-Bedrock	391787.76	824106.24	6162.65	6160.56	4	23	23	13 to 23	6148 to 6138	Feb-13
A-41-031	--	Soil-Bedrock	391755.44	824168.66	6161.30	6161.68	4	31	33	21 to 31	6141 to 6131	Feb-13
A-42-020	--	Soil-Bedrock	391737.06	824075.77	6161.96	6159.84	4	20	20	10 to 20	6150 to 6140	Feb-13
A-43-017	--	Soil-Bedrock	391950.66	824071.89	6161.80	6159.65	4	17	17	7 to 17	6153 to 6143	Feb-13
A-44-024	--	Soil-Bedrock	391921.56	824134.95	6160.14	6160.57	4	24	24	14 to 24	6147 to 6137	Feb-13
A-45-027	--	Soil-Bedrock	391975.03	823862.82	6162.50	6159.47	4	27	27	17 to 27	6142 to 6132	Feb-13
A-46-028	--	Soil-Bedrock	391816.37	824276.03	6163.55	6160.97	4	28	28	18 to 28	6143 to 6133	Feb-13
A-47-034	--	Soil-Bedrock	392097.97	824071.86	6161.50	6159.23	4	34	34	24 to 34	6135 to 6125	Feb-13
A-48-026	--	Soil-Bedrock	391645.35	824123.77	6164.18	6161.16	4	26	26	16 to 26	6145 to 6135	Feb-13
MW05-1-265	MW05-1	Basalt	403417.25	817949.06	6165.86	6164.85	2	265	265	165 to 265	6000 to 5900	Aug-05
MW05-2-100	MW05-2	Basalt	401712.50	819953.80	6164.11	6163.04	2	100/97	345	20 to 100	6143 to 6063	Aug-05
MW05-3-240	MW05-3	Basalt	396899.51	819158.98	6154.98	6154.07	2	240	247	140 to 240	6014 to 5914	Aug-05
MW05-4-260	MW05-4	Basalt	396854.85	817856.40	6173.76	6173.41	2	260	265	160 to 260	6013 to 5913	Aug-05
MW05-5-240	MW05-5	Basalt	395406.20	818066.73	6181.07	6179.40	2	240/259	240	140 to 240	6039 to 5939	Aug-05
MW-A-110	MW-A	Basalt-Sedimentary	390162.21	823693.47	6159.21	6157.85	2	110	110	60 to 110	6098 to 6048	Nov-04
MW-B-120	MW-B	Basalt-Sedimentary	390129.59	824066.30	6167.75	6166.09	2	120	120	60 to 120	6106 to 6046	Nov-04

Table 1

Monitoring and Production Well Construction Summary
Nu-West CPO Facility
Soda Springs, Idaho

Well ID	Old Well ID	Screened Aquifer	Northing[a] (ft)	Easting[a] (ft)	Top of Casing[a] (ft-msl)	Ground Surface Elevation (ft-msl)	Casing Diameter (inches)	Well Depth[b] (ft)	Borehole Depth[b] (ft)	Approximate Screened Interval (ft-bgs)	Approximate Screened Interval (ft-amsl)	Date Installed
Nu-West Production Wells[e]												
NW-1	NW-1	Basalt-Sedimentary	389570.21	823264.86	--	--	20 & 16	280	280	45 to 240	-- to --	Oct-64
NW-5	NW-5	Basalt	395506.51	820967.45	--	6154.75	16	272	272	50 to 260	6105 to 5895	Nov-65
NW-7	NW-7	Sedimentary	391220.27	826229.32	--	6245.40	24 & 16	503	503	104 to 465	6141 to 5780	Sep-88
NW-8	NW-8	Sedimentary	391976.24	826632.55	--	6308.92	24 & 16	600	600	367 to 527	5942 to 5782	Sep-92
NW-9	NW-9	Basalt-Sedimentary	389904.93	823970.66	--	6170.53	20 & 16	255	255	40 to 100	6131 to 6071	Feb-00
										120 to 140	6051 to 6031	
										180 to 220	5991 to 5951	
										235 to 255	5936 to 5916	
NW-10	NW-10	Basalt-Sedimentary	400730.36	821736.17	--	6168.68	20	355	355	70 to 90	6099 to 6079	--
										120 to 150	6049 to 6019	
										270 to 300	5899 to 5869	
										320 to 350	5849 to 5819	
NW-11	NW-11	Basalt	401510.80	820383.01	--	--	16	325	325	162 to 325	-- to --	Sep-06
Mtn Fuel	Mtn Fuel	Basalt	396814.20	820979.01	--	6159.03	20 & 16	225	225	50 to 60	6109 to 6099	Jun-67
										68 to 165	6091 to 5994	
										170 to 225	5989 to 5934	
Offsite Production Wells												
JRS-7	JRS-7	Basalt-Sedimentary	389171.98	821994.22	--	6143.49	20 & 16	300	300	50 to 224	6093 to 5919	May-65
										236 to 295	5907 to 5848	
JRS-8	JRS-8	Basalt-Sedimentary	389439.01	822387.96	--	6146.93	10	97	97	62 to 97	6085 to 6050	--
JRS-10	JRS-10	Basalt-Sedimentary	387555.18	821083.12	--	6140.78	20 & 16	220	220	60 to 210	6081 to 5931	Nov-65
JRS-11	JRS-11	--	388023.55	827895.88	--	6236.78	--	--	--	-- --	-- --	--
Arr-Maz	Arr-Maz	--	382490.05	818997.16	--	6074.92	--	--	--	-- --	-- --	--
Offsite Domestic Wells												
Torgesen	Torgesen	Basalt	---	--	--		6	225	245	185 to 225	-- --	Dec-70
Lowry	Lowry	--	384536.64	817852.70	--	6102.08	--	--	--	-- --	-- --	--

-- = indicates no data are available
ft-msl = feet mean sea level; ft-bgs = feet below ground surface; ft = feet; diam = diameter;
PVC = polyvinyl chloride; WDC = WDC Exploration & Wells
a/ Groundwater monitoring wells were surveyed by A. A. Hudson & Associates in December 2012 and March 2013. Top of casing elevation refers to the elevation of the well's PVC casing.
b/ Well and borehole depths as reported in the well log is provided. For wells A-09-150, A-11-140, A-12-110, MW05-2-100, and MW05-5-240, the well depth measured in October 2011 is also shown, behind the back slash (i.e., "well depth in well log" / "measured well depth".
c/ Wells A-2 and A-9 have been destroyed and are no longer sampled.
d/ Well A-2 survey data reflect the location of the based of the dozed collar of the former well A-2.
e/ Production wells are housed inside a building. Shown northing and easting were taken from the corners of the building, elevation is taken from the threshold of the building.

Table 2

Groundwater Elevation Data
December 2012 through March 2013
Nu-West CPO Facility
Soda Springs, Idaho

		Groundwater Elevation Data				Well Pair Data	
Well ID	**Date**	**TOC Elevation (feet amsl)**	**Depth to Water (feet btoc)**	**Groundwater Elevation (feet amsl)**	**Change in Elevation (feet)**	**Vertical Hydraulic Head Difference (feet)**	**Vertical Hydraulic Gradient (b)**
A-27-090	12/10/2012	6153.36	34.68	6118.68	--	1.66	-0.033
	2/11/2013		34.50	6118.86	0.18	1.28	-0.026
	3/7/2013		34.40	6118.96	0.10	1.71	-0.034
	3/11/2013		34.38	6118.98	0.02	1.84	-0.037
A-27-135	12/10/2012	6152.80	35.78	6117.02	--	--	--
	2/11/2013		35.22	6117.58	0.56	--	--
	3/7/2013		35.55	6117.25	-0.33	--	--
	3/11/2013		35.66	6117.14	-0.11	--	--
A-34-022	12/10/2012	6162.28	6.96	6155.32	--	--	--
	2/11/2013		7.74	6154.54	-0.78	--	--
	3/7/2013		8.01	6154.27	-0.27	--	--
	3/11/2013		8.10	6154.18	-0.09	--	--

Table 2

Groundwater Elevation Data
December 2012 through March 2013
Nu-West CPO Facility
Soda Springs, Idaho

		Groundwater Elevation Data				Well Pair Data	
Well ID	**Date**	**TOC Elevation (feet amsl)**	**Depth to Water (feet btoc)**	**Groundwater Elevation (feet amsl)**	**Change in Elevation (feet)**	**Vertical Hydraulic Head Difference (feet)**	**Vertical Hydraulic Gradient (b)**
A-35-080	12/10/2012	6159.01	42.28	6116.73	--	2.83	0.038
	2/11/2013		41.48	6117.53	0.80	2.88	0.038
	3/7/2013		40.89	6118.12	0.59	1.84	0.025
	3/11/2013		40.90	6118.11	-0.01	1.70	0.023
A-35-155	12/10/2012	6158.92	39.36	6119.56	--	--	--
	2/11/2013		38.51	6120.41	0.85	--	--
	3/7/2013		38.96	6119.96	-0.45	--	--
	3/11/2013		39.11	6119.81	-0.15	--	--
A-36-105	12/10/2012	6160.48	37.88	6122.60	--	0.24	0.007
	2/11/2013		36.89	6123.59	0.99	0.26	0.007
	3/7/2013		37.43	6123.05	-0.54	0.17	0.005
	3/11/2013		37.53	6122.95	-0.10	0.10	0.003
A-36-145	12/10/2012	6160.54	37.71	6122.83	--	--	--
	2/11/2013		36.70	6123.84	1.01	--	--
	3/7/2013		37.33	6123.21	-0.63	--	--
	3/11/2013		37.50	6123.04	-0.17	--	--

Table 2

Groundwater Elevation Data
December 2012 through March 2013
Nu-West CPO Facility
Soda Springs, Idaho

		Groundwater Elevation Data				Well Pair Data	
Well ID	**Date**	**TOC Elevation (feet amsl)**	**Depth to Water (feet btoc)**	**Groundwater Elevation (feet amsl)**	**Change in Elevation (feet)**	**Vertical Hydraulic Head Difference (feet)**	**Vertical Hydraulic Gradient (b)**
MW-A-110	12/10/2012	6159.21	44.71	6114.50	--	--	--
	2/11/2013		42.44	6116.77	2.27	--	--
	3/7/2013		41.74	6117.47	0.70	--	--
	3/11/2013		41.63	6117.58	0.11	--	--
MW-B-120	12/10/2012	6167.75	50.08	6117.67	--	--	--
	2/11/2013		48.14	6119.61	1.94	--	--
	3/7/2013		48.20	6119.55	-0.06	--	--
	3/11/2013		47.92	6119.83	0.28	--	--

a/ TOC = top of casing; ft amsl = feet above mean sea level; ft btoc = feet below top of casing
b/ Negative value is downward gradient; positive value is upward gradient

Table 3

Historical Groundwater Elevation Data
Nu-West CPO Facility
Soda Springs, Idaho

Well ID	TOC Elevation (feet amsl)	Groundwater Elevation (ft amsl)															
		Apr-01	Jul-01	Nov-01	Jun-02	Oct-02	May-03	Oct-03	May-04	Oct-04	Jun-05	Oct-05	Jun-06	Dec-06	May-07	Oct-07	Jun-08
A-01-065	6225.04	6188.71	6191.79	6192.91	6189.93	6188.15	6188.41	6188.46	6188.15	6186.81	6189.70	6190.70	6189.00	6190.70	6187.80	6187.70	6188.40
A-02-167	6161.00																
A-03-108	6152.88	6053.88	6042.97		6054.70								6060.40	6062.80	6056.00	6041.77	6054.40
A-04-115	6153.07	6099.15	6087.53	6089.07	6104.19	6085.11	6083.38	6067.68	6063.33	6057.48	6062.40	6062.80	6111.50	6111.50	6102.40	6080.80	6104.60
A-05-193	6153.50	6061.39	6056.05	6050.18	6065.79	6051.14	6049.55	6036.31	6033.40	6030.12	6032.40	6029.20	6067.00	6066.90	6064.90	6046.00	6061.30
A-06-118	6153.22	6043.93	6041.69	6033.93	6052.14	6037.87	6032.56				6033.40	6031.90	6044.20	6054.20	6054.10	6038.20	6046.40
A-07-120	6153.42	6052.93	6051.05	6041.42	6058.77	6042.37	6039.77	6030.56	6029.60				6063.80	6058.50	6059.00	6038.50	6052.80
A-08-127	6151.89	6034.67	6033.77		6039.21	6022.65							6037.00	6035.00	6041.60	6021.50	6026.60
A-09-150	6149.82	6038.30	6035.51	6022.08	6040.57	6024.44	6020.09	6012.09	6011.37	6009.79	6011.40	6010.40	6039.70	6036.30	6043.30	6018.30	6027.90
A-10-199	6127.76					5985.16	5986.58	5983.11	5985.20	5982.45	5988.30	5983.30	5992.00	5988.30	5991.20	5986.30	5986.60
A-11-140	6151.99														6025.30	6017.00	6008.20
A-12-110	6129.81														6041.30	6015.00	6016.30
A-13-135	6205.29																
A-14-180	6192.49																
A-15-105	6192.43																
A-16-190	6244.87																
A-17-150	6198.86																
A-18-110	6151.31																
A-19-095	6152.03																
A-20-056	6156.17																
A-20-090	6156.03																
A-21-185	6154.83																
A-22-063	6153.93																
A-23-095	6152.22																
A-25-085	6157.43																
A-25-185	6157.36																
A-26-060	6155.29																
A-27-090	6153.36																
A-27-135	6152.80																
A-28-110	6142.74																
A-28-165	6142.75																
A-29-145	6147.75																
A-29-195	6147.62																
A-30-135	6116.40																
A-30-175	6116.84																
A-31-130	6117.10																
A-31-170	6116.98																
A-32-110	6118.35																
A-32-150	6118.91																
A-34-022	6162.28																
A-35-080	6159.01																
A-35-155	6158.92																
A-36-105	6160.48																
A-36-145	6160.54																
MW05-1-265	6165.86												6057.60	6049.20	6054.20	6045.00	6046.40
MW05-2-100	6164.11												6144.30	6147.00	6145.60	6145.40	6145.10
MW05-3-240	6154.98												6104.00	6104.50	6092.70	6072.00	6096.00
MW05-4-260	6173.76												6002.00	6003.00	6005.00	5991.00	5994.10
MW05-5-240	6181.07												5999.80	6002.20	6002.80	5988.00	5993.30
MW-A-110	6159.21											6087.70	6103.80	6101.80	6103.30	6099.80	6103.70
MW-B-120	6167.75											6089.40	6103.20	6101.70	6102.10	6100.30	6101.30

Table 3

Historical Groundwater Elevation Data
Nu-West CPO Facility
Soda Springs, Idaho

Well ID	TOC Elevation (feet amsl)	Groundwater Elevation (ft amsl)													
		Oct-08	May-09	Oct-09	May-10	Oct-10	May-11	Oct-11	Nov-11	Dec-11	May-12	Oct-12	Dec-12	Feb-13	Mar-13
A-01-065	6225.04	6187.00	6189.20	6187.80	6191.72	6190.91	6192.64	6191.46			6191.45	6190.84	6191.12		
A-02-167	6161.00				6151.10	6150.93	6151.93	6155.88			6153.80	6153.17	6152.28		
A-03-108	6152.88	6044.00	6065.80	6054.90	6073.36	6050.87	6069.00	6077.29			6068.64	6062.47	6079.07		
A-04-115	6153.07	6092.40	6115.20	6104.20	6127.08	6095.40	6123.64	6132.05		6127.46	6116.27	6115.49	6130.59		
A-05-193	6153.50	6054.10	6067.20	6065.50	6079.77	6060.74	6076.69	6083.54			6077.02	6070.21	6081.44		
A-06-118	6153.22	6041.50	6050.60	6052.40	6064.84	6049.94	6061.74	6069.01			6064.16	6055.14	6066.38		
A-07-120	6153.42	6046.50	6060.30	6060.20	6075.53	6055.26	6071.69	6081.68	6083.49	6083.63	6074.69	6065.31	6077.50		
A-08-127	6151.89	6021.80	6032.90	6040.70	6053.63	6035.55	6050.63	6063.38			6062.83	6045.06	6055.72		
A-09-150	6149.82	6022.50	6035.10	6042.40	6055.85	6036.99	6053.60	6065.73			6064.92	6047.55	6057.52		
A-10-199	6127.76	5984.10	5989.30	5990.30	5992.96	5991.06	5997.79	6000.37			6002.37	5994.91	5994.56		
A-11-140	6151.99	6004.50	6015.10	6012.40	6040.11	6018.97	6036.31	6055.73			6057.08	6028.23	6042.14		
A-12-110	6129.81	6010.00	6030.60	6016.40	6029.62	6018.87	6033.38	6043.48			6055.78	6029.50	6030.18		
A-13-135	6205.29								6119.73	6120.26	6122.79	6123.64	6122.75		
A-14-180	6192.49								6136.60	6137.55	6137.07	6135.78	6135.53		
A-15-105	6192.43								6147.82	6138.54	6138.23	6137.09	6136.69		
A-16-190	6244.87								6144.80	6144.86	6144.93	6144.34	6143.96		
A-17-150	6198.86								6160.74	6160.04	6159.67	6159.94	6158.96		
A-18-110	6151.31								6074.29	6074.91	6067.88	6056.89	6065.72		
A-19-095	6152.03								6063.38	6083.39	6068.60	6066.00	6078.42		
A-20-056	6156.17								6119.88	6116.86	6104.97	6100.58	6117.64		
A-20-090	6156.03								6116.83	6115.33	6104.97	6100.72	6116.22		
A-21-185	6154.83								6127.93	6125.03	6114.42	6111.48	6125.21		
A-22-063	6153.93												6134.84		
A-23-095	6152.22								6133.91	6130.88	6123.02	6119.58	6137.06		
A-25-085	6157.43								6134.53	6130.85	6117.04	6115.05	6134.93		
A-25-185	6157.36								6134.91	6130.78	6116.87	6114.97	6134.82		
A-26-060	6155.29												6122.10		
A-27-090	6153.36												6118.68	6118.86	6118.98
A-27-135	6152.80												6117.02	6117.58	6117.14
A-28-110	6142.74												6058.03		
A-28-165	6142.75												6057.72		
A-29-145	6147.75												6051.81		
A-29-195	6147.62												6052.61		
A-30-135	6116.40												6039.91		
A-30-175	6116.84												6038.54		
A-31-130	6117.10												6047.24		
A-31-170	6116.98												6047.44		
A-32-110	6118.35												6046.34		
A-32-150	6118.91												6046.50		
A-34-022	6162.28												6155.32	6154.54	6154.18
A-35-080	6159.01												6116.73	6117.53	6118.11
A-35-155	6158.92												6119.56	6120.41	6119.81
A-36-105	6160.48												6122.60	6123.59	6122.95
A-36-145	6160.54												6122.83	6123.84	6123.04
MW05-1-265	6165.86	6041.50	6053.20	6058.50	6062.45	6062.71	6068.83	6078.10			6076.06	6068.47	6063.77		
MW05-2-100	6164.11	6137.90	6148.40	6147.80	6154.47	6153.93	6156.56	6160.44			6160.11	6160.26	6159.09		
MW05-3-240	6154.98	6083.90	6107.10	6095.20	6118.90	6093.64	6114.89	6125.97			6106.30	6103.88	6122.97		
MW05-4-260	6173.76	5990.60	6001.30	5999.40	6012.62	5996.76	6011.30	6019.62			6016.34	6002.67	6015.34		
MW05-5-240	6181.07	5987.40	5998.80	5996.30	6013.72	5996.38	6011.96	6020.72			6017.58	6003.18	6016.65		
MW-A-110	6159.21	6102.10	6108.00	6112.00	6117.37	6114.39	6127.81	6127.82			6118.53	6115.87	6114.50	6116.77	6117.58
MW-B-120	6167.75	6101.60	6106.20	6110.70	6117.43	6114.46	6127.86	6128.83			6120.35	6117.86	6117.67	6119.61	6119.83

a/ TOC = top of casing; ft amsl = feet above mean sea level; ft btoc = feet below top of casing

Table 4

Groundwater Sampling Field Parameters
Main Processing Area Groundwater Monitoring Program
Nu-West CPO Facility
Soda Springs, Idaho

Well ID	Date Sampled	pH (SU)	Sp. Conductance (mS/cm)	Turbidity (NTU)	Diss. Oxygen (mg/L)	T (ºC)	ORP (mV)
Groundwater Monitoring Wells							
A-27-090	12/18/12	5.91	4.430	7.1	0.47	5.98	195
	2/13/13	6.16	4.530	0.0	0.37	8.24	204
	3/11/13	5.86	4.180	128.0	0.36	8.50	171
A-27-135	12/18/12	6.03	4.730	36.8	0.43	6.22	173
	2/13/13	6.22	4.710	0.0	0.40	7.75	203
	3/11/13	5.93	4.300	87.8	0.51	8.16	100
A-34-022	12/20/12	2.41	2.630 (a)	71.1	0.94	18.95	222
	1/23/13	2.40	22.800	0.0	0.96	18.31	221
	1/31/13	2.28	22.700	0.0	1.97	18.74	226
	2/7/13	2.36	22.200	0.0	0.99	18.20	221
	2/14/13	2.41	21.300	0.0	1.49	18.13	221
	2/20/13	2.39	21.500	0.0	0.93	18.04	225
	2/27/13	2.42	17.960	0.0	0.98	17.96	223
	3/7/13	2.04	18.300	0.0	4.07	17.86	217
	3/14/13	2.21	17.300	0.0	1.95	17.85	215
	3/20/13	2.04	17.000	0.0	0.99	17.63	222
A-35-080	12/19/12	6.16	5.100	95	0.52	8.30	92
	2/13/13	6.44	5.180	0.0	0.31	10.08	155
	3/11/13	5.88	4.830	2.6	0.45	9.17	168
A-35-155	12/17/12	6.74	2.510	49.3	0.69	9.79	175
	2/13/13	6.93	2.680	0.0	0.88	10.55	116
	3/14/13	6.58	2.550	9.6	0.64	11.71	75
A-36-105	12/19/12	6.01	5.360	0.0	0.38	11.13	87
	2/14/13	5.94	5.500	13.3	0.54	12.53	80
	3/15/13	5.65	5.010	13.9	0.21	13.46	76
A-36-145	12/19/12	6.76	4.210	104	0.59	7.90	110
	2/14/13	6.86	4.660	24.4	0.76	10.43	138
	3/15/13	6.29	4.320	19.3	0.35	13.7	149
MW-A-110	10/16/12	5.29	4.620	0.1	0.75	10.37	239
	2/15/13	5.56	4.900	0.0	0.64	9.83	233
	3/12/13	5.55	4.440	6.1	0.25	9.58	204
MW-B-120	10/16/12	6.35	1.050	0.0	2.31	10.68	185
	2/15/13	6.62	1.110	0.0	1.66	10.32	184
	3/12/13	6.24	1.020	1.9	0.38	10.47	187

Table 4

Groundwater Sampling Field Parameters
Main Processing Area Groundwater Monitoring Program
Nu-West CPO Facility
Soda Springs, Idaho

Well ID	Date Sampled	pH (SU)	Sp. Conductance (mS/cm)	Turbidity (NTU)	Diss. Oxygen (mg/L)	T (ºC)	ORP (mV)
Nu-West Production Wells (b)							
NW-9	10/22/12	6.89	1.700	15.4	10.41	11.59	227
	2/15/13	6.83	1.840	0.0	8.13	11.12	104
	3/12/13	6.45	1.700	11.9	1.6	11.48	125

°C - degrees Celsius; mS/cm - millisiemens per centimeter; NTU - nephelometric turbidity units
mg/L - milligrams per liter; mV - millivolts; SU - standard units
a/ Recorded value for field measurement specific conductance (2.630 mS/cm) not in agreement with laboratory specific conductance measurement (22.200 mS/cm)
b/ Field parameters not measured using flow-through cell. DO and ORP may not be representative of aquifer conditions.

Table 5

Groundwater Sampling Analytical Results for Metals and Wet Chemistry Parameters
Main Processing Area Groundwater Monitoring Program
February 20 through March 20, 2013
Nu-West CPO Facility
Soda Springs, Idaho

Sample ID: Sampling Date:	**EPA Maximum Contaminant Level (c)**	**Idaho Groundwater Standard (d)**	**A-27-090** **3/11/2013**	**A-27-135** **3/11/2013**	**A-34-022** **2/20/2013**	**A-34-022** **2/27/2013**	**A-34-022** **3/7/2013**	**A-34-022** **3/14/2013**	**A-34-022** **3/20/2013**	**DUP03202013** **3/20/2013**	**A-35-080** **3/11/2013**
Total Metals (mg/L)											
Aluminum	no standard	0.2	**0.733**	**0.444**	--	**1,380**	**1,410**	**1,390**	**1,410**	**1,340**	0.0720 J
Antimony	0.006	0.006	< 0.0013	< 0.0013	--	< 0.0065	< 0.0065	< 0.0065	< 0.0065	< 0.0065	0.0014 J
Arsenic	0.01	0.05	**0.0199**	**0.0441**	--	**0.230**	**0.288**	**0.243**	**0.253**	**0.249**	**0.0118**
Cadmium	0.005	0.005	< 0.00050	< 0.00050	--	**3.29**	**3.40**	**2.97**	**3.27**	**3.13**	< 0.00050
Calcium	no standard	no standard	366	374	--	523	581	528	588	559	455
Chromium	0.1	0.1	< 0.0020	0.0024 J	--	**3.15**	**3.17**	**2.93**	**3.00**	**2.88**	< 0.0020
Iron	no standard	0.3	**1.19**	**0.411**	--	**1,580**	**1,520**	**1,540**	**1,460**	**1,380**	0.0948 J
Magnesium	no standard	no standard	194	192	--	1,020	1,030	1,020	1,020	964	287
Potassium	no standard	no standard	42.5	30.9	--	478	395	388	409	387	47.4
Selenium	0.05	0.05	0.0429	0.0400	--	**0.0616**	< 0.010	< 0.010	0.0228 J	0.0299 J	0.0027 J
Sodium	no standard	no standard	305	529	--	849	847	864	834	793	228
Dissolved Metals (mg/L)											
Aluminum	no standard	0.2	--	--	**1,820**	--	--	--	--	--	--
Antimony	0.006	0.006	--	--	< 0.065	--	--	--	--	--	--
Arsenic	0.01	0.05	--	--	**0.250**	--	--	--	--	--	--
Cadmium	0.005	0.005	--	--	**3.34**	--	--	--	--	--	--
Calcium	no standard	no standard	--	--	559	--	--	--	--	--	--
Chromium	0.1	0.1	--	--	**3.68**	--	--	--	--	--	--
Iron	no standard	0.3	--	--	**2,010**	--	--	--	--	--	--
Magnesium	no standard	no standard	--	--	1,430	--	--	--	--	--	--
Potassium	no standard	no standard	--	--	570	--	--	--	--	--	--
Selenium	0.05	0.05	--	--	**0.0946**	--	--	--	--	--	--
Sodium	no standard	no standard	--	--	986	--	--	--	--	--	--

Table 5

Groundwater Sampling Analytical Results for Metals and Wet Chemistry Parameters
Main Processing Area Groundwater Monitoring Program
February 20 through March 20, 2013
Nu-West CPO Facility
Soda Springs, Idaho

Sample ID: Sampling Date:	**EPA Maximum Contaminant Level (c)**	**Idaho Groundwater Standard (d)**	**A-27-090** **3/11/2013**	**A-27-135** **3/11/2013**	**A-34-022** **2/20/2013**	**A-34-022** **2/27/2013**	**A-34-022** **3/7/2013**	**A-34-022** **3/14/2013**	**A-34-022** **3/20/2013**	**DUP03202013** **3/20/2013**	**A-35-080** **3/11/2013**
Wet Chemistry (mg/L, unless otherwise noted)											
Alkalinity											
Alkalinity, Bicarbonate as $CaCO_3$	no standard	no standard	685	1,030	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	650
Bicarbonate (as HCO_3^-) (e)	no standard	no standard	836	1,257	--	--	--	--	--	--	793
Alkalinity, Carbonate (as $CaCO_3$)	no standard	no standard	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Alkalinity (as $CaCO_3$)	no standard	no standard	685	1,030	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	650
Anions											
Chloride	no standard	250	39.1	64.4	85.2 J	92 J	< 400	80.4 J	94.5 J	< 80	137
Fluoride	4	4	1.3 J	1.2 J	**2,360**	**2,230**	**2,070**	**2,220**	**2,220**	**2,040**	3.4 J
Nitrate as N	10	10	**69.7**	**18.5**	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0	**53.4**
Nitrate (as NO_3^-) (e)	no standard	no standard	308.8	82.0	--	--	--	--	--	--	236.6
Sulfate	no standard	250	**1,520**	**1,460**	**15,300**	**13,400**	**12,500**	**10,300**	**11,500**	**11,200**	**1,910**
General Chemistry											
pH (standard units)	no standard	6.5 - 8.5	**6.48**	6.51	**2.10**	**2.02**	**2.28**	**2.27**	**2.26**	**2.24**	6.50
Specific Conductivity (µmhos/cm)	no standard	no standard	3,850	4,030	17,200	16,000	15,500	14,000	12,700	13,000	4,410
Total Dissolved Solids	no standard	500	**3,370**	**3,620**	**72,000**	**18,300**	**18,800**	**25,500**	**26,100**	**25,000**	**3,650**
Phosphorus Species											
Total Phosphorus (as P)	no standard	no standard	112	60.2	7,920	1,960	1,790	1,520	2,220	2,110	27.1
Orthophosphate (as PO_4^{3-})	no standard	no standard	40.2	34.7	1,680	2,950	716	1,670	1,870	1,760	26.8
Charge Balance											
Total Cations (meq/l)	no standard	no standard	48.71	58.33	477.66	369.45	372.15	367.72	369.31	350.25	57.46
Total Anions (meq/l)	no standard	no standard	52.77	55.29	498.25	492.16	391.83	386.33	418.03	396.17	61.47
Charge Balance Error	no standard	no standard	-4.00%	2.67%	-2.11%	-14.24%	-2.58%	-2.47%	-6.19%	-6.15%	-3.37%

Table 5

Groundwater Sampling Analytical Results for Metals and Wet Chemistry Parameters
Main Processing Area Groundwater Monitoring Program
February 20 through March 20, 2013
Nu-West CPO Facility
Soda Springs, Idaho

Sample ID: Sampling Date:	**EPA Maximum Contaminant Level (c)**	**Idaho Groundwater Standard (d)**	**A-35-155** **3/14/2013**	**DUP03142013** **3/14/2013**	**A-36-105** **3/15/2013**	**A-36-145** **3/15/2013**	**MW-A-110** **3/12/2013**	**MW-B-120** **3/12/2013**	**NW-9** **3/12/2013**	**EB 03142013** **3/14/2013**
Total Metals (mg/L)										
Aluminum	no standard	0.2	0.0457 J	0.0416 J	**0.907**	0.0520 J	**2.18**	**0.455**	**2.24**	< 0.015
Antimony	0.006	0.006	0.0027 J	0.0026 J	**0.0092**	0.0055 J	< 0.0013	< 0.0013	< 0.0013	< 0.0013
Arsenic	0.01	0.05	< 0.0025	< 0.0025	< 0.0025	< 0.0025	0.0055 J	< 0.0025	< 0.0025	< 0.0025
Cadmium	0.005	0.005	< 0.00050	< 0.00050	**0.0455**	< 0.0020	**0.0197**	0.0023 J	0.0041 J	< 0.00050
Calcium	no standard	no standard	376	379	428	693	377	127	202	< 0.050
Chromium	0.1	0.1	< 0.0020	< 0.0020	0.0122	< 0.0080	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Iron	no standard	0.3	**0.762**	**0.679**	**3.72**	**1.49**	**0.480**	< 0.029	< 0.029	< 0.029
Magnesium	no standard	no standard	169	170	500	413	254	48.1	80.0	< 0.074
Potassium	no standard	no standard	9.29 J	9.52 J	42.1	10.5	23.7	4.05 J	6.31 J	< 0.20
Selenium	0.05	0.05	< 0.0020	< 0.0020	0.0075 J	< 0.0080	0.0040 J	0.0222	0.0107	< 0.0020
Sodium	no standard	no standard	79.4	81.5	214	121	165	29.1	55.7	< 0.50
Dissolved Metals (mg/L)										
Aluminum	no standard	0.2	--	--	--	--	--	--	--	--
Antimony	0.006	0.006	--	--	--	--	--	--	--	--
Arsenic	0.01	0.05	--	--	--	--	--	--	--	--
Cadmium	0.005	0.005	--	--	--	--	--	--	--	--
Calcium	no standard	no standard	--	--	--	--	--	--	--	--
Chromium	0.1	0.1	--	--	--	--	--	--	--	--
Iron	no standard	0.3	--	--	--	--	--	--	--	--
Magnesium	no standard	no standard	--	--	--	--	--	--	--	--
Potassium	no standard	no standard	--	--	--	--	--	--	--	--
Selenium	0.05	0.05	--	--	--	--	--	--	--	--
Sodium	no standard	no standard	--	--	--	--	--	--	--	--

Table 5

Groundwater Sampling Analytical Results for Metals and Wet Chemistry Parameters
Main Processing Area Groundwater Monitoring Program
February 20 through March 20, 2013
Nu-West CPO Facility
Soda Springs, Idaho

Sample ID: Sampling Date:	**EPA Maximum Contaminant Level (c)**	**Idaho Groundwater Standard (d)**	**A-35-155** **3/14/2013**	**DUP03142013** **3/14/2013**	**A-36-105** **3/15/2013**	**A-36-145** **3/15/2013**	**MW-A-110** **3/12/2013**	**MW-B-120** **3/12/2013**	**NW-9** **3/12/2013**	**EB 03142013** **3/14/2013**
Wet Chemistry (mg/L, unless otherwise noted)										
Alkalinity										
Alkalinity, Bicarbonate as $CaCO_3$	no standard	no standard	361	353	167	565	86.7	233	254	< 5.0
Bicarbonate (as HCO_3^-) (g)	no standard	no standard	440	431	204	689	106	284	310	--
Alkalinity, Carbonate (as $CaCO_3$)	no standard	no standard	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Alkalinity (as $CaCO_3$)	no standard	no standard	362	354	167	565	86.7	233	254	< 0.60
Anions										
Chloride (Cl^-)	no standard	250	31.0	30.4	< 20	77.4	**343**	26.1	73.6	< 0.80
Fluoride (F^-)	4	4	< 0.60	< 0.60	< 1.5	< 0.60	**7.6**	**16.0**	**12.5**	1.3 J
Nitrate as N	10	10	1.8	1.8	< 1.3	< 0.50	**211**	3.3	**22.2**	< 0.050
Nitrate (as NO_3^-) (g)	no standard	no standard	8.0	8.0	--	--	934.7	14.6	98.3	--
Sulfate (SO_4^{2-})	no standard	250	**1,380**	**1,270**	**3,710**	**2,610**	**1,060**	**271**	**566**	< 0.60
General Chemistry										
pH (standard units)	no standard	6.5 - 8.5	7.16	7.20	**6.09**	6.87	**6.03**	6.88	6.78	**5.26**
Specific Conductivity	no standard	no standard	2,280	2,270	4,290	3,770	4,070	1,640	1,020	< 1.0
Total Dissolved Solids	no standard	500	**2,300**	**2,230**	**5,240**	**4,180**	**3,490**	**1,400**	**1,390**	28 J
Phosphorus Species										
Total Phosphorus (as P)	no standard	no standard	2.8	2.9	0.55	0.058 J	13.9	2.2	2.3	0.033 J
Orthophosphate (as PO_4^{3-})	no standard	no standard	0.73 J	0.78 J	0.45	0.15	13.2	1.6	1.6	< 0.020
Charge Balance										
Total Cations (meq/l)	no standard	no standard	36.39	36.72	73.12	74.16	47.76	11.72	19.50	--
Total Anions (meq/l)	no standard	no standard	36.98	34.51	80.60	67.83	49.37	12.17	21.23	--
Charge Balance Error	no standard	no standard	-0.79%	3.10%	-4.86%	4.46%	-1.66%	-1.89%	-4.27%	--

a/ mg/L = milligrams per liter; µmhos/cm = micromhos per centimeter; J = analyte was detected at a concentration greater than the method detection limit but less than the reporting limit;
NS = no standard specified. Bold font Indicates a concentration that exceeds one or more evaluation criteria.
b/ Evaluation criteria were taken from the EPA-approved Quality Assurance Project Plan dated June 29, 2010.
c/ National Primary Drinking Water Regulations, Title 40, Part 141, Appendix A, Regulated Contaminants EPA (March 2010).
d/ Idaho Groundwater Quality Rule, Idaho Administrative Code IDAPA 58.01.11, Numerical Ground Water Quality Standards, Primary and Secondary Standards.
e/ Nitrate as N03- was calculated using a conversion factor of 4.43 mg of nitrate per mg of nitrate as N;
Bicarbonate as HCO3- was calculated using a converstion factor of 1.22 mg of bicarbonate per mg of bicarbonate as CaCO3.
f/ Milliequivalent per liter (meq/l) conversion factors and charge balance error calculations from Hem (1985).

Table 6

Historical Groundwater Sampling Analytical Results for Metals and General Chemistry Parameters
Nu-West CPO Facility
Soda Springs, Idaho

			Metals (mg/l)																					
Well ID	**Sample Date**	**Total or Dissolved**	**Aluminum**		**Antimony**		**Arsenic**		**Barium**		**Beryllium**		**Cadmium**		**Calcium**		**Chromium**		**Cobalt**		**Copper**		**Iron**	
	EPA MCL		NS		0.006		0.01		2		0.004		0.005		NS		0.1		NS		1.3		NS	
	Idaho Groundwater Standard		0.2		0.006		0.05		2		0.004		0.005		NS		0.1		NS		1.3		0.3	
Groundwater Monitoring Wells																								
A-27-090	12/18/2012	Dissolved	-		0.0042	J	**0.0189**		0.0769	J	< 0.00050		< 0.00050		405		< 0.0020		-		-		-	
	2/13/2013	Dissolved	<0.015		<0.0013		**0.0203**		-		-		<0.0005		360		<0.002		-		-		<0.029	
	3/11/2013	Total	**0.733**		< 0.0013		**0.0199**		-		-		< 0.00050		366		< 0.0020		-		-		**1.19**	
A-27-135	12/18/2012	Dissolved	-		0.0052	J	**0.0464**		0.0777	J	< 0.00050		0.0011	J	407		< 0.0020		-		-		-	
	2/13/2013	Dissolved	0.022	J	<0.0013		**0.0454**		-		-		<0.0005		360		<0.002		-		-		0.0574	J
	3/11/2013	Total	**0.444**		< 0.0013		**0.0441**		-		-		< 0.00050		374		0.0024	J	-		-		**0.411**	
A-34-022	11/14/2012	Dissolved	-		-		**0.368**		0.239		-		**5.535**		-		**9.24**		-		-		-	
	12/6/2012	Dissolved			**0.035**		**0.422**		0.128		**0.085**		**5.997**		623		**4.87**							
	12/20/2012	Dissolved	-		**0.0451**	J	**0.275**		0.0562	J	**0.0721**		**4.14**		486		**4.55**		-		-		-	
	1/23/2013	Dissolved	**1,260**		**0.0065**	U	**0.343**		-		-		**4.10**		558		**3.22**		-		-		**1,380**	
	1/31/2013	Dissolved	**1,860**		<0.013		**0.24**		-		-		**3.54**		455		**3.77**		-		-		**2,420**	
	2/7/2013	Dissolved	**1,660**		<0.0065		**0.24**		-		-		**3.58**		487		**3.56**		-		-		**1,850**	
	2/14/2013	Dissolved	**1,860**		<0.013		**0.266**		-		-		**3.97**		561		**3.80**		-		-		**2,240**	
	2/20/2013	Dissolved	**1,820**		< 0.065		**0.25**		-		-		**3.34**		559		**3.68**		-		-		**2,010**	
	2/27/2013	Total	**1,380**		< 0.0065		**0.23**		-		-		**3.29**		523		**3.15**		-		-		**1,580**	
	3/7/2013	Total	**1,410**		< 0.0065		**0.288**		-		-		**3.40**		581		**3.17**		-		-		**1,520**	
	3/14/2013	Total	**1,390**		< 0.0065		**0.243**		-		-		**2.97**		528		**2.93**		-		-		**1,540**	
	3/20/2013	Total	**1,410**		< 0.065		**0.253**		-		-		**3.27**		588		**3.00**		-		-		**1,460**	
A-35-080	12/19/2012	Dissolved	-		0.0049	J	**0.0101**		0.096	J	< 0.00050		0.0007	J	512		< 0.0020		-		-		-	
	2/13/2013	Dissolved	<0.015		0.0016	J	**0.013**		-		-		<0.0005		457		<0.002		-		-		<0.029	
	3/11/2013	Total	0.072	J	0.0014	J	**0.0118**		-		-		< 0.00050		455		< 0.0020		-		-		0.0948	J
A-35-155	12/17/2012	Dissolved	-		0.0027	J	< 0.0025		0.0472	J	< 0.0005		< 0.0005		385		< 0.002		-		-		-	
	2/13/2013	Dissolved	<0.015		<0.0013		<0.0025		-		-		<0.0005		370		<0.002		-		-		<0.029	
	3/14/2013	Total	0.0457	J	0.0027	J	< 0.0025		-		-		< 0.00050		376		< 0.0020		-		-		**0.762**	
A-36-105	12/19/2012	Dissolved	-		**0.0106**		< 0.0025		0.0276	J	< 0.00050		**0.0208**		488		0.0162		-		-		-	
	2/14/2013	Dissolved	**0.8**		<0.0013		<0.0025		-		-		**0.0131**		425		0.0062	J	-		-		**2.96**	
	3/15/2013	Total	**0.907**		**0.0092**		< 0.0025		-		-		**0.0455**		428		0.0122		-		-		**3.72**	
A-36-145	12/19/2012	Dissolved	-		0.0041	J	< 0.0025		0.0354	J	< 0.00050		< 0.0010		634		< 0.0040		-		-		-	
	2/14/2013	Dissolved	<0.015		0.0057	J	<0.0025		-		-		<0.001		662		<0.004		-		-		<0.029	
	3/15/2013	Total	0.052	J	0.0055	J	< 0.0025		-		-		< 0.0020		693		< 0.0080		-		-		**1.49**	
MW-A-110	10/7/2010	Dissolved	**4.82**		0.0023	J	0.0039	J	< 0.0050		< 0.0010		**0.0256**		303		< 0.0010		0.0714		0.0189	J	< 0.035	
	5/16/2011	Dissolved	**6.84**		0.00012	J	< 0.0020		< 0.0050		< 0.0010		**0.0295**		291		0.0017	J	0.0782		0.016	J	< 0.035	
	10/18/2011	Dissolved	**3.84**		0.0032	J	0.0039	J	0.0085	J	< 0.0010		**0.0214**		315		0.0028	J	0.0636		0.0433		< 0.035	
	5/31/2012	Dissolved	**4.85**		< 0.0020		0.0043	J	0.0065	J	< 0.0010		**0.0241**		332		0.0018	J	0.0799		0.0205	J	< 0.035	
	10/16/2012	Dissolved	**2.83**		< 0.0013		0.0055	J	0.0065	J	< 0.00050		**0.0215**		342		0.0031	J	0.0703		0.0199	J	< 0.029	
	2/15/2013	Dissolved	**5.41**		0.0023	J	0.0066	J	-		-		**0.0264**		351		<0.002		-		-		<0.029	
	3/11/2013	Total	**2.18**		< 0.0013		0.0055	J	-		-		**0.0197**		377		< 0.0020		-		-		**0.48**	

Table 6

Historical Groundwater Sampling Analytical Results for Metals and General Chemistry Parameters
Nu-West CPO Facility
Soda Springs, Idaho

			Metals (mg/l)																		
Well ID	**Sample Date**	**Total or Dissolved**	**Aluminum**	**Antimony**		**Arsenic**		**Barium**		**Beryllium**		**Cadmium**		**Calcium**	**Chromium**		**Cobalt**		**Copper**		**Iron**	
	EPA MCL		NS	0.006		0.01		2		0.004		0.005		NS	0.1		NS		1.3		NS	
	Idaho Groundwater Standard		0.2	0.006		0.05		2		0.004		0.005		NS	0.1		NS		1.3		0.3	
MW-B-120	10/7/2010	Dissolved	**65.8**	0.0023	J	**0.0491**		< 0.0050		0.002	J	**0.173**		153	0.006	J	0.19		0.0753		**1**	
	5/16/2011	Dissolved	**69.2**	0.00054		**0.0418**		< 0.0050		0.0023	J	**0.173**		142	0.0142		0.0965		0.0685		0.149	J
	10/18/2011	Dissolved	**2.55**	0.0022	J	< 0.0020		< 0.0050		< 0.0010		**0.0156**		109	0.0026	J	0.0067	J	0.0046	J	**0.433**	
	5/31/2012	Dissolved	**0.673**	< 0.0020		< 0.0020		< 0.0050		< 0.0010		0.0043	J	131	< 0.0010		0.0015	J	< 0.0020		< 0.035	
	10/16/2012	Dissolved	**0.598**	< 0.0013		< 0.0025		< 0.0010		< 0.00050		0.0042	J	130	< 0.0020		0.0012	J	< 0.0010		< 0.029	
	2/15/2013	Dissolved	**0.524**	<0.0013		<0.0025		-		-		0.0026	J	142	<0.002		-		-		<0.029	
	3/12/2013	Total	**0.455**	< 0.0013		< 0.0025		-		-		0.0023	J	127	< 0.0020		-		-		< 0.029	
<u>Nu-West Production Wells</u>																						
NW-09	10/7/2010	Dissolved	**2.05**	< 0.0020		0.003	J	< 0.0050		< 0.0010		**0.0126**		207	< 0.0010		0.015	J	0.0059	J	0.042	J
	5/16/2011	Dissolved	**0.749**	0.00016	J	< 0.0020		0.0088	J	< 0.0010		**0.0057**		144	0.003	J	0.0059	J	0.0022	J	< 0.035	
	10/17/2011	Dissolved	**2.76**	< 0.0020		0.0028	J	0.0162	J	< 0.0010		**0.0101**		163	0.0023	J	0.0103	J	0.0057	J	< 0.035	
	6/5/2012	Dissolved	**1.76**	< 0.0020		0.0024	J	< 0.0050		< 0.0010		**0.0097**		208	0.0011	J	0.0121	J	0.0041	J	< 0.035	
	10/22/2012	Dissolved	**2.16**	0.0025	J	< 0.0025		0.0016	J	< 0.00050		**0.0075**		221	< 0.0020		0.0104	J	0.0038	J	< 0.029	
	2/15/2013	Dissolved	**2.19**	<0.0013		<0.0025		-		-		0.0047	J	226	<0.002		-		-		<0.029	
	3/12/2013	Total	**2.24**	< 0.0013		< 0.0025		-		-		0.0041	J	202	< 0.0020		-		-		< 0.029	

Table 6

Historical Groundwater Sampling Analytical Results for Metals and General Chemistry Parameters
Nu-West CPO Facility
Soda Springs, Idaho

			Metals (mg/l)																
Well ID	**Sample Date**	**Total or Dissolved**	**Lead**		**Magnesium**	**Manganese**	**Mercury**	**Nickel**		**Potassium**		**Selenium**		**Silver**		**Sodium**	**Thallium**		**Vanadium**		**Zinc**
	EPA MCL		0.015		NS	NS	0.002	NS		NS		0.05		NS		NS	0.002		NS		NS
	Idaho Groundwater Standard		0.015		NS	0.05	0.002	NS		NS		0.05		0.1		NS	0.002		NS		5
Groundwater Monitoring Wells																					
A-27-090	12/18/2012	Dissolved	< 0.0011		221	-	-	0.055		46.3		0.0446		-		290	0.0012		0.0093	J	-
	2/13/2013	Dissolved	-		190	-	-	-		45.2		0.044		-		291	-		-		-
	3/11/2013	Total	-		194	-	-	-		42.5		0.0429		-		305	-		-		-
A-27-135	12/18/2012	Dissolved	0.0013	J	216	-	-	0.0543		34.3		0.0377		-		439	0.00074		0.0179	J	-
	2/13/2013	Dissolved	-		181	-	-	-		33.6		0.0434		-		386	-		-		-
	3/11/2013	Total	-		192	-	-	-		30.9		0.04		-		529	-		-		-
A-34-022	11/14/2012	Dissolved	< 0.050		-	-	< 0.050	-		-		< 0.050		< 0.050		-	-		-		-
	12/6/2012	Dissolved	< 0.010		1,662			8.411		684.6		0.023				1,183	**0.02**		19.9		
	12/20/2012	Dissolved	< 0.44		1,480	-	-	7.12		577		< 0.020		-		934	**0.0261**		14.1		-
	1/23/2013	Dissolved	-		947	-	-	-		405		0.01	U	-		765	-		-		-
	1/31/2013	Dissolved	-		1,450	-	-	-		506		<0.02		-		855	-		-		-
	2/7/2013	Dissolved	-		1,230	-	-	-		625		<0.01		-		1,120	-		-		-
	2/14/2013	Dissolved	-		1,430	-	-	-		533		<0.02		-		941	-		-		-
	2/20/2013	Dissolved	-		1,430	-	-	-		570		**0.0946**		-		986	-		-		-
	2/27/2013	Total	-		1,020	-	-	-		478		**0.0616**		-		849	-		-		-
	3/7/2013	Total	-		1,030	-	-	-		395		< 0.010		-		847	-		-		-
	3/14/2013	Total	-		1,020	-	-	-		388		< 0.010		-		864	-		-		-
	3/20/2013	Total	-		1,020	-	-	-		409		0.0228	J	-		834	-		-		-
A-35-080	12/19/2012	Dissolved	< 0.0011		335	-	-	0.0385	J	53.4		< 0.0020		-		239	< 0.0019		0.0102	J	-
	2/13/2013	Dissolved	-		290	-	-	-		49.4		0.0036	J	-		212	-		-		-
	3/11/2013	Total	-		287	-	-	-		47.4		0.0027	J	-		228	-		-		-
A-35-155	12/17/2012	Dissolved	< 0.0011		167	-	-	0.0037	J	8.96	J	0.0021	J	-		74.5	< 0.0019		0.003	J	-
	2/13/2013	Dissolved	-		161	-	-	-		9.21	J	0.0033	J	-		77.3	-		-		-
	3/14/2013	Total	-		169	-	-	-		9.29	J	< 0.0020		-		79.4	-		-		-
A-36-105	12/19/2012	Dissolved	0.0071		538	-	-	0.172		53.6		0.0074	J	-		226	< 0.0019		< 0.10		-
	2/14/2013	Dissolved	-		458	-	-	-		40.9		0.0435		-		207	-		-		-
	3/15/2013	Total	-		500	-	-	-		42.1		0.0075	J	-		214	-		-		-
A-36-145	12/19/2012	Dissolved	0.0057	J	415	-	-	0.0055	J	12.1		0.0045	J	-		106	< 0.0019		< 0.0010		-
	2/14/2013	Dissolved	-		370	-	-	-		10.6		<0.004		-		113	-		-		-
	3/15/2013	Total	-		413	-	-	-		10.5		< 0.0080		-		121	-		-		-
MW-A-110	10/7/2010	Dissolved	< 0.0010		224	**13.8**	< 0.000071	0.275		20.8		0.0061	J	0.0017	J	117	0.00099	J	0.0066	J	0.105
	5/16/2011	Dissolved	0.00019	J	199	**11.9**	0.000083	J	0.256	19		0.0041	J	< 0.0010		127	0.00072	J	< 0.0010		0.121
	10/18/2011	Dissolved	< 0.0010		200	**11.5**	< 0.000050	0.219		17.8		0.0032	J	< 0.0010		132	0.00068	J	0.0059	J	0.108
	5/31/2012	Dissolved	0.0019	J	233	**11.1**	< 0.000050	0.276		21.3		0.0077	J	0.0014	J	140	0.00078	J	0.0072	J	0.126
	10/16/2012	Dissolved	0.0047	J	237	**12.6**	< 0.000030	0.277		23.9		0.0035	J	0.0008	J	148	0.001		0.0135	J	0.0814
	2/15/2013	Dissolved	-		252	-	-	-		24.9		0.0062	J	-		166	-		-		-
	3/11/2013	Total	-		254	-	-	-		23.7		0.004	J	-		165	-		-		-

Table 6

Historical Groundwater Sampling Analytical Results for Metals and General Chemistry Parameters
Nu-West CPO Facility
Soda Springs, Idaho

			Metals (mg/l)																			
Well ID	**Sample Date**	**Total or Dissolved**	**Lead**		**Magnesium**	**Manganese**	**Mercury**	**Nickel**		**Potassium**		**Selenium**		**Silver**		**Sodium**	**Thallium**		**Vanadium**		**Zinc**	
	EPA MCL		0.015		NS	NS	0.002	NS		NS		0.05		NS		NS	0.002		NS		NS	
	Idaho Groundwater Standard		0.015		NS	0.05	0.002	NS		NS		0.05		0.1		NS	0.002		NS		5	
MW-B-120	10/7/2010	Dissolved	0.0042	J	238	**12.1**	< 0.000071	1.38		13.6		0.0042	J	0.0016	J	163	0.00077	J	0.0542		2.19	
	5/16/2011	Dissolved	0.00014	J	129	**5.32**	< 0.000050	0.81		14		0.0068	J	< 0.0010		94	0.00063	J	0.0905		2.14	
	10/18/2011	Dissolved	< 0.0010		54.5	**1.01**	< 0.000050	0.0652		5.28	J	0.0131		< 0.0010		35.9	0.00028	J	0.0632		0.11	
	5/31/2012	Dissolved	< 0.0010		52.1	**0.51**	< 0.000050	0.0156	J	4.4	J	0.0211		< 0.0010		31.7	< 0.00016		0.0224	J	0.017	J
	10/16/2012	Dissolved	< 0.0011		49.2	**0.409**	< 0.000030	0.0131	J	4.15	J	0.021		< 0.00050		30.8	0.00036	J	0.0201	J	0.0092	J
	2/15/2013	Dissolved	-		51.8	-	-	-		4.54	J	0.0239		-		33.3	-		-		-	
	3/12/2013	Total	-		48.1	-	-	-		4.05	J	0.0222		-		29.1	-		-		-	
<u>Nu-West Production Wells</u>																						
NW-09	10/7/2010	Dissolved	< 0.0010		94.8	**1.51**	< 0.000071	0.0922		7.65	J	0.0106		< 0.0010		62.1	0.00033	J	0.017	J	0.111	
	5/16/2011	Dissolved	0.000099	J	59.6	**0.493**	< 0.000050	0.0604		4.18	J	0.0088	J	< 0.0010		71.2	< 0.00016		0.01	J	0.0539	
	10/17/2011	Dissolved	0.0011	J	68.1	**0.773**	< 0.000050	0.0848		5.34	J	0.0324		< 0.0010		66.6	0.00017	J	0.0134	J	0.117	
	6/5/2012	Dissolved	< 0.0010		85.5	**1.09**	< 0.000050	0.0804		7.08	J	0.0076	J	< 0.0010		60.5	0.00017	J	0.0167	J	0.0876	
	10/22/2012	Dissolved	< 0.0011		89.1	**0.996**	< 0.000030	0.0689		7.21	J	0.0102		< 0.00050		63.7	< 0.00019		0.0162	J	0.0717	
	2/15/2013	Dissolved	-		87.9	-	-	-		7.32	J	0.0117		-		63.4	-		-		-	
	3/12/2013	Total	-		80.0	-	-	-		6.31	J	0.0107		-		55.7	-		-		-	

Table 6

Historical Groundwater Sampling Analytical Results for Metals and General Chemistry Parameters
Nu-West CPO Facility
Soda Springs, Idaho

		Alkalinity (mg/l)					Anions (mg/l)									
Well ID	**Sample Date**	**Total Alkalinity (as CaCO3)**	**Alkalinity, Bicarbonate (as CaCO3)**	**Alkalinity, Bicarbonate (as HCO3)**	**Alkalinity, Carbonate (as CaCO3)**	**Hardness (as CaCO3)**	**Chloride**		**Fluoride**		**Nitrate + Nitrite (as N)**	**Nitrate (as N)**	**Nitrite (as N)**		**Sulfate**	**Sulfide**
	EPA MCL	NS	NS	NS	NS	NS	NS		4		NS	10	1		NS	NS
	Idaho Groundwater Standard	NS	NS	NS	NS	NS	250		4		NS	10	1		250	NS
Groundwater Monitoring Wells																
A-27-090	12/18/2012	653	652	795	< 5.0	1,920	46.8	J	1.2		75.5	**75.5**	< 1.3		**1,560**	< 0.22
	2/13/2013	658	657	802	< 5.0	-	30.1	J	< 1.5		-	**66.8**	-		**1,580**	-
	3/11/2013	685	685	836	< 5.0	-	39.1		1.3	J	-	**69.7**	-		**1,520**	-
A-27-135	12/18/2012	1,080	1,080	1,318	< 5.0	1,910	74.7		0.81	J	20.4	**20.4**	< 1.3		**1,590**	< 0.22
	2/13/2013	963	962	1,174	< 5.0	-	52	J	**19.6**		-	**19.3**	-		**1,510**	-
	3/11/2013	1,030	1,030	1,257	< 5.0	-	64.4		1.2	J	-	**18.5**	-		**1,460**	-
A-34-022	11/14/2012	-	-	-	-	-	-		-		-	-	-		-	-
	12/6/2012	< 5	< 5	< 5	< 5	8,387	< 10		**3,589**		-	< 10	< 1		**20,405**	-
	12/20/2012	< 0.60	< 5.0	< 5.0	< 5.0	7,310	**258**	J	**3,290**		< 20	< 10	< 10		**21,200**	< 0.28
	1/23/2013	< 0.60	< 5.0	< 5.0	< 5.0	-	< 160		**2,410**		-	< 10	-		**18,000**	-
	1/31/2013	< 0.60	< 5.0	< 5.0	< 5.0	-	< 160		**2,180**		-	< 10	-		**20,900**	-
	2/7/2013	< 0.60	< 5.0	< 5.0	< 5.0	-	< 160		**2,310**		-	< 10	-		**18,500**	-
	2/14/2013	< 0.6	< 5	< 5.0	< 5.0	-	< 80		**2,230**		-	< 5	-		**14,800**	-
	2/20/2013	< 0.60	< 5.0	< 5.0	< 5.0	-	85.2	J	**2,360**		-	< 5.0	-		**15,300**	-
	2/27/2013	< 0.60	< 5.0	< 5.0	< 5.0	-	92	J	**2,230**		-	< 5.0	-		**13,400**	-
	3/7/2013	< 0.60	< 5.0	< 5.0	< 5.0	-	< 400		**2,070**		-	< 25	-		**12,500**	-
	3/14/2013	< 0.60	< 5.0	< 5.0	< 5.0	-	80.4	J	**2,220**		-	< 5.0	-		**10,300**	-
	3/20/2013	< 0.60	< 5.0	< 5.0	< 5.0	-	94.5	J	**2,220**		-	< 5.0	-		**11,500**	-
A-35-080	12/19/2012	700	698	852	< 5.0	2,660	161		1.7	J	57.3	**56.4**	0.85	J	**1,980**	< 0.20
	2/13/2013	628	627	765	< 5.0	-	144		2.7	J	-	**58.1**	-		**2,080**	-
	3/11/2013	650	650	793	< 5.0	-	137		3.4	J	-	**53.4**	-		**1,910**	-
A-35-155	12/17/2012	375	375	458	< 5	1,650	35.4		< 0.6		1.4	J 1.4	< 0.5		**1,240**	< 0.19
	2/13/2013	376	376	459	< 5.0	-	31.3		< 0.60		-	1.8	-		**1,230**	-
	3/14/2013	362	361	440	< 5.0	-	31		< 0.60		-	1.8	-		**1,380**	-
A-36-105	12/19/2012	202	202	246	< 5.0	3,430	84.2		2.1		< 1.8	< 1.3	< 0.50		**3,650**	< 0.19
	2/14/2013	156	156	190	< 5.0	-	70.9		3.3	J	-	2.1	J -		**3,700**	-
	3/15/2013	167	167	204	< 5.0	-	< 20		< 1.5		-	< 1.3	-		**3,710**	-
A-36-145	12/19/2012	520	519	633	< 5.0	3,290	75.4		< 0.60		< 1.0	0.92	J < 0.50		**2,670**	< 0.19
	2/14/2013	550	550	671	< 5.0	-	64.5		< 1.5		-	< 1.3	-		**2,640**	-
	3/15/2013	565	565	689	< 5.0	-	77.4		< 0.60		-	< 0.50	-		**2,610**	-
MW-A-110	10/7/2010	49.6	50	61	< 5.0	1,680	**450**		**15.8**		203	**202**	**1.2**		**1,010**	< 0.60
	5/16/2011	40.5	40.5	49	< 5.0	-	**304**		**13.8**		204	**204**	-		**533**	-
	10/18/2011	37.8	37.8	46	< 5.0	1,610	**1,030**		**10.9**		196	**192**	**3.6**		**1,850**	< 0.30
	5/31/2012	9.3	9.3	11	< 5.0	1,790	**359**		**17**		196	**194**	**1.5**	J	**884**	0.93 J
	10/16/2012	86	86	105	< 5.0	1,830	**349**		**10**		198	**198**	< 0.50		**1,090**	< 0.19
	2/15/2013	63.2	63.2	77	< 5.0	-	**300**		**13.6**		-	**238**	-		**1,200**	-
	3/11/2013	86.7	86.7	106	< 5.0	-	**343**		**7.6**		-	**211**	-		**1,060**	-

Table 6

Historical Groundwater Sampling Analytical Results for Metals and General Chemistry Parameters
Nu-West CPO Facility
Soda Springs, Idaho

		Alkalinity (mg/l)						Anions (mg/l)					
Well ID	**Sample Date**	**Total Alkalinity (as CaCO3)**	**Alkalinity, Bicarbonate (as CaCO3)**	**Alkalinity, Bicarbonate (as HCO3)**	**Alkalinity, Carbonate (as CaCO3)**	**Hardness (as CaCO3)**	**Chloride**	**Fluoride**	**Nitrate + Nitrite (as N)**	**Nitrate (as N)**	**Nitrite (as N)**	**Sulfate**	**Sulfide**
	EPA MCL	NS	NS	NS	NS	NS	NS	4	NS	10	1	NS	NS
	Idaho Groundwater Standard	NS	NS	NS	NS	NS	250	4	NS	10	1	250	NS
MW-B-120	10/7/2010	3.5 J	< 5.0	< 5.0	< 5.0	1,360	125	**146**	10.5	**10.5**	< 0.25	**1,350**	< 0.60
	5/16/2011	< 2.5	< 5.0	< 5.0	< 5.0	-	80.3	**135**	13.9	**13.7**	-	**799**	-
	10/18/2011	167	167	204	< 5.0	497	35.8	**22.9**	3.7	3.7	< 0.25	**298**	< 0.30
	5/31/2012	220	220	268	< 5.0	542	30.8	**17.9**	3.5	3.5	< 0.25	**294**	< 0.30
	10/16/2012	225	225	275	< 5.0	527	26.7	**19.2**	3.6	3.6	< 0.10	**276**	< 0.19
	2/15/2013	229	229	279	< 5.0	-	26.4	**16.3**	-	3.2	-	**270**	-
	3/12/2013	233	233	284	< 5.0	515	26.1	**16.0**	-	3.3	-	**271**	-
Nu-West Production Wells													
NW-09	10/7/2010	256	256	312	< 5.0	907	77.3	**23.1**	25.1	**25.1**	< 0.25	**711**	< 0.60
	5/16/2011	210	210	256	< 5.0	-	44.9	**8.2**	8	7.9	-	**454**	-
	10/17/2011	258	258	315	< 5.0	687	59.2	**8.5**	11.2	**11.2**	< 0.25	**469**	< 0.30
	6/5/2012	213	213	260	< 5.0	871	81.3	**14.4**	21.7	**21.7**	< 0.25	**677**	1.2
	10/22/2012	255	255	311	< 5.0	919	75.5	**15.4**	21	**21**	< 0.25	**611**	< 0.20
	2/15/2013	257	257	314	< 5.0	-	73	**12.1**	-	**22.2**	-	**565**	-
	3/12/2013	254	254	310	< 5.0	834	73.6	**12.5**	-	**22.2**	-	**566**	-

Table 6

Historical Groundwater Sampling Analytical Results for Metals and General Chemistry Parameters
Nu-West CPO Facility
Soda Springs, Idaho

		General Chemistry				Nitrogen Species (mg/l)			Phosphorus Species (mg/l)		Charge Balance		
Well ID	**Sample Date**	**pH (S.U.)**	**Specific Conductance (µmhos/cm)**	**Total Dissolved Solids**	**Total Suspended Solids**	**Ammonia (as N)**	**Total Nitrogen**	**Total Kjeldahl Nitrogen**	**Ortho-phosphate (as PO4)**	**Total Phosphorus**	**Total Cations (meq/l)**	**Total Anions (meq/l)**	**Charge Balance Error**
	EPA MCL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Idaho Groundwater Standard	6.5 - 8.5	NS	500	NS	NS	NS	NS	NS	NS	NS	NS	NS
Groundwater Monitoring Wells													
A-27-090	12/18/2012	**6.25**	4,010	**3,170**	17	96	157	81.6	46.1	82.5	52.20	53.75	-1.47%
	2/13/2013	**6.45**	4,060	**2,920**	-	-	-	-	48.1	191	47.41	53.17	-5.73%
	3/11/2013	**6.48**	3,850	**3,370**	-	-	-	-	40.2	112	48.71	52.77	-4.00%
A-27-135	12/18/2012	**6.36**	4,320	**2,740**	17	33.5	54.8	34.4	48.9	52.9	58.06	59.85	-1.52%
	2/13/2013	6.65	4,220	**3,070**	-	-	-	-	43.5	121	50.51	55.93	-5.09%
	3/11/2013	6.51	4,030	**3,620**	-	-	-	-	34.7	60.2	58.33	55.29	2.67%
A-34-022	11/14/2012	**2.00**	-	-	-	-	-	-	-	-	-	-	-
	12/6/2012	**2.40**	18,630	**40,098**	4	76.03	82.6	80.3	8,273	2,654	237.23	875.10	-57.34%
	12/20/2012	**2.25**	22,200	**20,800**	170	55.3	126	126	2,010	3,260	201.78	685.34	-54.51%
	1/23/2013	**2.22**	19,600	**27,100**	-	-	-	-	2,210	2,260	339.19	571.44	-25.50%
	1/31/2013	**2.19**	20,900	**38,800**	-	-	-	-	1,830	1,430	485.92	607.70	-11.14%
	2/7/2013	**2.31**	19,000	**32,200**	-	-	-	-	1,630	2,460	441.32	558.26	-11.70%
	2/14/2013	**2.28**	18,400	**25,300**	-	-	-	-	1,140	2,850	487.55	461.54	2.74%
	2/20/2013	**2.10**	17,200	**72,000**	-	-	-	-	1,680	7,920	477.66	498.25	-2.11%
	2/27/2013	**2.02**	16,000	**18,300**	-	-	-	-	2,950	1,960	369.45	492.16	-14.24%
	3/7/2013	**2.28**	15,500	**18,800**	-	-	-	-	716	1,790	372.15	391.83	-2.58%
	3/14/2013	**2.27**	14,000	**25,500**	-	-	-	-	1,670	1,520	367.72	386.33	-2.47%
	3/20/2013	**2.26**	12,700	**26,100**	-	-	-	-	1,870	2,220	369.31	418.03	-6.19%
A-35-080	12/19/2012	7.04	4,660	**3,510**	77	110	336	279	32.6	28.3	64.88	64.89	-0.01%
	2/13/2013	6.50	4,530	**3,440**	-	-	-	-	257	31.7	57.15	72.32	-11.71%
	3/11/2013	6.50	4,410	**3,650**	-	-	-	-	26.8	27.1	57.46	61.47	-3.37%
A-35-155	12/17/2012	7.32	2,270	**2,130**	15	0.099 J	1.9 J	0.52 J	0.41	0.42	36.42	34.43	2.82%
	2/13/2013	7.04	2,320	**2,240**	-	-	-	-	3.6	2.1	35.31	34.25	1.52%
	3/14/2013	7.16	2,280	**2,300**	-	-	-	-	0.73 J	2.8	36.39	36.98	-0.79%
A-36-105	12/19/2012	**6.16**	4,730	**4,840**	18	15.4	44.7	44.7	0.28	0.17 J	79.83	82.53	-1.66%
	2/14/2013	**6.01**	4,780	**4,970**	-	-	-	-	0.19 J	0.85	69.14	82.48	-8.80%
	3/15/2013	**6.09**	4,290	**5,240**	-	-	-	-	0.45	0.55	73.12	80.60	-4.86%
A-36-145	12/19/2012	7.10	3,710	**4,170**	27	1.2	2.9	2.9	0.05 J	0.22	70.71	68.16	1.83%
	2/14/2013	6.83	3,970	**4,630**	-	-	-	-	0.097 J	0.097 J	68.67	67.79	0.65%
	3/15/2013	6.87	3,770	**4,180**	-	-	-	-	0.15	0.058 J	74.16	67.83	4.46%
MW-A-110	10/7/2010	**5.53**	3,000	**2,290**	< 4.0	102	273	69.7	14.6	21	40.22	50.48	-11.31%
	5/16/2011	**5.62**	4,190	**2,960**	9 J	76.2	265	61.4	45.5	6.8	38.11	37.22	1.17%
	10/18/2011	**5.30**	3,880	**4,150**	13	38.9	262	65.6	16.3	25.2	39.23	83.22	-35.93%
	5/31/2012	**5.54**	4,050	**3,200**	7 J	68.4	270	74	25.8	27.3	43.33	44.38	-1.20%
	10/16/2012	**5.60**	3,760	**3,440**	< 4.0	108	310	112	9.1 J	86.1	44.40	49.22	-5.15%
	2/15/2013	**5.56**	4,100	**4,180**	-	-	-	-	10.1	16.7	46.71	52.75	-6.07%
	3/11/2013	**6.03**	4,070	**3,490**	-	-	-	-	13.2	13.9	47.76	49.37	-1.66%

Table 6

Historical Groundwater Sampling Analytical Results for Metals and General Chemistry Parameters
Nu-West CPO Facility
Soda Springs, Idaho

		General Chemistry				Nitrogen Species (mg/l)			Phosphorus Species (mg/l)		Charge Balance		
Well ID	**Sample Date**	**pH (S.U.)**	**Specific Conductance (µmhos/cm)**	**Total Dissolved Solids**	**Total Suspended Solids**	**Ammonia (as N)**	**Total Nitrogen**	**Total Kjeldahl Nitrogen**	**Ortho-phosphate (as PO4)**	**Total Phosphorus**	**Total Cations (meq/l)**	**Total Anions (meq/l)**	**Charge Balance Error**
	EPA MCL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Idaho Groundwater Standard	6.5 - 8.5	NS	500	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-B-120	10/7/2010	**5.02**	1,910	**2,400**	18	14.1	21.1	10.6	0.6	7.4	42.53	40.09	2.96%
	5/16/2011	**4.78**	2,070	**1,660**	14	19.1	30.7	16.8	195	194	30.12	33.15	-4.79%
	10/18/2011	**6.35**	1,080	**815**	15	0.9	5.5	1.8	35	3.7	11.96	13.13	-4.66%
	5/31/2012	6.88	1,050	**774**	< 4.0	0.38	4	0.5	49.3	10.8	12.41	14.14	-6.51%
	10/16/2012	6.87	975	**779**	< 4.0	0.31	4.1	0.5	J 0.9	J 12	12.06	12.29	-0.95%
	2/15/2013	6.91	1,010	**821**	-	-	-	-	1.4	2.5	12.97	12.08	3.57%
	3/12/2013	6.88	1,640	**1,400**	-	-	-	-	1.6	2.2	11.72	12.17	-1.89%
Nu-West Production Wells													
NW-09	10/7/2010	**6.45**	1,300	106	35	5.7	29.6	4.5	0.078 J	5.1	21.32	25.11	-8.18%
	5/16/2011	6.59	1,360	**1,080**	1,430	0.43	10.2	2.2	5	28.8	15.40	16.07	-2.14%
	10/17/2011	6.62	1,520	**1,120**	26	2	12.9	1.7	8.5	14.4	17.11	18.11	-2.84%
	6/5/2012	6.81	1,720	**1,360**	31	3.2	24.9	3.2	3.2	10.3	20.47	23.13	-6.11%
	10/22/2012	6.83	1,500	**1,350**	26	3.1	25.3	4.3	1.5	1.3	21.59	22.31	-1.63%
	2/15/2013	6.78	1,600	**1,410**	-	-	-	-	2 J	2.5	21.70	21.25	1.05%
	3/12/2013	6.78	1,020	**1,390**	-	-	-	-	1.6	2.3	19.50	21.23	-4.27%

a/ mg/L = milligrams per liter; µmhos/cm = micromhos per centimeter; J = analyte was detected at a concentration greater than the method detection limit but less than the reporting limit; NS = no sta
Bold font Indicates a concentration that exceeds one or more evaluation criteria.
b/ Evaluation criteria were taken from the EPA-approved Quality Assurance Project Plan dated June 29, 2010.
c/ National Primary Drinking Water Regulations, Title 40, Part 141, Appendix A, Regulated Contaminants EPA (March 2010).
d/ Idaho Groundwater Quality Rule, Idaho Administrative Code IDAPA 58.01.11, Numerical Ground Water Quality Standards, Primary and Secondary Standards.
e/ Nitrate as N03- was calculated using a conversion factor of 4.43 mg of nitrate per mg of nitrate as N;
Bicarbonate as HCO3- was calculated using a converstion factor of 1.22 mg of bicarbonate per mg of CaCO3.

Enclosure A

Southeast ACCUTEST LABORATORIES

03/13/13

Technical Report for

WSP Environment & Energy

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

36785.01

Accutest Job Number: FA1988

Sampling Date: 02/20/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
brian.kelly@wspgroup.com; tim.huff@wspgroup.com;
isaac.pelz@wspgroup.com; steve.dawson@wspgroup.com
ATTN: Tim Huff

Total number of pages in report: **86**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA1988

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Project No: 36785.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA1988-1	02/20/13	15:15	TP	02/22/13	AQ	Ground Water	A-34-022
FA1988-1F	02/20/13	15:15	TP	02/22/13	AQ	Groundwater Filtered	A-34-022

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA1988

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 3/13/2013 5:58:30 PM

1 Sample(s) was collected on 02/20/2013 and was received at Accutest SE on 02/22/2013 properly preserved, at 2.2 Deg. C and intact. The Sample received an Accutest job number of FA1988. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP24662

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1983-1DUP, FA1983-1MS, FA1983-1MSD, FA1983-1PS, FA1983-1SDL were used as the QC samples for metals.RPD(s) for Serial Dilution for Aluminum, Iron, Potassium, Calcium are outside control limits for sample MP24662-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24662-SD1 for Calcium: Serial dilution indicates possible matrix interference.

MP24662-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA1988-1F for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA1988-1F for Selenium: Elevated reporting limit(s) due to matrix interference.

FA1988-1F for Chromium: Elevated reporting limit(s) due to matrix interference.

FA1988-1F for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA1988-1F for Antimony: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54277

All method blanks for this batch meet method specific criteria.

Sample(s) FA1978-4DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA1988-1

FA1988-1 for Specific Conductivity: Received out of hold & analyzed by request.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21044

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1968-15MS, FA1968-15MSD were used as the QC samples for Chloride, Fluoride, Nitrogen, Nitrate, Sulfate.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Fluoride are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

FA1988-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21035

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1988-1FDUP, FA1988-1FMSD were used as the QC samples for Phosphate, Ortho.

GP21035-S1 for Phosphate, Ortho: Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Matrix: AQ **Batch ID:** GP21064

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2110-1DUP, FA2110-1MS, FA2110-1MSD were used as the QC samples for Phosphorus, Total.

Wet Chemistry By Method SM 4500H B/SW 9040C

Matrix: AQ **Batch ID:** GN54278

Sample(s) FA1988-1DUP was used as the QC sample for pH.

FA1988-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54412

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA1867-12DUP, FA1867-12MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54487

All method blanks for this batch meet method specific criteria.

Sample(s) FA1988-1DUP was used as the QC sample for Solids, Total Dissolved.

The following sample was run outside of holding time for method SM19 2540C: FA1988-1. Sample exceeded hold time due to reanalysis.

RPD(s) for Duplicate for Solids, Total Dissolved are outside control limits for sample GN54487-D1. Probable cause is due to sample non-homogeneity.

GN54487-D1 for Solids, Total Dissolved: Outside control limits.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: March 13, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA1988
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/20/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA1988-1	**A-34-022**					
Chloride		85.2 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		2360	100	30	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		7920	2500	700	mg/l	EPA 365.3
Solids, Total Dissolved [a]		72000	5000	500	mg/l	SM19 2540C
Specific Conductivity [b]		17200	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		15300	1000	300	mg/l	EPA 300/SW846 9056A
pH [c]		2.10			su	SM 4500H B/SW 9040C
FA1988-1F	**A-34-022**					
Aluminum		1820000	1000	75	ug/l	SW846 6010C
Arsenic [d]		250	50	13	ug/l	SW846 6010C
Cadmium [d]		3340	25	2.5	ug/l	SW846 6010C
Calcium		559000	5000	250	ug/l	SW846 6010C
Chromium [d]		3680	50	10	ug/l	SW846 6010C
Iron		2010000	1500	150	ug/l	SW846 6010C
Magnesium		1430000	25000	370	ug/l	SW846 6010C
Potassium		570000	200000	4000	ug/l	SW846 6010C
Selenium [d]		94.6	50	10	ug/l	SW846 6010C
Sodium		986000	200000	10000	ug/l	SW846 6010C
Phosphate, Ortho		1680	1000	190	mg/l	EPA 365.3

(a) Sample exceeded hold time due to reanalysis.
(b) Field analysis required. Received out of hold & analyzed by request.
(c) Field analysis required. Received out of hold time and analyzed by request.
(d) Elevated reporting limit(s) due to matrix interference.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA1988-1	**Date Sampled:**	02/20/13
Matrix:	AQ - Ground Water	**Date Received:**	02/22/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	03/02/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/02/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	03/02/13 08:30	AC	SM19 2320B
Chloride	85.2 J	200	80	mg/l	100	02/22/13 13:02	AR	EPA 300/SW846 9056A
Fluoride	2360	100	30	mg/l	500	02/22/13 20:49	AR	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	02/22/13 13:02	AR	EPA 300/SW846 9056A
Phosphorus, Total	7920	2500	700	mg/l	25000	02/27/13 11:00	LE	EPA 365.3
Solids, Total Dissolved [b]	72000	5000	500	mg/l	50	03/06/13	KC	SM19 2540C
Specific Conductivity [c]	17200	1.0	1.0	umhos/cm	1	02/22/13 14:05	LE	EPA 120.1
Sulfate	15300	1000	300	mg/l	500	02/22/13 20:49	AR	EPA 300/SW846 9056A
pH [d]	2.10			su	1	02/22/13 14:15	LE	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample exceeded hold time due to reanalysis.
(c) Field analysis required. Received out of hold & analyzed by request.
(d) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA1988-1F	**Date Sampled:**	02/20/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/22/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1820000	1000	75	ug/l	5	02/22/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	65 U	120	65	ug/l	5	02/22/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	250	50	13	ug/l	5	02/22/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	3340	25	2.5	ug/l	5	02/22/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	559000	5000	250	ug/l	5	02/22/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	3680	50	10	ug/l	5	02/22/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	2010000	1500	150	ug/l	5	02/22/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	1430000	25000	370	ug/l	5	02/22/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	570000	200000	4000	ug/l	20	02/22/13	02/27/13	LM	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	94.6	50	10	ug/l	5	02/22/13	02/26/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	986000	200000	10000	ug/l	20	02/22/13	02/27/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10565
(2) Instrument QC Batch: MA10570
(3) Prep QC Batch: MP24662

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA1988-1F	**Date Sampled:**	02/20/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/22/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	1680	1000	190	mg/l	10000	02/22/13 13:20	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA1988

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: WSP ENV + ENG
Address: 205 W. PARK ST
City: JACKSON State: MO Zip: 63755
Project Contact: TIM HUFF E-mail: Tim.Huff@wspgroup.com
Phone#: 573-217-6759
Sampler(s) Name(s) (Printed): PATTIE

Project Information

Project Name: AGRIUM
Street
City State
Project #
Fax #
Client Purchase Order #

Analytical Information

SEE ATTACHED

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	HNO3	ZnAc/NaOH	H2SO4	NaOH/ZnAc	DI WATER	MEOH	SEE ATTACHED	LAB USE ONLY
1	A-34-022	022013	1515	RP	GW	4		X			X	X				X	

TURNAROUND TIME (Business Days)

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Approved By: / Rush Code

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time: 022013 1645	Received By: 2 FO	Relinquished by: 3 FO 02-22-13	Date Time: 1000	Received By: 4
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.2

FA1988: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA1988 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 02-22-13 1000 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8013 5708 0780

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 1.8
- [ ] CORRECTED TEMPS: 22

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE R Wilk 02-22-13 REVIEWER SIGNATURE/DATE C 2-22-13

NF 12/10

receipt confirmation 122910.xls

5.1

5

FA1988: Chain of Custody

Page 2 of 3

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

Analyte List #2 (groundwater samples and groundwater sampling equipment blanks)

- total dissolved solids (TDS)
- dissolved aluminum, antimony, arsenic, cadmium, calcium, chromium, iron, magnesium, potassium, selenium, and sodium
- chloride, fluoride, nitrate as N, and sulfate
- pH
- total phosphorous
- dissolved orthophosphate
- bicarbonate and carbonate alkalinity as CaCO3
- specific conductance

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10563
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	07:57	MA10563-STD1	1		STDA
	08:02	MA10563-STD2	1		STDB
	08:05	MA10563-STD3	1		STDC
	08:10	MA10563-STD4	1		STDD
	08:16	MA10563-HSTD1	1		
	08:23	MA10563-ICV1	1		
	08:30	MA10563-ICB1	1		
	08:34	MA10563-CRIA1	1		
	08:44	MA10563-ICSA1	1		
	08:54	MA10563-ICSAB1	1		
	09:01	MA10563-CCV1	1		
	09:10	MA10563-CCB1	1		
	09:14	MP24662-MB1	1		
	09:18	MP24662-B1	1		
	09:22	FA1983-1	1		(sample used for QC only; not part of login FA1988)
	09:26	MP24662-D1	1		
	09:31	MP24662-SD1	5		
	09:35	MP24662-PS1	1		
	09:39	MP24662-S1	1		
	09:43	MP24662-S2	1		
---------->	Last reportable sample/prep for job FA1988				
	09:46	ZZZZZZ	1		
	09:51	ZZZZZZ	1		
	09:55	MA10563-CCV2	1		
	09:59	MA10563-CCB2	1		
	10:03	ZZZZZZ	1		
	10:07	ZZZZZZ	1		
	10:11	ZZZZZZ	1		
	10:15	ZZZZZZ	1		
	10:19	ZZZZZZ	1		
	10:23	ZZZZZZ	1		
	10:28	ZZZZZZ	1		
	10:32	ZZZZZZ	1		
	10:36	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10563
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:45	MA10563-CCV3	1		
10:49	MA10563-CCB3	1		
10:53	MP24663-MB1	1		
10:57	MP24663-B1	1		
11:01	FA1958-1	1		(sample used for QC only; not part of login FA1988)
11:05	MP24663-D1	1		
11:09	MP24663-SD1	5		
11:13	MP24663-PS1	1		
11:17	MP24663-S1	1		
11:21	MP24663-S2	1		
11:25	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:33	MA10563-CCV4	1		
11:37	MA10563-CCB4	1		
11:42	ZZZZZZ	1		
11:46	ZZZZZZ	1		
11:50	ZZZZZZ	1		
11:54	ZZZZZZ	1		
11:58	ZZZZZZ	1		
12:02	ZZZZZZ	1		
12:10	ZZZZZZ	1		
12:15	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:23	MA10563-CCV5	1		
12:27	MA10563-CCB5	1		
12:33	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:41	MP24669-MB1	1		
12:45	MP24669-B1	1		
12:49	FA2025-2	1		(sample used for QC only; not part of login FA1988)
12:53	MP24669-D1	1		
12:57	MP24669-SD1	5		
13:01	MP24669-PS1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10563
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:05	MP24669-S1	1		
13:09	MP24669-S2	1		
13:13	MA10563-CCV6	1		
13:17	MA10563-CCB6	1		
13:22	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:34	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:47	ZZZZZZ	1		
13:51	ZZZZZZ	1		
14:02	MA10563-CCV7	1		
14:11	MA10563-CCB7	1		
14:17	MP24673-MB1	1		
14:21	MP24673-B1	1		
14:25	FA2040-2	1		(sample used for QC only; not part of login FA1988)
14:29	MP24673-D1	1		
14:33	MP24673-SD1	5		
14:37	MP24673-PS1	1		
14:41	MP24673-S1	1		
14:45	MP24673-S2	1		
14:49	ZZZZZZ	1		
14:54	ZZZZZZ	1		
14:58	MA10563-CCV8	1		
15:02	MA10563-CCB8	1		
15:06	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:30	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10563
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:34	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:47	MA10563-CCV9	1		
15:51	MA10563-CCB9	1		
15:55	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:07	ZZZZZZ	1		
16:11	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:24	MP24673-MB2A	1		
16:28	MA10563-CRIA2	1		
16:32	MA10563-ICSA2	1		
16:36	MA10563-CCV10	1		
16:40	MA10563-CCB10	1		
16:44	MA10563-ICSAB2	1		
16:48	MA10563-CCV11	1		
16:52	MA10563-CCB11	1		

----------> Last reportable CCB for job FA1988
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10563
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:57	MA10563-STD1	8153	45363	6880	3675
08:02	MA10563-STD2	8015	43862	6894	3375
08:05	MA10563-STD3	7709	42472	6779	3032
08:10	MA10563-STD4	7404	41234	6824	2790
08:16	MA10563-HSTD1	7407	41119	6708	2756
08:23	MA10563-ICV1	7763	42246	6817	3027
08:30	MA10563-ICB1	8127 R	44698 R	6725 R	3618 R
08:34	MA10563-CRIA1	8083	44140	6739	3425
08:44	MA10563-ICSA1	7058	37891	6658	2649
08:54	MA10563-ICSAB1	7034	37556	6540	2576
09:01	MA10563-CCV1	7758	42431	6788	3038
09:10	MA10563-CCB1	8305	45697	6871	3645
09:14	MP24662-MB1	8303	45865	7003	3623
09:18	MP24662-B1	7890	43235	6906	3157
09:22	FA1983-1	8457	46308	7152	3604
09:26	MP24662-D1	8147	45287	6981	3518
09:31	MP24662-SD1	8239	45652	6899	3613
09:35	MP24662-PS1	8166	44864	7014	3349
09:39	MP24662-S1	7698	42063	6770	3043
09:43	MP24662-S2	7930	43442	6872	3137
09:46	ZZZZZZ	8413	46061	7295	3164
09:51	ZZZZZZ	9092	50485	8096	2972
09:55	MA10563-CCV2	7785	42950	6780	3054
09:59	MA10563-CCB2	8270	45687	6857	3635
10:03	ZZZZZZ	8241	45210	7364	2979
10:07	ZZZZZZ	9043	49382	7841	3096
10:11	ZZZZZZ	7654	41438	6712	2833
10:15	ZZZZZZ	9476	52027	8309	3033
10:19	ZZZZZZ	8400	46224	7406	2999
10:23	ZZZZZZ	8497	46268	7260	3465
10:28	ZZZZZZ	8434	46558	7135	3563
10:32	ZZZZZZ	8528	46859	7419	3226
10:36	ZZZZZZ	7457	41400	6616	3141

INTERNAL STANDARD SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10563
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:45	MA10563-CCV3	7873	42888	6458	3045
10:49	MA10563-CCB3	8359	45842	6603	3651
10:53	MP24663-MB1	8574	47587	6897	3670
10:57	MP24663-B1	7901	42938	6427	3124
11:01	FA1958-1	9354	51296	7625	3222
11:05	MP24663-D1	9577	51936	7689	3266
11:09	MP24663-SD1	8563	46975	6705	3515
11:13	MP24663-PS1	9460	51177	7601	3246
11:17	MP24663-S1	9014	48810	7457	3085
11:21	MP24663-S2	9593	51711	7927	3069
11:25	ZZZZZZ	9455	51091	7528	3470
11:29	ZZZZZZ	17728 !	97293 !	14480 !	3051
11:33	MA10563-CCV4	7961	43342	6499	3070
11:37	MA10563-CCB4	8410	45924	6503	3671
11:42	ZZZZZZ	9136	49657	7643	2947
11:46	ZZZZZZ	8426	45778	6660	3455
11:50	ZZZZZZ	8456	45831	6615	3449
11:54	ZZZZZZ	8566	46144	6774	3397
11:58	ZZZZZZ	9363	50649	7678	3079
12:02	ZZZZZZ	9312	50340	7633	3116
12:10	ZZZZZZ	9987	54228	8114	3126
12:15	ZZZZZZ	11370 !	61480 !	9599 !	2785
12:19	ZZZZZZ	10731 !	58088 !	8844 !	2885
12:23	MA10563-CCV5	7924	43097	6269	3067
12:27	MA10563-CCB5	8376	46261	6306	3690
12:33	ZZZZZZ	10194 !	55168	8322	2960
12:37	ZZZZZZ	8403	46245	6447	3529
12:41	MP24669-MB1	8128	45981	6761	3553
12:45	MP24669-B1	7985	44022	6403	3225
12:49	FA2025-2	10542	57573	8329	3264
12:53	MP24669-D1	9957	54185	7873	3221
12:57	MP24669-SD1	8893	48520	6860	3558
13:01	MP24669-PS1	10207	55860	8205	3183

INTERNAL STANDARD SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10563
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:05	MP24669-S1	11262	61908	9250	3085
13:09	MP24669-S2	9862	54022	7979	3059
13:13	MA10563-CCV6	7904	43146	6310	3076
13:17	MA10563-CCB6	8128	44837	6255	3629
13:22	ZZZZZZ	9675	52523	7644	3192
13:26	ZZZZZZ	9416	51595	7314	3323
13:30	ZZZZZZ	8541	47995	6577	3488
13:34	ZZZZZZ	9795	53370	7750	3382
13:38	ZZZZZZ	10436	56630	8428	3066
13:43	ZZZZZZ	9155	48787	7294	3021
13:47	ZZZZZZ	8787	47876	6804	3282
13:51	ZZZZZZ	8340	44921	6488	3113
14:02	MA10563-CCV7	7772	42224	6029	2988
14:11	MA10563-CCB7	8388	45946	6236	3668
14:17	MP24673-MB1	8341	46409	6285	3667
14:21	MP24673-B1	7874	43067	6209	3160
14:25	FA2040-2	7179	38746	5740	2620
14:29	MP24673-D1	7149	38511	5703	2627
14:33	MP24673-SD1	7764	42955	6059	3137
14:37	MP24673-PS1	7094	38034	5737	2597
14:41	MP24673-S1	7055	38282	5791	2543
14:45	MP24673-S2	7038	37857	5622	2511
14:49	ZZZZZZ	8483	46455	6680	3140
14:54	ZZZZZZ	7783	42707	6202	3065
14:58	MA10563-CCV8	7714	42326	6061	3026
15:02	MA10563-CCB8	8182	45169	6228	3647
15:06	ZZZZZZ	8416	46139	6640	3006
15:10	ZZZZZZ	8009	43909	6111	3390
15:14	ZZZZZZ	8126	44910	6204	3523
15:18	ZZZZZZ	8151	45033	6184	3579
15:22	ZZZZZZ	8011	44746	6100	3489
15:26	ZZZZZZ	7851	43127	5980	3320
15:30	ZZZZZZ	8136	44479	6209	3553

INTERNAL STANDARD SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10563
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:34	ZZZZZZ	7828	43341	6135	3379
15:39	ZZZZZZ	8025	44642	6252	3363
15:43	ZZZZZZ	8084	44547	6118	3477
15:47	MA10563-CCV9	7666	41850	5913	2995
15:51	MA10563-CCB9	8101	44516	6020	3613
15:55	ZZZZZZ	8177	45666	6262	3501
15:59	ZZZZZZ	7536	41502	6003	3070
16:03	ZZZZZZ	8112	45228	6201	3499
16:07	ZZZZZZ	7904	43529	6142	3356
16:11	ZZZZZZ	7925	44058	6141	3362
16:15	ZZZZZZ	8018	44294	6080	3391
16:20	ZZZZZZ	7967	43980	6090	3331
16:24	MP24673-MB2A	8197	45557	6206	3632
16:28	MA10563-CRIA2	8051	44181	6007	3446
16:32	MA10563-ICSA2	7010	37292	5739	2600
16:36	MA10563-CCV10	7718	41992	5917	3012
16:40	MA10563-CCB10	8121	44682	6006	3622
16:44	MA10563-ICSAB2	6966	37505	5789	2583
16:48	MA10563-CCV11	7603	41709	5825	2975
16:52	MA10563-CCB11	8079	44922	5934	3606

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10563 Units: ug/l

Time:			08:30		09:10		09:59		10:49	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-1.9	<200	5.1	<200	3.4	<200	5.9	<200
Antimony	6.0	1.3	0.80	<6.0	-1.1	<6.0	-1.4	<6.0	-1.9	<6.0
Arsenic	10	1.6	-0.60	<10	-0.40	<10	-0.70	<10	-0.50	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	3.3	<1000	5.6	<1000	6.2	<1000	7.4	<1000
Chromium	10	1.8	0.0	<10	0.10	<10	0.30	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-2.3	<300	1.7	<300	5.6	<300	16.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	5.0	<5000	10.6	<5000	4.5	<5000	10.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	18.8	<10000	-23	<10000	-5.8	<10000	222	<10000
Selenium	10	2	0.0	<10	0.30	<10	-0.40	<10	-0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	6.7	<10000	2.3	<10000	38.4	<10000	168	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10563 Units: ug/l

Time:			11:37		12:27		13:17		14:11	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.8	<200	3.7	<200	9.0	<200	2.4	<200
Antimony	6.0	1.3	-1.2	<6.0	-2.1	<6.0	-0.90	<6.0	-2.8	<6.0
Arsenic	10	1.6	-0.80	<10	-0.70	<10	0.10	<10	-0.80	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	8.0	<1000	5.8	<1000	7.6	<1000	7.5	<1000
Chromium	10	1.8	0.10	<10	0.20	<10	0.30	<10	0.10	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	7.7	<300	5.4	<300	8.8	<300	6.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	25.9	<5000	12.9	<5000	9.3	<5000	14.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	25.6	<10000	59.2	<10000	66.3	<10000	-30	<10000
Selenium	10	2	0.10	<10	-0.60	<10	0.70	<10	-0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	36.9	<10000	31.0	<10000	37.8	<10000	25.1	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10563 Units: ug/l

Time:			15:02		15:51		16:40		16:52	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.6	<200	3.8	<200	3.9	<200	3.7	<200
Antimony	6.0	1.3	-1.2	<6.0	-1.4	<6.0	-2.0	<6.0	-1.2	<6.0
Arsenic	10	1.6	-0.40	<10	-0.40	<10	-0.90	<10	-0.70	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	9.0	<1000	7.0	<1000	10.7	<1000	9.4	<1000
Chromium	10	1.8	0.20	<10	0.30	<10	0.30	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	3.6	<300	3.8	<300	3.9	<300	7.7	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	14.0	<5000	-0.30	<5000	-2.9	<5000	12.0	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	110	<10000	49.5	<10000	18.4	<10000	-12	<10000
Selenium	10	2	0.0	<10	-1.2	<10	-0.40	<10	0.20	<10
Silver	10	.5	anr							
Sodium	10000	500	110	<10000	54.5	<10000	45.0	<10000	42.0	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10563 Units: ug/l

Time:		08:23			09:01			09:55	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41500	103.8	40000	40600	101.5	40000	40000	100.0
Antimony	2000	2020	101.0	2000	1970	98.5	2000	1960	98.0
Arsenic	2000	1990	99.5	2000	1960	98.0	2000	1950	97.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2000	100.0	2000	1970	98.5
Calcium	40000	42100	105.3	40000	40600	101.5	40000	39800	99.5
Chromium	2000	2090	104.5	2000	2010	100.5	2000	1960	98.0
Cobalt	anr								
Copper	anr								
Iron	40000	40100	100.3	40000	40000	100.0	40000	39900	99.8
Lead	anr								
Magnesium	40000	39500	98.8	40000	40100	100.3	40000	39600	99.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40900	102.3	40000	40600	101.5	40000	40200	100.5
Selenium	2000	2060	103.0	2000	1980	99.0	2000	1960	98.0
Silver	anr								
Sodium	40000	41700	104.3	40000	41100	102.8	40000	40400	101.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10563 Units: ug/l

Time:		10:45			11:33			12:23	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	39500	98.8	40000	39600	99.0
Antimony	2000	1920	96.0	2000	1890	94.5	2000	1910	95.5
Arsenic	2000	1920	96.0	2000	1890	94.5	2000	1910	95.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	1970	98.5	2000	1960	98.0	2000	1970	98.5
Calcium	40000	39400	98.5	40000	39200	98.0	40000	39400	98.5
Chromium	2000	1970	98.5	2000	1970	98.5	2000	1970	98.5
Cobalt	anr								
Copper	anr								
Iron	40000	39000	97.5	40000	38700	96.8	40000	39200	98.0
Lead	anr								
Magnesium	40000	39000	97.5	40000	38600	96.5	40000	39000	97.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40300	100.8	40000	40200	100.5	40000	41100	102.8
Selenium	2000	1920	96.0	2000	1890	94.5	2000	1910	95.5
Silver	anr								
Sodium	40000	39500	98.8	40000	40900	102.3	40000	41400	103.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10563 Units: ug/l

Time:		13:13			14:02			14:58	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	40100	100.3	40000	39600	99.0
Antimony	2000	1930	96.5	2000	1940	97.0	2000	1950	97.5
Arsenic	2000	1930	96.5	2000	1940	97.0	2000	1950	97.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	1980	99.0	2000	2020	101.0	2000	2000	100.0
Calcium	40000	39200	98.0	40000	40100	100.3	40000	39600	99.0
Chromium	2000	1980	99.0	2000	2010	100.5	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Iron	40000	39300	98.3	40000	40100	100.3	40000	39600	99.0
Lead	anr								
Magnesium	40000	38800	97.0	40000	39600	99.0	40000	39000	97.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41200	103.0	40000	41900	104.8	40000	41700	104.3
Selenium	2000	1930	96.5	2000	1940	97.0	2000	1960	98.0
Silver	anr								
Sodium	40000	41100	102.8	40000	42200	105.5	40000	41100	102.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10563 Units: ug/l

Time:		15:47			16:36			16:48	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39500	98.8	40000	39500	98.8
Antimony	2000	1960	98.0	2000	1940	97.0	2000	1970	98.5
Arsenic	2000	1950	97.5	2000	1940	97.0	2000	1960	98.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	1990	99.5	2000	1980	99.0	2000	2000	100.0
Calcium	40000	39600	99.0	40000	39500	98.8	40000	39600	99.0
Chromium	2000	1980	99.0	2000	1980	99.0	2000	1980	99.0
Cobalt	anr								
Copper	anr								
Iron	40000	39700	99.3	40000	39600	99.0	40000	40100	100.3
Lead	anr								
Magnesium	40000	39200	98.0	40000	39100	97.8	40000	39300	98.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41800	104.5	40000	41800	104.5	40000	42000	105.0
Selenium	2000	1950	97.5	2000	1940	97.0	2000	1960	98.0
Silver	anr								
Sodium	40000	41600	104.0	40000	41400	103.5	40000	41500	103.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10563 Units: ug/l

Time:		08:16	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79800	99.8
Antimony	4000	4000	100.0
Arsenic	4000	4010	100.3
Barium	anr		
Beryllium	anr		
Cadmium	4000	4000	100.0
Calcium	80000	79400	99.3
Chromium	4000	3980	99.5
Cobalt	anr		
Copper	anr		
Iron	80000	79800	99.8
Lead	anr		
Magnesium	80000	79200	99.0
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	79700	99.6
Selenium	4000	3980	99.5
Silver	anr		
Sodium	80000	79700	99.6
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10563 Units: ug/l

Time:			08:34		16:28	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	216	108.0	210	105.0
Antimony	10	5.0	5.2	104.0	3.9	78.0
Arsenic	20	10	8.4	84.0	8.4	84.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.0	100.0	4.9	98.0
Calcium	2000	1000	1050	105.0	1010	101.0
Chromium	20	10	10.2	102.0	9.8	98.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	322	107.3	310	103.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5080	101.6	4940	98.8
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9920	99.2	10400	104.0
Selenium	20	10	9.4	94.0	9.9	99.0
Silver	20	10	anr			
Sodium	20000	10000	10300	103.0	10500	105.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022513M1.ICP Date Analyzed: 02/25/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10563 Units: ug/l

Time:			08:44		08:54		16:32		16:44	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	519000	103.8	514000	102.8	505000	101.0	491000	98.2
Antimony		1000	-0.10		994	99.4	-0.50		996	99.6
Arsenic		1000	1.3		1010	101.0	0.40		1000	100.0
Barium		500	-0.60		542	108.4	-0.10		554	110.8
Beryllium		500	-0.10		507	101.4	-0.10		487	97.4
Cadmium		1000	0.0		986	98.6	0.40		971	97.1
Calcium	500000	500000	494000	98.8	496000	99.2	485000	97.0	475000	95.0
Chromium		500	-0.40		513	102.6	-0.60		495	99.0
Cobalt		500	0.20		485	97.0	0.20		479	95.8
Copper		500	0.0		536	107.2	-0.20		526	105.2
Iron	200000	200000	193000	96.5	181000	90.5	192000	96.0	181000	90.5
Lead		1000	0.10		968	96.8	5.4		976	97.6
Magnesium	500000	500000	484000	96.8	479000	95.8	471000	94.2	463000	92.6
Manganese		500	0.0		520	104.0	0.10		519	103.8
Molybdenum		1000	0.0		953	95.3	-0.30		960	96.0
Nickel		1000	-0.90		947	94.7	-1.1		950	95.0
Potassium			51.9		70.1		187		97.5	
Selenium		1000	0.0		981	98.1	2.0		979	97.9
Silver		1000	0.0		1100	110.0	-0.40		1090	109.0
Sodium			118		158		192		180	
Strontium		1000	4.9		1070	107.0	4.8		1090	109.0
Thallium		1000	-0.40		953	95.3	-1.8		957	95.7
Tin		1000	-0.90		923	92.3	-0.90		915	91.5
Titanium		1000	-3.3		1030	103.0	-3.2		1030	103.0
Vanadium		500	-0.10		541	108.2	-0.40		525	105.0
Zinc		1000	-0.90		957	95.7	-1.1		977	97.7

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10565
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:55	MA10565-STD1	1		STDA
07:59	MA10565-STD2	1		STDB
08:03	MA10565-STD3	1		STDC
08:07	MA10565-STD4	1		STDD
08:12	MA10565-HSTD1	1		
08:19	MA10565-ICV1	1		
08:29	MA10565-ICB1	1		
08:33	MA10565-CRIA1	1		
08:40	MA10565-ICSA1	1		
08:50	MA10565-ICSAB1	1		
08:59	MA10565-CCV1	1		
09:06	MA10565-CCB1	1		
09:11	MP24674-MB1	1		
09:16	MP24674-B1	1		
09:20	FA2000-1	1		(sample used for QC only; not part of login FA1988)
09:24	MP24674-D1	1		
09:29	MP24674-SD1	5		
09:33	MP24674-PS1	1		
09:38	MP24674-S1	1		
09:42	MP24674-S2	1		
09:46	ZZZZZZ	1		
09:51	ZZZZZZ	1		
09:55	MA10565-CCV2	1		
10:00	MA10565-CCB2	1		
10:04	ZZZZZZ	1		
10:09	ZZZZZZ	1		
10:13	ZZZZZZ	1		
10:17	ZZZZZZ	1		
10:22	ZZZZZZ	1		
10:26	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:40	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10565
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	10:44	ZZZZZZ	1		
	10:49	MA10565-CCV3	1		
	10:53	MA10565-CCB3	1		
	10:58	ZZZZZZ	1		
	11:03	ZZZZZZ	1		
	11:07	ZZZZZZ	1		
	11:12	ZZZZZZ	1		
	11:16	ZZZZZZ	1		
	11:21	ZZZZZZ	1		
	11:26	ZZZZZZ	1		
	11:35	ZZZZZZ	10		
	11:39	ZZZZZZ	4		
	11:43	MA10565-CCV4	1		
	11:48	MA10565-CCB4	1		
	12:12	MA10565-CCV5	1		
	12:25	MA10565-CCB5	1		
	12:45	ZZZZZZ	2		
	12:49	ZZZZZZ	10		
	12:54	ZZZZZZ	4		
	12:58	ZZZZZZ	4		
	13:03	ZZZZZZ	4		
	13:07	ZZZZZZ	4		
	13:12	ZZZZZZ	5		
	13:16	ZZZZZZ	4		
	13:21	ZZZZZZ	4		
	13:25	ZZZZZZ	2		
	13:30	MA10565-CCV6	1		
	13:34	MA10565-CCB6	1		
	13:39	ZZZZZZ	4		
	13:43	FA1988-1F	5		
---------->	Last reportable sample/prep for job FA1988				
	13:48	ZZZZZZ	2		
	13:52	ZZZZZZ	2		
	13:57	ZZZZZZ	4		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10565
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:01	ZZZZZZ	4		
14:06	ZZZZZZ	2		
14:10	ZZZZZZ	2		
14:14	ZZZZZZ	2		
14:19	FA2040-2	5		(sample used for QC only; not part of login FA1988)
14:23	MA10565-CCV7	1		
14:27	MA10565-CCB7	1		
14:32	MP24673-D1	5		
14:37	MP24673-S1	5		
14:41	MP24673-S2	5		
14:45	MP24673-PS1	5		
14:50	MP24673-SD1	25		
14:54	ZZZZZZ	2		
14:59	ZZZZZZ	2		
15:03	ZZZZZZ	2		
15:08	MP24678-MB1	1		
15:12	MP24678-B1	1		
15:17	MA10565-CCV8	1		
15:21	MA10565-CCB8	1		
15:26	FA2074-1	1		(sample used for QC only; not part of login FA1988)
15:30	MP24678-D1	1		
15:35	MP24678-SD1	5		
15:40	MP24678-PS1	1		
15:44	MP24678-S1	1		
15:49	MP24678-S2	1		
15:53	ZZZZZZ	1		
15:58	ZZZZZZ	5		
16:03	ZZZZZZ	5		
16:07	ZZZZZZ	5		
16:12	MA10565-CCV9	1		
16:16	MA10565-CCB9	1		
16:40	MA10565-CCV10	1		
16:44	MA10565-CCB10	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10565
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:49	ZZZZZZ	5		
16:53	ZZZZZZ	5		
16:58	ZZZZZZ	5		
17:02	ZZZZZZ	5		
17:07	ZZZZZZ	5		
17:11	ZZZZZZ	5		
17:16	ZZZZZZ	5		
17:20	ZZZZZZ	5		
17:24	MP24684-MB1	1		
17:29	MP24684-B1	1		
17:33	MA10565-CCV11	1		
17:37	MA10565-CCB11	1		
17:42	FA2016-2	1		(sample used for QC only; not part of login FA1988)
17:47	MP24684-D1	1		
17:51	MP24684-SD1	5		
17:56	MP24684-PS1	1		
18:00	MP24684-S1	1		
18:04	MP24684-S2	1		
18:08	ZZZZZZ	1		
18:13	ZZZZZZ	1		
18:17	ZZZZZZ	1		
18:22	ZZZZZZ	1		
18:26	MA10565-CCV12	1		
18:31	MA10565-CCB12	1		
18:35	ZZZZZZ	1		
18:40	ZZZZZZ	1		
18:44	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:53	ZZZZZZ	1		
18:58	ZZZZZZ	1		
19:02	ZZZZZZ	1		
19:07	ZZZZZZ	1		
19:20	MA10565-CCV13	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10565
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:25	MA10565-CCB13	1		
20:14	MA10565-CCV14	1		
20:18	MA10565-CCB14	1		
20:27	MA10565-CRIA2	1		
20:32	MA10565-ICSA2	1		
20:37	MA10565-ICSAB2	1		
20:41	MA10565-CCV15	1		
20:46	MA10565-CCB15	1		

----------> Last reportable CCB for job FA1988
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10565
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:55	MA10565-STD1	1515	15941	10847	1077
07:59	MA10565-STD2	1517	15989	10808	1022
08:03	MA10565-STD3	1453	15535	10496	916
08:07	MA10565-STD4	1419	15402	10405	853
08:12	MA10565-HSTD1	1412	15349	10402	850
08:19	MA10565-ICV1	1446	15445	10414	913
08:29	MA10565-ICB1	1524 R	15980 R	10778 R	1077 R
08:33	MA10565-CRIA1	1516	15919	10724	1043
08:40	MA10565-ICSA1	1342	14285	9670	788
08:50	MA10565-ICSAB1	1341	14165	9760	781
08:59	MA10565-CCV1	1465	15447	10507	924
09:06	MA10565-CCB1	1517	15998	10806	1075
09:11	MP24674-MB1	1491	15898	10787	1066
09:16	MP24674-B1	1455	15438	10566	953
09:20	FA2000-1	1781	18817	12674	995
09:24	MP24674-D1	1760	18649	12546	982
09:29	MP24674-SD1	1561	16534	11070	1032
09:33	MP24674-PS1	1752	18687	12470	971
09:38	MP24674-S1	1808	19184	13054	928
09:42	MP24674-S2	1799	19140	12992	921
09:46	ZZZZZZ	1517	16085	10793	1045
09:51	ZZZZZZ	1487	15934	10695	1034
09:55	MA10565-CCV2	1430	15277	10213	906
10:00	MA10565-CCB2	1483	15631	10505	1053
10:04	ZZZZZZ	1508	16195	10824	997
10:09	ZZZZZZ	1504	15911	10717	1016
10:13	ZZZZZZ	1599	16988	11277	1003
10:17	ZZZZZZ	1487	16039	10548	989
10:22	ZZZZZZ	1485	16058	10406	1019
10:26	ZZZZZZ	1503	16060	10467	1016
10:31	ZZZZZZ	1499	15929	10573	1028
10:35	ZZZZZZ	1513	16019	10707	1026
10:40	ZZZZZZ	1497	16102	10583	1044

INTERNAL STANDARD SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10565
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:44	ZZZZZZ	1533	16599	10747	1035
10:49	MA10565-CCV3	1443	15493	10265	915
10:53	MA10565-CCB3	1487	15772	10377	1051
10:58	ZZZZZZ	1461	15698	10478	1011
11:03	ZZZZZZ	1510	16014	10609	1036
11:07	ZZZZZZ	1359	15017	10232	919
11:12	ZZZZZZ	1389	15276	10375	942
11:16	ZZZZZZ	1387	15219	10243	947
11:21	ZZZZZZ	1355	14934	10201	915
11:26	ZZZZZZ	1391	15226	10320	944
11:35	ZZZZZZ	1470	15728	10660	923
11:39	ZZZZZZ	1431	15544	10582	956
11:43	MA10565-CCV4	1420	15123	10153	898
11:48	MA10565-CCB4	1479	15498	10424	1046
12:12	MA10565-CCV5	1413	15031	10038	886
12:25	MA10565-CCB5	1466	15388	10254	1037
12:45	ZZZZZZ	1392	14951	10085	942
12:49	ZZZZZZ	1626	17041	11402	1019
12:54	ZZZZZZ	1478	15852	10626	960
12:58	ZZZZZZ	1468	15884	10692	951
13:03	ZZZZZZ	1461	15864	10775	952
13:07	ZZZZZZ	1417	15269	10287	944
13:12	ZZZZZZ	1400	15073	10274	942
13:16	ZZZZZZ	1493	15937	10836	963
13:21	ZZZZZZ	1441	15497	10592	957
13:25	ZZZZZZ	1425	15365	10390	936
13:30	MA10565-CCV6	1394	14802	9915	877
13:34	MA10565-CCB6	1460	15256	10201	1027
13:39	ZZZZZZ	1373	15017	10219	979
13:43	FA1988-1F	1638	17670	11716	798
13:48	ZZZZZZ	1568	16532	11030	946
13:52	ZZZZZZ	1572	16482	11010	947
13:57	ZZZZZZ	1598	16760	11205	954

INTERNAL STANDARD SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10565
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:01	ZZZZZZ	1617	17151	11343	922
14:06	ZZZZZZ	1710	18110	12071	906
14:10	ZZZZZZ	1681	17733	11802	931
14:14	ZZZZZZ	1734	18057	11965	952
14:19	FA2040-2	1366	14882	10145	920
14:23	MA10565-CCV7	1413	15018	10023	888
14:27	MA10565-CCB7	1467	15332	10284	1034
14:32	MP24673-D1	1364	14670	10014	918
14:37	MP24673-S1	1363	14803	10050	904
14:41	MP24673-S2	1348	14738	10003	896
14:45	MP24673-PS1	1343	14657	9941	907
14:50	MP24673-SD1	1414	14952	10115	988
14:54	ZZZZZZ	1452	15420	10456	944
14:59	ZZZZZZ	1370	14891	10128	919
15:03	ZZZZZZ	1416	15529	10565	910
15:08	MP24678-MB1	1454	15293	10189	1037
15:12	MP24678-B1	1403	14753	9997	914
15:17	MA10565-CCV8	1393	14709	9889	875
15:21	MA10565-CCB8	1420	15007	10074	1003
15:26	FA2074-1	1444	15697	10525	731
15:30	MP24678-D1	1467	15713	10634	742
15:35	MP24678-SD1	1413	15169	10205	868
15:40	MP24678-PS1	1429	15715	10494	722
15:44	MP24678-S1	1420	15490	10303	725
15:49	MP24678-S2	1397	15233	10303	687
15:53	ZZZZZZ	1339	14666	10066	671
15:58	ZZZZZZ	3231 !	34842 !	22554 !	770
16:03	ZZZZZZ	2780 !	30050 !	19153 !	813
16:07	ZZZZZZ	1332	14493	9678	815
16:12	MA10565-CCV9	1369	14565	9705	858
16:16	MA10565-CCB9	1411	14975	9964	996
16:40	MA10565-CCV10	1344	14629	9631	846
16:44	MA10565-CCB10	1395	14914	9830	986

INTERNAL STANDARD SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10565
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:49	ZZZZZZ	1650	17650	11642	897
16:53	ZZZZZZ	1809	19359	12898	796
16:58	ZZZZZZ	1994	21211	14363	833
17:02	ZZZZZZ	2058	22031	14746	823
17:07	ZZZZZZ	2003	21196	13814	858
17:11	ZZZZZZ	1667	17787	11926	814
17:16	ZZZZZZ	2071	21836	14531	905
17:20	ZZZZZZ	2148	22716	14999	871
17:24	MP24684-MB1	1415	14969	9976	996
17:29	MP24684-B1	1382	14701	9785	902
17:33	MA10565-CCV11	1362	14666	9651	852
17:37	MA10565-CCB11	1412	15017	9859	990
17:42	FA2016-2	1364	14672	9741	934
17:47	MP24684-D1	1372	14551	9733	929
17:51	MP24684-SD1	1406	14786	9919	979
17:56	MP24684-PS1	1363	14645	9780	905
18:00	MP24684-S1	1358	14446	9702	869
18:04	MP24684-S2	1362	14336	9696	863
18:08	ZZZZZZ	1325	14402	9753	893
18:13	ZZZZZZ	1344	14436	9698	899
18:17	ZZZZZZ	1421	14880	9892	975
18:22	ZZZZZZ	1414	14915	9993	975
18:26	MA10565-CCV12	1350	14487	9667	846
18:31	MA10565-CCB12	1407	14920	9847	988
18:35	ZZZZZZ	1401	14896	9904	963
18:40	ZZZZZZ	1413	14779	9945	979
18:44	ZZZZZZ	1404	14921	9999	973
18:49	ZZZZZZ	1402	14912	9919	965
18:53	ZZZZZZ	1355	14470	9742	928
18:58	ZZZZZZ	1313	14384	9779	904
19:02	ZZZZZZ	1314	14449	9737	898
19:07	ZZZZZZ	1402	14896	9932	991
19:20	MA10565-CCV13	1351	14428	9597	851

INTERNAL STANDARD SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10565
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:25	MA10565-CCB13	1408	14759	9868	992
20:14	MA10565-CCV14	1342	14385	9620	849
20:18	MA10565-CCB14	1391	14700	9890	984
20:27	MA10565-CRIA2	1388	14591	9785	959
20:32	MA10565-ICSA2	1233	13206	8967	730
20:37	MA10565-ICSAB2	1223	13285	8983	717
20:41	MA10565-CCV15	1341	14332	9557	846
20:46	MA10565-CCB15	1391	14640	9851	986

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10565 Units: ug/l

Time:			08:29		09:06		10:00		10:53	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-0.40	<200	6.0	<200	7.8	<200	8.6	<200
Antimony	6.0	1.3	-0.70	<20	-2.0	<20	-1.1	<6.0	-0.90	<6.0
Arsenic	10	1.6	1.1	<10	1.0	<10	2.2	<10	2.1	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	4.0	.5	0.0	<4.0	0.10	<4.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	2.2	<5000	9.3	<5000	10.0	<1000	8.0	<1000
Chromium	10	1.8	-0.10	<10	0.10	<10	0.0	<10	-0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	1.4	<300	7.7	<300	10.1	<300	12.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	0.60	<5000	-1.8	<5000	11.8	<5000	11.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	1.1	<20	1.0	<20	0.30	<10	-0.90	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9	anr							
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10565 Units: ug/l

Time:			11:48		12:25		13:34		14:27	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.8	<200	4.4	<200	2.2	<200	8.1	<200
Antimony	6.0	1.3	0.0	<6.0	-0.10	<6.0	-0.10	<6.0	-0.10	<6.0
Arsenic	10	1.6	0.30	<10	0.60	<10	-1.1	<10	1.0	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	4.0	.5	0.0	<5.0	0.0	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	7.0	<1000	3.1	<1000	0.60	<1000	2.9	<1000
Chromium	10	1.8	-0.10	<10	0.30	<10	0.0	<10	-0.50	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	10.4	<300	6.0	<300	11.0	<300	11.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	7.6	<5000	26.2	<5000	29.5	<5000	15.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	-0.70	<10	-1.1	<10	0.0	<10	-2.1	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10565 Units: ug/l

Time:			15:21		16:16		16:44		17:37	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	10.6	<200	10.8	<200	8.5	<200	7.7	<200
Antimony	6.0	1.3	-1.4	<6.0	-0.10	<6.0	0.70	<6.0	-0.80	<6.0
Arsenic	10	1.6	-0.90	<10	0.20	<10	0.60	<10	0.90	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	4.0	.5	0.20	<5.0	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	11.4	<1000	14.7	<1000	14.7	<1000	13.8	<1000
Chromium	10	1.8	0.20	<10	0.30	<10	0.20	<10	0.50	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	18.3	<300	17.3	<300	14.6	<300	14.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	25.5	<5000	-1.8	<5000	3.1	<5000	15.8	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	-2.2	<10	0.30	<10	-0.90	<10	-2.0	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10565 Units: ug/l

Time:			18:31		19:25		20:18		20:46	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.9	<200	6.7	<200	12.1	<200	17.1	<200
Antimony	6.0	1.3	-0.40	<6.0	0.80	<6.0	-0.50	<6.0	0.40	<6.0
Arsenic	10	1.6	0.80	<10	1.3	<10	1.4	<10	1.2	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	4.0	.5	0.20	<5.0	0.10	<5.0	0.30	<5.0	0.20	<5.0
Calcium	1000	50	13.5	<1000	10.4	<1000	14.5	<1000	18.0	<1000
Chromium	10	1.8	0.20	<10	0.40	<10	0.50	<10	0.70	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	12.4	<300	11.2	<300	15.6	<300	20.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	5.3	<5000	-3.4	<5000	-2.0	<5000	18.6	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	-3.1	<10	-2.7	<10	0.30	<10	-2.6	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10565 Units: ug/l

Time:		08:19			08:59			09:55	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41600	104.0	40000	40400	101.0	40000	41600	104.0
Antimony	2000	2100	105.0	2000	2010	100.5	2000	2080	104.0
Arsenic	2000	2060	103.0	2000	2000	100.0	2000	2080	104.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2130	106.5	2000	2040	102.0	2000	2120	106.0
Calcium	40000	43800	109.5	40000	41500	103.8	40000	43800	109.5
Chromium	2000	2140	107.0	2000	2070	103.5	2000	2110	105.5
Cobalt	anr								
Copper	anr								
Iron	40000	42100	105.3	40000	41300	103.3	40000	43000	107.5
Lead	anr								
Magnesium	40000	40700	101.8	40000	41000	102.5	40000	43000	107.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	2000	2130	106.5	2000	2010	100.5	2000	2070	103.5
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10565 Units: ug/l

Time:		10:49			11:43			12:12	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41100	102.8	40000	41600	104.0	40000	40300	100.8
Antimony	2000	2060	103.0	2000	2090	104.5	2000	1990	99.5
Arsenic	2000	2060	103.0	2000	2090	104.5	2000	1990	99.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2110	105.5	2000	2130	106.5	2000	2020	101.0
Calcium	40000	43900	109.8	40000	43400	108.5	40000	40700	101.8
Chromium	2000	2080	104.0	2000	2130	106.5	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	42700	106.8	40000	42800	107.0	40000	40900	102.3
Lead	anr								
Magnesium	40000	42900	107.3	40000	42800	107.0	40000	40200	100.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	2050	102.5	2000	2070	103.5	2000	2010	100.5
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10565 Units: ug/l

Time:		13:30			14:23			15:17	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40700	101.8	40000	40400	101.0	40000	41100	102.8
Antimony	2000	2030	101.5	2000	2000	100.0	2000	2050	102.5
Arsenic	2000	2030	101.5	2000	2000	100.0	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2040	102.0	2000	2080	104.0
Calcium	40000	41500	103.8	40000	41500	103.8	40000	41800	104.5
Chromium	2000	2070	103.5	2000	2040	102.0	2000	2100	105.0
Cobalt	anr								
Copper	anr								
Iron	40000	41500	103.8	40000	41400	103.5	40000	41900	104.8
Lead	anr								
Magnesium	40000	41000	102.5	40000	40800	102.0	40000	41200	103.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	2030	101.5	2000	2010	100.5	2000	2060	103.0
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10565 Units: ug/l

Time:		16:12			16:40			17:33	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	42000	105.0	40000	40000	100.0	40000	40100	100.3
Antimony	2000	2060	103.0	2000	2010	100.5	2000	1980	99.0
Arsenic	2000	2060	103.0	2000	2010	100.5	2000	1990	99.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2100	105.0	2000	2040	102.0	2000	2020	101.0
Calcium	40000	42600	106.5	40000	40600	101.5	40000	40500	101.3
Chromium	2000	2130	106.5	2000	1990	99.5	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	40000	42700	106.8	40000	40700	101.8	40000	40800	102.0
Lead	anr								
Magnesium	40000	42000	105.0	40000	40200	100.5	40000	39900	99.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	2070	103.5	2000	2010	100.5	2000	2000	100.0
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10565 Units: ug/l

Time:		18:26			19:20			20:14	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	39800	99.5	40000	39400	98.5
Antimony	2000	2000	100.0	2000	2000	100.0	2000	2020	101.0
Arsenic	2000	2010	100.5	2000	1990	99.5	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2040	102.0	2000	2050	102.5
Calcium	40000	40300	100.8	40000	40700	101.8	40000	40800	102.0
Chromium	2000	2010	100.5	2000	2040	102.0	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Iron	40000	40500	101.3	40000	40600	101.5	40000	40600	101.5
Lead	anr								
Magnesium	40000	39900	99.8	40000	40300	100.8	40000	40300	100.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	2000	2010	100.5	2000	2000	100.0	2000	2020	101.0
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10565 Units: ug/l

Time:		20:41	
Sample ID:	CCV	CCV15	
Metal	True	Results	% Rec
Aluminum	40000	39700	99.3
Antimony	2000	2010	100.5
Arsenic	2000	2010	100.5
Barium	anr		
Beryllium	anr		
Cadmium	2000	2050	102.5
Calcium	40000	40900	102.3
Chromium	2000	2050	102.5
Cobalt	anr		
Copper	anr		
Iron	40000	40700	101.8
Lead	anr		
Magnesium	40000	40600	101.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	2000	2010	100.5
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10565 Units: ug/l

Time:		08:12	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80600	100.8
Antimony	4000	4060	101.5
Arsenic	4000	4080	102.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	4010	100.3
Calcium	80000	81300	101.6
Chromium	4000	4000	100.0
Cobalt	anr		
Copper	anr		
Iron	80000	80700	100.9
Lead	anr		
Magnesium	80000	81300	101.6
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	4000	4070	101.8
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10565 Units: ug/l

Time:			08:33		20:27	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	199	99.5	218	109.0
Antimony	10	5.0	4.9	98.0	4.3	86.0
Arsenic	20	10	10.6	106.0	10.7	107.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.2	104.0	5.4	108.0
Calcium	2000	1000	1020	102.0	1100	110.0
Chromium	20	10	10.1	101.0	11.1	111.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	314	104.7	403	134.3*(a
Lead	10	5.0	anr			
Magnesium	10000	5000	4840	96.8	4850	97.0
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	9.2	92.0	9.8	98.0
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible instrument baseline drift.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA022613M1.ICP Date Analyzed: 02/26/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10565 Units: ug/l

Time:			08:40		08:50		20:32		20:37	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	540000	108.0	523000	104.6	528000	105.6	520000	104.0
Antimony		1000	1.7		1020	102.0	0.80		1030	103.0
Arsenic		1000	0.0		1020	102.0	-1.5		1020	102.0
Barium		500	-0.60		549	109.8	-0.30		543	108.6
Beryllium		500	0.0		539	107.8	-0.10		528	105.6
Cadmium		1000	0.10		959	95.9	1.6		952	95.2
Calcium	500000	500000	537000	107.4	522000	104.4	513000	102.6	504000	100.8
Chromium		500	0.0		505	101.0	1.3		488	97.6
Cobalt		500	-0.90		472	94.4	-0.80		469	93.8
Copper		500	0.0		582	116.4	-0.30		579	115.8
Iron	200000	200000	202000	101.0	187000	93.5	195000	97.5	182000	91.0
Lead		1000	0.0		966	96.6	1.2		952	95.2
Magnesium	500000	500000	552000	110.4	538000	107.6	532000	106.4	525000	105.0
Manganese		500	-0.10		521	104.2	0.0		505	101.0
Molybdenum		1000	0.50		957	95.7	1.1		953	95.3
Nickel		1000	-0.40		942	94.2	-0.40		937	93.7
Potassium			-30		-24		6.1		14.8	
Selenium		1000	0.10		984	98.4	4.3		1000	100.0
Silver		1000	-0.50		1070	107.0	-0.10		1060	106.0
Sodium			42.6		71.0		61.2		101	
Strontium		1000	4.3		1110	111.0	4.2		1090	109.0
Thallium		1000	0.0		936	93.6	1.9		931	93.1
Tin		1000	0.70		928	92.8	0.20		920	92.0
Titanium		1000	-2.8		1050	105.0	-2.9		1030	103.0
Vanadium		500	0.0		543	108.6	-0.50		528	105.6
Zinc		1000	-0.40		980	98.0	-0.20		974	97.4

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10570
Parameters: K,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:44	MA10570-STD1	1		STDA
07:48	MA10570-STD2	1		STDB
07:51	MA10570-STD3	1		STDC
07:55	MA10570-STD4	1		STDD
08:00	MA10570-HSTD1	1		
08:09	MA10570-ICV1	1		
08:16	MA10570-ICB1	1		
08:20	MA10570-CRIA1	1		
08:30	MA10570-ICSA1	1		
08:36	MA10570-ICSAB1	1		
08:46	MA10570-CCV1	1		
08:53	MA10570-CCB1	1		
10:17	MA10570-CCV2	1		
10:24	MA10570-CCB2	1		
10:29	MP24687-MB1	1		
10:33	MP24687-B1	1		
10:37	FA2109-1	1		(sample used for QC only; not part of login FA1988)
10:41	MP24687-D1	1		
10:45	MP24687-SD1	5		
10:49	MP24687-PS1	1		
10:53	MP24687-S1	1		
10:57	MP24687-S2	1		
11:01	ZZZZZZ	1		
11:09	MA10570-CCV3	1		
11:13	MA10570-CCB3	1		
11:18	ZZZZZZ	1		
11:22	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:30	ZZZZZZ	1		
11:34	ZZZZZZ	1		
11:38	ZZZZZZ	5		
11:43	ZZZZZZ	5		
11:47	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10570
Parameters: K,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:52	ZZZZZZ	5		
11:56	ZZZZZZ	5		
12:09	MA10570-CCV4	1		
12:18	MA10570-CCB4	1		
14:26	MA10570-CCV5	1		
14:43	MA10570-CCB5	1		
14:56	ZZZZZZ	5		
15:01	ZZZZZZ	5		
15:05	ZZZZZZ	5		
15:10	ZZZZZZ	5		
15:14	ZZZZZZ	5		
15:19	ZZZZZZ	5		
15:23	ZZZZZZ	5		
15:27	ZZZZZZ	4		
15:32	FA1988-1F	20		
---------->	Last reportable sample/prep for job FA1988			
15:36	FA2074-1	5		(sample used for QC only; not part of login FA1988)
15:40	MA10570-CCV6	1		
15:44	MA10570-CCB6	1		
15:48	MP24678-D1	5		
15:53	MP24678-S1	5		
15:57	MP24678-S2	5		
16:01	MP24678-PS1	5		
16:05	MP24678-SD1	25		
16:18	ZZZZZZ	10		
16:22	MP24684-MB1	1		
16:26	ZZZZZZ	1		
16:30	MA10570-CCV7	1		
16:34	MA10570-CCB7	1		
16:38	MA10570-CRIA2	1		
16:42	MA10570-ICSA2	1		
16:47	MA10570-ICSAB2	1		
16:51	MA10570-CCV8	1		
16:55	MA10570-CCB8	1		
---------->	Last reportable CCB for job FA1988			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10570
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:44	MA10570-STD1	6359	41304	8970	3077
07:48	MA10570-STD2	6179	39901	8851	2803
07:51	MA10570-STD3	5969	38202	8706	2538
07:55	MA10570-STD4	5811	37425	8692	2327
08:00	MA10570-HSTD1	5760	37696	8712	2343
08:09	MA10570-ICV1	5968	38235	8703	2516
08:16	MA10570-ICB1	6330 R	40965 R	8981 R	3011 R
08:20	MA10570-CRIA1	6201	40101	8777	2852
08:30	MA10570-ICSA1	5453	34447	8391	2183
08:36	MA10570-ICSAB1	5457	34608	8513	2164
08:46	MA10570-CCV1	6019	38617	8688	2488
08:53	MA10570-CCB1	6293	40809	8841	2986
10:17	MA10570-CCV2	6260	38429	8820	2439
10:24	MA10570-CCB2	6628	40799	8965	2931
10:29	MP24687-MB1	6669	41478	9037	2929
10:33	MP24687-B1	6483	39982	8957	2621
10:37	FA2109-1	6947	43046	9338	2921
10:41	MP24687-D1	6885	42408	9220	2901
10:45	MP24687-SD1	6706	41267	8968	2921
10:49	MP24687-PS1	6747	41855	9192	2779
10:53	MP24687-S1	6567	40577	9167	2611
10:57	MP24687-S2	6579	40384	9112	2607
11:01	ZZZZZZ	9426	56527	12712	2680
11:09	MA10570-CCV3	6365	39628	8816	2513
11:13	MA10570-CCB3	6623	41753	8908	3075
11:18	ZZZZZZ	6654	41839	8917	2943
11:22	ZZZZZZ	6531	41957	8883	2950
11:26	ZZZZZZ	7046	45638	9733	2840
11:30	ZZZZZZ	8188 !	52337 !	11571 !	2639
11:34	ZZZZZZ	7790	48965	10733	2717
11:38	ZZZZZZ	5960	38597	8941	2247
11:43	ZZZZZZ	5491	36033	8456	2193
11:47	ZZZZZZ	5386	34467	8200	2140

INTERNAL STANDARD SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10570
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:52	ZZZZZZ	5635	36449	8511	2245
11:56	ZZZZZZ	5433	35338	8262	2234
12:09	MA10570-CCV4	6257	39422	8784	2529
12:18	MA10570-CCB4	6755	41771	8952	3074
14:26	MA10570-CCV5	5983	38757	8625	2570
14:43	MA10570-CCB5	6342	40480	8556	3073
14:56	ZZZZZZ	5387	35121	8244	2239
15:01	ZZZZZZ	5365	34441	8137	2203
15:05	ZZZZZZ	5444	34722	8185	2182
15:10	ZZZZZZ	5367	35123	8235	2182
15:14	ZZZZZZ	5327	34695	8173	2180
15:19	ZZZZZZ	5535	35666	8249	2260
15:23	ZZZZZZ	5327	34306	8104	2186
15:27	ZZZZZZ	6001	38779	8601	2701
15:32	FA1988-1F	6354	40792	9138	2595
15:36	FA2074-1	6140	38870	8682	2562
15:40	MA10570-CCV6	6130	39037	8602	2576
15:44	MA10570-CCB6	6268	40973	8613	3086
15:48	MP24678-D1	6045	39122	8694	2572
15:53	MP24678-S1	6098	38353	8593	2544
15:57	MP24678-S2	6089	38865	8697	2496
16:01	MP24678-PS1	5972	38779	8666	2532
16:05	MP24678-SD1	6181	40132	8585	2869
16:18	ZZZZZZ	7603	48847	10604	2760
16:22	MP24684-MB1	6391	41119	8736	3117
16:26	ZZZZZZ	6442	41132	8672	2971
16:30	MA10570-CCV7	6022	39019	8558	2576
16:34	MA10570-CCB7	6257	41131	8533	3090
16:38	MA10570-CRIA2	6234	39681	8436	2920
16:42	MA10570-ICSA2	5418	34195	8078	2184
16:47	MA10570-ICSAB2	5361	34531	8144	2176
16:51	MA10570-CCV8	6038	38842	8456	2578
16:55	MA10570-CCB8	6328	40308	8414	3077

R = Reference for ISTD limits. ! = Outside limits.

INTERNAL STANDARD SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10570
Parameters: K,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10570 Units: ug/l

Time:			08:16		08:53		10:24		11:13	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-12	<10000	10.0	<10000	23.9	<10000	33.4	<10000
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	7.8	<10000	20.5	<10000	9.3	<10000	6.5	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10570 Units: ug/l

Time:			12:18		14:43		15:44		16:34	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	38.2	<10000	3.9	<10000	-18	<10000	-31	<10000
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	6.4	<10000	-2.2	<10000	2.0	<10000	-3.0	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10570 Units: ug/l

Time:			16:55	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	15	anr	
Antimony	6.0	1.3	anr	
Arsenic	10	1.6	anr	
Barium	200	1	anr	
Beryllium	4.0	.5	anr	
Cadmium	5.0	.5	anr	
Calcium	1000	50	anr	
Chromium	10	1.8	anr	
Cobalt	50	.5		
Copper	25	1	anr	
Iron	300	29	anr	
Lead	5.0	1.1	anr	
Magnesium	5000	74	anr	
Manganese	15	.7	anr	
Molybdenum	50	.6		
Nickel	40	.5	anr	
Potassium	10000	200	-38	<10000
Selenium	10	2	anr	
Silver	10	.5	anr	
Sodium	10000	500	-18	<10000
Strontium	10	.5		
Thallium	10	1.3	anr	
Tin	50	.7		
Titanium	10	.9		
Vanadium	50	.5	anr	
Zinc	20	3	anr	

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10570 Units: ug/l

Time:		08:09			08:46			10:17	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41000	102.5	40000	40300	100.8	40000	41700	104.3
Selenium	anr								
Silver	anr								
Sodium	40000	41300	103.3	40000	41300	103.3	40000	41300	103.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10570 Units: ug/l

Time:		11:09			12:09			14:26	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	42400	106.0	40000	42600	106.5	40000	39800	99.5
Selenium	anr								
Silver	anr								
Sodium	40000	41300	103.3	40000	40900	102.3	40000	39500	98.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10570 Units: ug/l

Time:		15:40			16:30			16:51	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	38500	96.3	40000	39500	98.8	40000	39700	99.3
Selenium	anr								
Silver	anr								
Sodium	40000	39200	98.0	40000	39700	99.3	40000	39500	98.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10570 Units: ug/l

Time:		08:00	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80600	100.8
Selenium	anr		
Silver	anr		
Sodium	80000	79600	99.5
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10570 Units: ug/l

Time:			08:20		16:38	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	anr			
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9990	99.9	9750	97.5
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	10100	101.0	9860	98.6
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB022713M1.ICP Date Analyzed: 02/27/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10570 Units: ug/l

Time:			08:30		08:36		16:42		16:47	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	521000	104.2	509000	101.8	510000	102.0	500000	100.0
Antimony		1000	-0.20		1020	102.0	-0.60		1020	102.0
Arsenic		1000	-1.8		1010	101.0	-3.2		1020	102.0
Barium		500	-0.50		529	105.8	-0.40		523	104.6
Beryllium		500	-0.30		507	101.4	-0.40		502	100.4
Cadmium		1000	0.0		969	96.9	1.2		968	96.8
Calcium	500000	500000	496000	99.2	481000	96.2	487000	97.4	477000	95.4
Chromium		500	-0.40		500	100.0	-0.30		493	98.6
Cobalt		500	0.30		478	95.6	0.10		476	95.2
Copper		500	0.0		543	108.6	0.20		539	107.8
Iron	200000	200000	192000	96.0	177000	88.5	178000	89.0	166000	83.0
Lead		1000	0.50		965	96.5	4.5		970	97.0
Magnesium	500000	500000	497000	99.4	481000	96.2	490000	98.0	480000	96.0
Manganese		500	0.30		503	100.6	0.10		500	100.0
Molybdenum		1000	-0.10		952	95.2	-0.40		925	92.5
Nickel		1000	-0.30		941	94.1	-1.2		951	95.1
Potassium			4.9		37.4		-11		-12	
Selenium		1000	0.40		998	99.8	-0.60		1010	101.0
Silver		1000	-0.30		1080	108.0	0.10		1080	108.0
Sodium			69.3		120		51.1		72.8	
Strontium		1000	4.6		1060	106.0	3.9		990	99.0
Thallium		1000	0.50		951	95.1	0.0		946	94.6
Tin		1000	-0.10		919	91.9	-0.20		871	87.1
Titanium		1000	-2.7		1020	102.0	-2.6		956	95.6
Vanadium		500	-0.20		533	106.6	-0.50		488	97.6
Zinc		1000	-0.90		952	95.2	2.1		976	97.6

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24662
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/22/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	8.0	<200
Antimony	6.0	1.3	1.3	-0.40	<6.0
Arsenic	10	1.6	2.5	-1.1	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.20	<5.0
Calcium	1000	50	50	5.5	<1000
Chromium	10	1.8	2	0.20	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-4.2	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	-2.6	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-29	<10000
Selenium	10	2	2	-0.40	<10
Silver	10	.5	.5		
Sodium	10000	500	500	2.1	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3		
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1		
Zinc	20	3	5		

Associated samples MP24662: FA1988-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24662
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			02/22/13					02/22/13	
Metal	FA1983-1 Original	DUP	RPD	QC Limits	FA1983-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	65.8	72.4	9.6	0-20	65.8	29700	27000	109.8	80-120
Antimony	0.0	0.0	NC	0-20	0.0	523	500	104.6	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2040	2000	102.0	80-120
Barium									
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	53.0	50	106.0	80-120
Calcium	4000	3970	0.8	0-20	4000	31600	25000	110.4	80-120
Chromium	0.0	0.0	NC	0-20	0.0	222	200	111.0	80-120
Cobalt									
Copper									
Iron	117	114	2.6	0-20	117	28000	26000	107.2	80-120
Lead	anr								
Magnesium	1350	1350	0.0	0-20	1350	28000	25000	106.6	80-120
Manganese	anr								
Molybdenum									
Nickel									
Potassium	405	389	4.0	0-20	405	27400	25000	108.0	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2060	2000	103.0	80-120
Silver									
Sodium	8760	8680	0.9	0-20	8760	36300	25000	110.2	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP24662: FA1988-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24662
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/22/13

Metal	FA1983-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	65.8	29300	27000	108.3	1.4	20
Antimony	0.0	503	500	100.6	3.9	20
Arsenic	0.0	1970	2000	98.5	3.5	20
Barium						
Beryllium						
Cadmium	0.0	51.1	50	102.2	3.7	20
Calcium	4000	31300	25000	109.2	1.0	20
Chromium	0.0	212	200	106.0	4.6	20
Cobalt						
Copper						
Iron	117	27700	26000	106.1	1.1	20
Lead	anr					
Magnesium	1350	27700	25000	105.4	1.1	20
Manganese	anr					
Molybdenum						
Nickel						
Potassium	405	27000	25000	106.4	1.5	20
Selenium	0.0	1990	2000	99.5	3.5	20
Silver						
Sodium	8760	36100	25000	109.4	0.6	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP24662: FA1988-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24662
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/22/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	29600	27000	109.6	80-120
Antimony	518	500	103.6	80-120
Arsenic	2010	2000	100.5	80-120
Barium				
Beryllium				
Cadmium	52.3	50	104.6	80-120
Calcium	27700	25000	110.8	80-120
Chromium	217	200	108.5	80-120
Cobalt				
Copper				
Iron	28100	26000	108.1	80-120
Lead	anr			
Magnesium	26800	25000	107.2	80-120
Manganese	anr			
Molybdenum				
Nickel				
Potassium	27200	25000	108.8	80-120
Selenium	2040	2000	102.0	80-120
Silver				
Sodium	27700	25000	110.8	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24662: FA1988-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24662
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/22/13

Metal	FA1983-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	65.8	75.6	14.9 (a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium				
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	4000	4480	11.9*(b)	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper				
Iron	117	0.00	100.0(a)	0-10
Lead	anr			
Magnesium	1350	1420	5.5	0-10
Manganese	anr			
Molybdenum				
Nickel				
Potassium	405	0.00	100.0(a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	8760	9030	3.1	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24662: FA1988-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24662
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/22/13

Metal	Sample ml	Final ml	FA1983-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	65.8	64.484	2653	0.2	125	2500	103.5	80-120
Antimony	9.8	10	0	0	97.8	0.2	5	100	97.8	80-120
Arsenic	9.8	10	0	0	97.7	0.2	5	100	97.7	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	52.3	0.2	2.5	50	104.6	80-120
Calcium	9.8	10	4003	3922.94	10120	0.2	250	5000	123.9*(a	80-120
Chromium	9.8	10	0	0	54.1	0.2	2.5	50	108.2	80-120
Cobalt										
Copper										
Iron	9.8	10	116.7	114.366	3219	0.2	150	3000	103.5	80-120
Lead										
Magnesium	9.8	10	1345	1318.1	6453	0.2	250	5000	102.7	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	404.8	396.704	10640	0.2	500	10000	102.4	80-120
Selenium	9.8	10	0	0	98.5	0.2	5	100	98.5	80-120
Silver										
Sodium	9.8	10	8761	8585.78	19310	0.2	500	10000	107.2	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24662: FA1988-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN54412	5.0	0.80	mg/l	250	248	99.4	90-113%
Chloride	GP21044/GN54298	2.0	0.0	mg/l	50	50.7	101.4	90-110%
Fluoride	GP21044/GN54298	0.20	0.0	mg/l	2.5	2.43	97.2	90-110%
Nitrogen, Nitrate	GP21044/GN54298	0.10	0.0	mg/l	2.5	2.41	96.4	90-110%
Nitrogen, Nitrite	GP21044/GN54298	0.10	0.0	mg/l	2.5	2.48	99.2	90-110%
Phosphate, Ortho	GP21035/GN54276	0.10	0.0	mg/l	.300	0.28	93.7	83-116%
Phosphorus, Total	GP21064/GN54360	0.10	0.0	mg/l	.300	0.29	95.5	81-118%
Solids, Total Dissolved	GN54487	100	11.0	mg/l				
Specific Conductivity	GN54277	1.0	0.0	umhos/cm				
Sulfate	GP21044/GN54298	2.0	0.0	mg/l	50	51.0	102.0	90-110%

Associated Samples:
Batch GN54277: FA1988-1
Batch GN54412: FA1988-1
Batch GN54487: FA1988-1
Batch GP21035: FA1988-1F
Batch GP21044: FA1988-1
Batch GP21064: FA1988-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN54412	FA1867-12	mg/l	275	271	1.6	0-20%
Phosphate, Ortho	GP21035/GN54276	FA1988-1F	mg/l	1680	1640	2.4	0-26%
Phosphorus, Total	GP21064/GN54360	FA2110-1	mg/l	0.074	0.074	0.0	0-22%
Solids, Total Dissolved	GN54487	FA1988-1	mg/l	72000	50300	35.0*(a)	0-5%
Specific Conductivity	GN54277	FA1978-4	umhos/cm	1850	1850	0.3	0-10%
pH	GN54278	FA1988-1	su	2.10	2.07	1.4	0-10%

Associated Samples:
Batch GN54277: FA1988-1
Batch GN54278: FA1988-1
Batch GN54412: FA1988-1
Batch GN54487: FA1988-1
Batch GP21035: FA1988-1F
Batch GP21064: FA1988-1
(*) Outside of QC limits
(a) Outside control limits.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN54412	FA1867-12	mg/l	275	250	517	96.6	90-113%
Chloride	GP21044/GN54298	FA1968-15	mg/l	27.9	50	75.9	96.0	90-110%
Fluoride	GP21044/GN54298	FA1968-15	mg/l	0.66	2.5	2.8	85.6N	90-110%
Nitrogen, Nitrate	GP21044/GN54298	FA1968-15	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Nitrogen, Nitrite	GP21044/GN54298	FA1968-15	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Phosphate, Ortho	GP21035/GN54276	FA1988-1F	mg/l	1680	.300	1680	0.0(a)	83-116%
Phosphorus, Total	GP21064/GN54360	FA2110-1	mg/l	0.074	.300	0.42	115.0	81-118%
Sulfate	GP21044/GN54298	FA1968-15	mg/l	0.60 U	50	46.5	93.0	90-110%

Associated Samples:
Batch GN54412: FA1988-1
Batch GP21035: FA1988-1F
Batch GP21044: FA1988-1
Batch GP21064: FA1988-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP21044/GN54298	FA1968-15	mg/l	27.9	50	75.9	0.0	
Fluoride	GP21044/GN54298	FA1968-15	mg/l	0.66	2.5	2.8	0.0N	
Nitrogen, Nitrate	GP21044/GN54298	FA1968-15	mg/l	0.050 U	2.5	2.4	0.0	
Nitrogen, Nitrite	GP21044/GN54298	FA1968-15	mg/l	0.050 U	2.5	2.4	0.0	
Phosphate, Ortho	GP21035/GN54276	FA1988-1F	mg/l	1680	.300	1700	1.2	26%
Phosphorus, Total	GP21064/GN54360	FA2110-1	mg/l	0.074	.300	0.408	3.1	22%
Sulfate	GP21044/GN54298	FA1968-15	mg/l	0.60 U	50	48.3	3.8	

Associated Samples:
Batch GP21035: FA1988-1F
Batch GP21044: FA1988-1
Batch GP21064: FA1988-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 302221301.TXT Date Analyzed: 02/22/13 Methods: EPA 300/SW846 9056A
Analyst: AR Run ID: GN54298
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:52	GN54298-CCV1	1		
10:07	GN54298-CCB1	1		
10:23	GP21044-MB1	1		
10:39	GP21044-B1	1		
11:27	FA1968-15	1		(sample used for QC only; not part of login FA1988)
11:43	FA1968-16	1		(sample used for QC only; not part of login FA1988)
11:58	ZZZZZZ	5		
12:14	ZZZZZZ	25		
12:30	GN54298-CCV2	1		
12:46	GN54298-CCB2	1		
13:02	FA1988-1	100		
14:12	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:44	ZZZZZZ	1		
15:00	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:31	ZZZZZZ	1		
15:47	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:19	ZZZZZZ	1		
16:35	GN54298-CCV3	1		
16:51	GN54298-CCB3	1		
17:07	ZZZZZZ	1		
17:23	ZZZZZZ	1		
17:38	ZZZZZZ	1		
17:54	ZZZZZZ	1		
18:10	ZZZZZZ	1		
18:26	ZZZZZZ	1		
18:42	GP21044-S1	1		
18:58	GP21044-S2	1		
19:14	GP21044-S3	1		
19:30	GP21044-S4	1		
19:45	GN54298-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 302221301.TXT Date Analyzed: 02/22/13 Methods: EPA 300/SW846 9056A
Analyst: AR Run ID: GN54298
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:01	GN54298-CCB4	1		
20:17	ZZZZZZ	10		
20:49	FA1988-1	500		
21:05	GN54298-CCV5	1		
21:21	GN54298-CCB5	1		
21:37	FA1920-7	5		(sample used for QC only; not part of login FA1988)
21:53	ZZZZZZ	5		
22:09	ZZZZZZ	1		
22:24	ZZZZZZ	5		
22:40	ZZZZZZ	5		
22:56	ZZZZZZ	5		
23:12	ZZZZZZ	1		
23:28	ZZZZZZ	1		
23:44	ZZZZZZ	1		
00:00	ZZZZZZ	1		
00:16	GN54298-CCV6	1		
00:32	GN54298-CCB6	1		
00:48	GP21045-S3	5		
01:03	GP21045-S4	5		
01:19	GN54298-CCV7	1		
01:35	GN54298-CCB7	1		
01:51	GP21045-MB1	1		
02:07	GP21045-B1	1		
02:23	FA1920-77	1		(sample used for QC only; not part of login FA1988)
02:39	ZZZZZZ	1		
02:55	ZZZZZZ	1		
03:11	ZZZZZZ	1		
03:26	ZZZZZZ	1		
03:42	ZZZZZZ	1		
03:58	ZZZZZZ	1		
04:14	ZZZZZZ	1		
04:30	GN54298-CCV8	1		
04:46	GN54298-CCB8	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 302221301.TXT Date Analyzed: 02/22/13 Methods: EPA 300/SW846 9056A
Analyst: AR Run ID: GN54298
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:02	ZZZZZZ	1		
05:18	GP21045-S1	1		
05:34	GP21045-S2	1		
05:50	GN54298-CCV9	1		
06:05	GN54298-CCB9	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 302221301.TXT Date Analyzed: 02/22/13 Methods: EPA 300/SW846 9056A
Run ID: GN54298 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54298-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54298-CCV1	Chloride	50.7	2.0	0.80	50	101.4	90-110
GN54298-CCV1	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54298-CCV1	Sulfate	50.7	2.0	0.60	50	101.4	90-110
GN54298-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54298-CCB1	Chloride	0.80 U	2.0	0.80			
GN54298-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54298-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54298-CCV2	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54298-CCV2	Chloride	50.8	2.0	0.80	50	101.6	90-110
GN54298-CCV2	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54298-CCV2	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54298-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54298-CCB2	Chloride	0.80 U	2.0	0.80			
GN54298-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54298-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54298-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54298-CCV3	Chloride	50.8	2.0	0.80	50	101.6	90-110
GN54298-CCV3	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54298-CCV3	Sulfate	50.3	2.0	0.60	50	100.6	90-110
GN54298-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54298-CCB3	Chloride	0.80 U	2.0	0.80			
GN54298-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54298-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54298-CCV4	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54298-CCV4	Chloride	50.7	2.0	0.80	50	101.4	90-110
GN54298-CCV4	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54298-CCV4	Sulfate	50.3	2.0	0.60	50	100.6	90-110
GN54298-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54298-CCB4	Chloride	0.80 U	2.0	0.80			
GN54298-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54298-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54298-CCV5	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54298-CCV5	Chloride	50.8	2.0	0.80	50	101.6	90-110
GN54298-CCV5	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54298-CCV5	Sulfate	49.2	2.0	0.60	50	98.4	90-110
GN54298-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54298-CCB5	Chloride	0.80 U	2.0	0.80			
GN54298-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54298-CCB5	Sulfate	0.74	2.0	0.60			
GN54298-CCV6	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54298-CCV6	Chloride	50.7	2.0	0.80	50	101.4	90-110
GN54298-CCV6	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54298-CCV6	Sulfate	50.3	2.0	0.60	50	100.6	90-110
GN54298-CCB6	Fluoride	0.060 U	0.20	0.060			
GN54298-CCB6	Chloride	0.80 U	2.0	0.80			
GN54298-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54298-CCB6	Sulfate	0.60 U	2.0	0.60			
GN54298-CCV7	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54298-CCV7	Chloride	50.8	2.0	0.80	50	101.6	90-110
GN54298-CCV7	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54298-CCV7	Sulfate	50.2	2.0	0.60	50	100.4	90-110
GN54298-CCB7	Fluoride	0.060 U	0.20	0.060			
GN54298-CCB7	Chloride	0.80 U	2.0	0.80			
GN54298-CCB7	Nitrogen, Nitrate	0.050 U	0.10	0.050			

Instrument QC Summary
Inorganics Analyses

Login Number: FA1988
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 302221301.TXT Date Analyzed: 02/22/13 Methods: EPA 300/SW846 9056A
Run ID: GN54298 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54298-CCB7	Sulfate	0.60 U	2.0	0.60			
GN54298-CCV8	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54298-CCV8	Chloride	50.8	2.0	0.80	50	101.6	90-110
GN54298-CCV8	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54298-CCV8	Sulfate	50.3	2.0	0.60	50	100.6	90-110
GN54298-CCB8	Fluoride	0.060 U	0.20	0.060			
GN54298-CCB8	Chloride	0.80 U	2.0	0.80			
GN54298-CCB8	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54298-CCB8	Sulfate	0.60 U	2.0	0.60			
GN54298-CCV9	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54298-CCV9	Chloride	50.7	2.0	0.80	50	101.4	90-110
GN54298-CCV9	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54298-CCV9	Sulfate	50.4	2.0	0.60	50	100.8	90-110
GN54298-CCB9	Fluoride	0.060 U	0.20	0.060			
GN54298-CCB9	Chloride	0.80 U	2.0	0.80			
GN54298-CCB9	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54298-CCB9	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

Reissue #1
03/20/13

Technical Report for

WSP Environment & Energy

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

36785.01

Accutest Job Number: FA2218

Sampling Date: 02/27/13

Report to:

WSP Environment & Energy

brian.kelly@wspgroup.com
tim.huff@wspgroup.com; isaac.pelz@wspgroup.com; steve.dawson@wspgroup.com
ATTN: Tim Huff

Total number of pages in report: **66**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

March 19, 2013

Mr. Tim Huff
WSP Environment & Energy
205 West Park St
Jackson, MO 63755

RE: Accutest job FA2218 Reissue

Dear Mr. Huff,

The final report for job number FA2218 been edited to reflect the following corrections. These edits have been incorporated into the revised report.

The metals results have been reported as total metals.

Accutest apologizes for any inconvenience this may have caused. Please feel free to contact us if we can be of further assistance.

Sincerely,

Accutest Laboratories, SE

Florida ♦ 4405 Vineland Road ♦ Suite C-15 ♦ Orlando, FL 32811 ♦ tel: 407 425-6700 ♦ fax: 407 425-0707 ♦ htpp:/www.accutest.com

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Sample Summary

WSP Environment & Energy

Job No: FA2218

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Project No: 36785.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA2218-1	02/27/13	15:10	TP	03/01/13	AQ	Ground Water	A-34-022
FA2218-1F	02/27/13	15:10	TP	03/01/13	AQ	Ground Water	A-34-022

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA2218

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 3/18/2013 6:56:37 PM

1 Sample was collected on 02/27/2013 and was received at Accutest SE on 03/01/2013 properly preserved, at 3.2 Deg. C and intact. The Sample received an Accutest job number of FA2218. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP24724

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2330-1DUP, FA2330-1MS, FA2330-1MSD, FA2330-1PS, FA2330-1SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Antimony are outside control limits for sample MP24724-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Arsenic, Chromium, Potassium are outside control limits for sample MP24724-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24724-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA2218-1F for Chromium: Elevated reporting limit(s) due to matrix interference.

FA2218-1F for Calcium: Elevated reporting limit(s) due to matrix interference.

FA2218-1F for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA2218-1F for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA2218-1F for Antimony: Elevated reporting limit(s) due to matrix interference.

FA2218-1F for Selenium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54385

All method blanks for this batch meet method specific criteria.

Sample(s) FA2214-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA2218-1. Sample received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21090

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2040-9MS, FA2040-9MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate, Fluoride.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Fluoride are outside control limits. Spike recovery indicates possible matrix interference. For method performance in a clean matrix, refer to Blank Spike.

FA2218-1 for Chloride: Dilution required due to matrix interference.

FA2218-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21087

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2214-2FDUP, FA2214-2FMS, FA2214-2FMSD were used as the QC samples for Phosphate, Ortho.

Matrix Spike/Matrix Spike Duplicate Recoveries for Phosphate, Ortho: Spike recovery indicates possible matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Matrix: AQ **Batch ID:** GP21138

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2417-1DUP, FA2417-1MS, FA2417-1MSD were used as the QC samples for Phosphorus, Total.

Wet Chemistry By Method SM 4500H B/SW 9040C

Matrix: AQ **Batch ID:** GN54391

Sample(s) FA2213-1DUP was used as the QC sample for pH.

FA2218-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54501

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2214-2DUP, FA2214-2MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54469

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2272-4DUP was used as the QC samples for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: March 18, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA2218
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 02/27/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2218-1	**A-34-022**					
Chloride [a]		92.0 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		2230	100	30	mg/l	EPA 300/SW846 9056A
Phosphate, Ortho		2950	1000	190	mg/l	EPA 365.3
Phosphorus, Total		1960	500	140	mg/l	EPA 365.3
Solids, Total Dissolved		18300	100	10	mg/l	SM19 2540C
Specific Conductivity [b]		16000	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		13400	1000	300	mg/l	EPA 300/SW846 9056A
pH [c]		2.02			su	SM 4500H B/SW 9040C
FA2218-1F	**A-34-022**					
Aluminum		1380000	1000	75	ug/l	SW846 6010C
Arsenic [d]		230	50	13	ug/l	SW846 6010C
Cadmium [d]		3290	25	2.5	ug/l	SW846 6010C
Calcium [d]		523000	5000	250	ug/l	SW846 6010C
Chromium [d]		3150	50	10	ug/l	SW846 6010C
Iron		1580000	1500	150	ug/l	SW846 6010C
Magnesium		1020000	25000	370	ug/l	SW846 6010C
Potassium		478000	100000	2000	ug/l	SW846 6010C
Selenium [d]		61.6	50	10	ug/l	SW846 6010C
Sodium		849000	100000	5000	ug/l	SW846 6010C
Phosphate, Ortho		2950	1000	200	mg/l	EPA 365.3

(a) Dilution required due to matrix interference.
(b) Sample received outside the holding time.
(c) Field analysis required. Received out of hold time and analyzed by request.
(d) Elevated reporting limit(s) due to matrix interference.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA2218-1	**Date Sampled:**	02/27/13
Matrix:	AQ - Ground Water	**Date Received:**	03/01/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	03/12/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/12/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	03/07/13 08:55	AC	SM19 2320B
Chloride [a]	92.0 J	200	80	mg/l	100	03/01/13 11:58	AA	EPA 300/SW846 9056A
Fluoride	2230	100	30	mg/l	500	03/01/13 19:54	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	03/01/13 11:58	AA	EPA 300/SW846 9056A
Phosphate, Ortho	2950	1000	190	mg/l	10000	03/01/13 13:25	LE	EPA 365.3
Phosphorus, Total	1960	500	140	mg/l	5000	03/11/13 10:30	LE	EPA 365.3
Solids, Total Dissolved	18300	100	10	mg/l	1	03/05/13	KC	SM19 2540C
Specific Conductivity [b]	16000	1.0	1.0	umhos/cm	1	03/01/13 13:23	HH	EPA 120.1
Sulfate	13400	1000	300	mg/l	500	03/01/13 19:54	AA	EPA 300/SW846 9056A
pH [c]	2.02			su	1	03/01/13 13:30	HH	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample received outside the holding time.
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA2218-1F	**Date Sampled:**	02/27/13
Matrix:	AQ - Ground Water	**Date Received:**	03/01/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1380000	1000	75	ug/l	5	03/06/13	03/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony [a]	6.5 U	30	6.5	ug/l	5	03/06/13	03/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic [a]	230	50	13	ug/l	5	03/06/13	03/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium [a]	3290	25	2.5	ug/l	5	03/06/13	03/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium [a]	523000	5000	250	ug/l	5	03/06/13	03/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium [a]	3150	50	10	ug/l	5	03/06/13	03/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	1580000	1500	150	ug/l	5	03/06/13	03/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	1020000	25000	370	ug/l	5	03/06/13	03/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	478000	100000	2000	ug/l	10	03/06/13	03/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium [a]	61.6	50	10	ug/l	5	03/06/13	03/07/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	849000	100000	5000	ug/l	10	03/06/13	03/07/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10583
(2) Prep QC Batch: MP24724

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA2218-1F	**Date Sampled:**	02/27/13
Matrix:	AQ - Ground Water	**Date Received:**	03/01/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	2950	1000	200	mg/l	10000	03/01/13 13:25	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA2218 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: WSP ENV + ENG
Address: 205 W. Park St
City: JACKSON State: MO Zip: 63755
Project Contact: TIM HUFF E-mail: TIM.HUFF@WSPGROUP.COM
Phone#: 573-217-6759
Sampler(s) Name(s) (Printed): T. PARKE

Project Information

Project Name: AGRIUM
Street
City State
Project #
Fax #
Client Purchase Order #

Analytical Information: SEE ATTACHED

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	NaSO3	Analytical Information	Lab Use Only
1	A-34-022	022713	1510	TP	GW	4		X			X	X				X	

TURNAROUND TIME (Business Days)

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Approved By: / Rush Code

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	022713 1600	2	3 RP 03-04-13	930	4
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal In Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 3.2

FA2218: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA2218 CLIENT: WSP PROJECT: Agruim

DATE/TIME RECEIVED: 03-01-13 930 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8013 5708 0790

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.8
- [ ] CORRECTED TEMPS: 3.2

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE R Willm 03-01-13 REVIEWER SIGNATURE/DATE [signature] 03/01/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA2218: Chain of Custody
Page 2 of 3

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

Analyte List #2 (groundwater samples and groundwater sampling equipment blanks)

- total dissolved solids (TDS)
- Total metals - aluminum, antimony, arsenic, cadmium, calcium, chromium, iron, magnesium, potassium, selenium, and sodium
- chloride, fluoride, nitrate as N, and sulfate
- pH
- total phosphorous
- dissolved orthophosphate
- bicarbonate and carbonate alkalinity as $CaCO_3$
- specific conductance

NOTE – If turbidity at the time of sampling is greater than 50 NTU, collect dissolved metals sample and submit to laboratory ON HOLD for the same analyte list as the total metals sample.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10580
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:48	MA10580-STD1	1		STDA
07:52	MA10580-STD2	1		STDB
07:56	MA10580-STD3	1		STDC
08:01	MA10580-STD4	1		STDD
08:06	MA10580-HSTD1	1		
08:19	MA10580-ICV1	1		
08:28	MA10580-ICB1	1		
08:32	MA10580-CRIA1	1		
08:41	MA10580-ICSA1	1		
08:56	MA10580-ICSAB1	1		
09:01	MA10580-CCV1	1		
09:06	MA10580-CCB1	1		
09:11	MP24723-MB1	1		
09:16	MP24723-B1	1		
09:20	FA2208-5	5		(sample used for QC only; not part of login FA2218)
09:25	MP24723-D1	5		
09:30	MP24723-SD1	25		
09:34	MP24723-PS1	5		
09:39	MP24723-S1	5		
09:44	MP24723-S2	5		
09:48	ZZZZZZ	5		
09:53	ZZZZZZ	5		
09:58	MA10580-CCV2	1		
10:02	MA10580-CCB2	1		
10:07	ZZZZZZ	5		
10:12	ZZZZZZ	5		
10:16	ZZZZZZ	5		
10:21	ZZZZZZ	5		
10:26	ZZZZZZ	5		
10:31	ZZZZZZ	5		
10:35	ZZZZZZ	5		
10:40	ZZZZZZ	5		
10:45	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10580
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	10:50	ZZZZZZ	5		
	10:54	MA10580-CCV3	1		
	10:59	MA10580-CCB3	1		
	11:26	MA10580-CCV4	1		
	11:31	MA10580-CCB4	1		
	11:35	ZZZZZZ	5		
	11:39	ZZZZZZ	5		
	11:44	ZZZZZZ	5		
	11:49	ZZZZZZ	5		
	11:54	ZZZZZZ	5		
	11:58	ZZZZZZ	5		
	12:03	ZZZZZZ	5		
	12:08	MP24724-MB1	1		
	12:12	MP24724-B1	1		
	12:17	FA2330-1	1		(sample used for QC only; not part of login FA2218)
	12:21	MA10580-CCV5	1		
	12:26	MA10580-CCB5	1		
	12:30	MP24724-D1	1		
	12:35	MP24724-SD1	5		
	12:39	MP24724-PS1	1		
	12:43	MP24724-S1	1		
	12:48	MP24724-S2	1		
---------->	Last reportable sample/prep for job FA2218				
	12:52	ZZZZZZ	1		
	12:56	ZZZZZZ	1		
	13:01	ZZZZZZ	1		
	13:05	ZZZZZZ	1		
	13:10	ZZZZZZ	1		
	13:14	MA10580-CCV6	1		
	13:19	MA10580-CCB6	1		
	13:23	ZZZZZZ	1		
	13:28	ZZZZZZ	1		
	13:38	ZZZZZZ	1		
	13:43	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10580
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:47	ZZZZZZ	1		
	13:52	ZZZZZZ	1		
	13:57	MA10580-CRIA2	1		
	14:01	MA10580-ICSA2	1		
	14:06	MA10580-ICSAB2	1		
	14:11	MA10580-CCV7	1		
	14:15	MA10580-CCB7	1		
---------->	Last reportable CCB for job FA2218				
	14:19	MA10580-CCV8	1		
	14:24	MA10580-CCB8	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10580
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:48	MA10580-STD1	2264	15857	10381	1169
07:52	MA10580-STD2	2263	15916	10379	1147
07:56	MA10580-STD3	2217	15908	10154	1092
08:01	MA10580-STD4	2103	15592	9900	995
08:06	MA10580-HSTD1	2113	15759	10013	998
08:19	MA10580-ICV1	2166	15582	10086	1047
08:28	MA10580-ICB1	2272 R	15490 R	10138 R	1162 R
08:32	MA10580-CRIA1	2236	15575	9884	1154
08:41	MA10580-ICSA1	1989	14702	9564	943
08:56	MA10580-ICSAB1	1997	14572	9596	923
09:01	MA10580-CCV1	2164	15419	10002	1037
09:06	MA10580-CCB1	2243	15454	9839	1156
09:11	MP24723-MB1	2213	15578	9998	1153
09:16	MP24723-B1	2174	15802	10013	1093
09:20	FA2208-5	2022	15540	9839	938
09:25	MP24723-D1	2010	15419	9913	929
09:30	MP24723-SD1	2137	15736	10114	1062
09:34	MP24723-PS1	2002	15182	9830	918
09:39	MP24723-S1	2057	15191	9680	942
09:44	MP24723-S2	2046	15307	9660	944
09:48	ZZZZZZ	2084	15701	9970	949
09:53	ZZZZZZ	2041	15675	10016	907
09:58	MA10580-CCV2	2136	15554	10098	1028
10:02	MA10580-CCB2	2216	15646	10253	1130
10:07	ZZZZZZ	1884	14711	9500	865
10:12	ZZZZZZ	1922	14751	9491	894
10:16	ZZZZZZ	1916	14808	9362	901
10:21	ZZZZZZ	1922	15029	9499	910
10:26	ZZZZZZ	1980	15306	9843	927
10:31	ZZZZZZ	1993	15360	9942	913
10:35	ZZZZZZ	1920	14695	9556	893
10:40	ZZZZZZ	1904	14627	9544	886
10:45	ZZZZZZ	1918	14525	9301	899

INTERNAL STANDARD SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10580
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:50	ZZZZZZ	2115	15728	10131	949
10:54	MA10580-CCV3	2087	15348	9926	1021
10:59	MA10580-CCB3	2168	15453	10118	1125
11:26	MA10580-CCV4	2069	15289	9887	1014
11:31	MA10580-CCB4	2146	15377	10079	1119
11:35	ZZZZZZ	1863	14521	9426	877
11:39	ZZZZZZ	1936	15070	9791	858
11:44	ZZZZZZ	1833	14286	9072	863
11:49	ZZZZZZ	2013	15381	9738	935
11:54	ZZZZZZ	1878	14858	9382	895
11:58	ZZZZZZ	2064	15880	10205	929
12:03	ZZZZZZ	1945	15092	9709	901
12:08	MP24724-MB1	2121	15347	10168	1107
12:12	MP24724-B1	2077	15191	9901	1051
12:17	FA2330-1	2096	15230	9814	1099
12:21	MA10580-CCV5	2038	15296	9783	1012
12:26	MA10580-CCB5	2116	15432	10026	1115
12:30	MP24724-D1	2084	15446	10123	1079
12:35	MP24724-SD1	2131	15518	10144	1110
12:39	MP24724-PS1	2090	15292	9855	1075
12:43	MP24724-S1	2030	15202	9699	1031
12:48	MP24724-S2	2023	15322	9821	1026
12:52	ZZZZZZ	2050	15428	9970	1072
12:56	ZZZZZZ	2061	15316	9904	1073
13:01	ZZZZZZ	2072	15055	9736	1095
13:05	ZZZZZZ	2029	15112	9626	1077
13:10	ZZZZZZ	2036	15444	9957	1077
13:14	MA10580-CCV6	2007	15116	9780	993
13:19	MA10580-CCB6	2115	15317	9965	1106
13:23	ZZZZZZ	1872	14704	9227	951
13:28	ZZZZZZ	1910	14940	9498	957
13:38	ZZZZZZ	1797	14392	9157	865
13:43	ZZZZZZ	1825	14423	9031	877

INTERNAL STANDARD SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10580
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:47	ZZZZZZ	1904	14990	9302	943
13:52	ZZZZZZ	1913	15078	9461	941
13:57	MA10580-CRIA2	2080	15477	9801	1095
14:01	MA10580-ICSA2	1882	14277	9100	906
14:06	MA10580-ICSAB2	1867	14181	8948	898
14:11	MA10580-CCV7	2014	15328	9570	1008
14:15	MA10580-CCB7	2094	15417	9763	1107
14:19	MA10580-CCV8	2028	15266	9654	1000
14:24	MA10580-CCB8	2088	15066	9450	1113

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10580 Units: ug/l

Time:			08:28		09:06		10:02		10:59	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	0.0	<200	15.3	<200	7.4	<200	8.0	<200
Antimony	6.0	1.3	0.10	<6.0	0.80	<6.0	0.0	<6.0	0.10	<6.0
Arsenic	10	1.6	-0.30	<10	-0.90	<10	0.70	<10	-0.80	<10
Barium	200	1								
Beryllium	4.0	.5								
Cadmium	5.0	.5	-0.20	<5.0	-0.10	<5.0	0.20	<5.0	0.0	<5.0
Calcium	1000	50	-5.8	<1000	8.4	<1000	64.5	<1000	69.5	<1000
Chromium	10	1.8	0.10	<10	0.50	<10	0.80	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	-3.6	<300	16.6	<300	16.4	<300	10.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	11.4	<5000	11.6	<5000	8.5	<5000	-10	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	-24	<10000	16.6	<10000	25.0	<10000	-9.3	<10000
Selenium	10	2	0.50	<10	1.3	<10	2.2	<10	0.0	<10
Silver	10	.5								
Sodium	10000	500	-6.5	<10000	7.6	<10000	13.1	<10000	5.3	<10000
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10580 Units: ug/l

Time:			11:31		12:26		13:19		14:15	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	7.9	<200	7.5	<200	6.0	<200	18.4	<200
Antimony	6.0	1.3	1.4	<6.0	0.90	<6.0	1.3	<6.0	0.80	<6.0
Arsenic	10	1.6	0.70	<10	0.50	<10	0.90	<10	0.30	<10
Barium	200	1								
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.10	<5.0	0.20	<5.0	0.30	<5.0	0.30	<5.0
Calcium	1000	50	9.4	<1000	34.1	<1000	24.8	<1000	34.0	<1000
Chromium	10	1.8	-0.40	<10	0.40	<10	0.0	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	14.6	<300	18.0	<300	15.9	<300	29.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	5.7	<5000	9.6	<5000	4.8	<5000	4.1	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	19.1	<10000	21.4	<10000	14.5	<10000	17.4	<10000
Selenium	10	2	1.1	<10	0.10	<10	0.60	<10	-0.80	<10
Silver	10	.5								
Sodium	10000	500	5.5	<10000	8.1	<10000	7.1	<10000	20.6	<10000
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10580 Units: ug/l

Time:		08:19			09:01			09:58	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41700	104.3	40000	41600	104.0	40000	41400	103.5
Antimony	2000	2070	103.5	2000	2040	102.0	2000	2070	103.5
Arsenic	2000	2040	102.0	2000	2040	102.0	2000	2070	103.5
Barium									
Beryllium									
Cadmium	2000	2090	104.5	2000	2090	104.5	2000	2110	105.5
Calcium	40000	42600	106.5	40000	42200	105.5	40000	42300	105.8
Chromium	2000	2110	105.5	2000	2100	105.0	2000	2080	104.0
Cobalt									
Copper	anr								
Iron	40000	41200	103.0	40000	41200	103.0	40000	41200	103.0
Lead	anr								
Magnesium	40000	39700	99.3	40000	41400	103.5	40000	40900	102.3
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	41400	103.5	40000	41500	103.8	40000	41400	103.5
Selenium	2000	2100	105.0	2000	2050	102.5	2000	2070	103.5
Silver									
Sodium	40000	41600	104.0	40000	41400	103.5	40000	41600	104.0
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10580 Units: ug/l

Time:		10:54			11:26			12:21	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	42100	105.3	40000	39400	98.5	40000	39100	97.8
Antimony	2000	2110	105.5	2000	2040	102.0	2000	2060	103.0
Arsenic	2000	2120	106.0	2000	2040	102.0	2000	2060	103.0
Barium									
Beryllium									
Cadmium	2000	2150	107.5	2000	2060	103.0	2000	2090	104.5
Calcium	40000	42400	106.0	40000	39900	99.8	40000	39800	99.5
Chromium	2000	2130	106.5	2000	2030	101.5	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	41800	104.5	40000	40900	102.3	40000	41000	102.5
Lead	anr								
Magnesium	40000	41200	103.0	40000	39500	98.8	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	42200	105.5	40000	39800	99.5	40000	40200	100.5
Selenium	2000	2130	106.5	2000	2060	103.0	2000	2090	104.5
Silver									
Sodium	40000	42600	106.5	40000	39900	99.8	40000	40400	101.0
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10580 Units: ug/l

Time:		13:14			14:11	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	38900	97.3
Antimony	2000	2100	105.0	2000	2080	104.0
Arsenic	2000	2100	105.0	2000	2090	104.5
Barium						
Beryllium						
Cadmium	2000	2120	106.0	2000	2120	106.0
Calcium	40000	40200	100.5	40000	40100	100.3
Chromium	2000	2060	103.0	2000	2040	102.0
Cobalt						
Copper	anr					
Iron	40000	41300	103.3	40000	42100	105.3
Lead	anr					
Magnesium	40000	39500	98.8	40000	39700	99.3
Manganese	anr					
Molybdenum						
Nickel						
Potassium	40000	40900	102.3	40000	40900	102.3
Selenium	2000	2140	107.0	2000	2140	107.0
Silver						
Sodium	40000	41200	103.0	40000	40800	102.0
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10580 Units: ug/l

Time:		08:06	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80700	100.9
Antimony	4000	4050	101.3
Arsenic	4000	4050	101.3
Barium			
Beryllium			
Cadmium	4000	4010	100.3
Calcium	80000	80900	101.1
Chromium	4000	3980	99.5
Cobalt			
Copper	anr		
Iron	80000	80300	100.4
Lead	anr		
Magnesium	80000	81000	101.3
Manganese	anr		
Molybdenum			
Nickel			
Potassium	80000	81000	101.3
Selenium	4000	4050	101.3
Silver			
Sodium	80000	81100	101.4
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10580 Units: ug/l

Time:			08:32		13:57	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	209	104.5	196	98.0
Antimony	10	5.0	5.9	118.0	6.7	134.0*(a
Arsenic	20	10	9.7	97.0	11.9	119.0
Barium	400	200				
Beryllium	10	5.0				
Cadmium	10	5.0	5.1	102.0	5.4	108.0
Calcium	2000	1000	1050	105.0	1040	104.0
Chromium	20	10	10.5	105.0	10.3	103.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	318	106.0	335	111.7
Lead	10	5.0	anr			
Magnesium	10000	5000	5080	101.6	4900	98.0
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000	10300	103.0	10400	104.0
Selenium	20	10	10.9	109.0	10.0	100.0
Silver	20	10				
Sodium	20000	10000	10200	102.0	10300	103.0
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible instrument baseline drift.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA030613M1.ICP Date Analyzed: 03/06/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10580 Units: ug/l

Time:			08:41		08:56		14:01		14:06	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	517000	103.4	530000	106.0	503000	100.6	505000	101.0
Antimony		1000	-1.5		1030	103.0	0.50		1050	105.0
Arsenic		1000	0.0		995	99.5	1.1		1020	102.0
Barium		500	-0.30		530	106.0	0.0		553	110.6
Beryllium		500	-0.20		523	104.6	-0.10		515	103.0
Cadmium		1000	0.10		964	96.4	-1.0		977	97.7
Calcium	500000	500000	494000	98.8	498000	99.6	488000	97.6	481000	96.2
Chromium		500	-0.40		496	99.2	-0.60		493	98.6
Cobalt		500	-1.0		477	95.4	-1.0		500	100.0
Copper		500	0.0		587	117.4	0.0		549	109.8
Iron	200000	200000	198000	99.0	193000	96.5	201000	100.5	201000	100.5
Lead		1000	0.0		982	98.2	-0.50		941	94.1
Magnesium	500000	500000	518000	103.6	521000	104.2	512000	102.4	510000	102.0
Manganese		500	-0.40		508	101.6	-0.40		510	102.0
Molybdenum		1000	-0.20		901	90.1	0.20		955	95.5
Nickel		1000	0.70		964	96.4	0.90		961	96.1
Potassium			-16		-31		53.2		20.4	
Selenium		1000	0.0		990	99.0	-5.5		1030	103.0
Silver		1000	0.40		1140	114.0	-1.1		1000	100.0
Sodium			47.8		63.7		96.0		78.2	
Strontium		1000	11.0		995	99.5	11.2		990	99.0
Thallium		1000	1.9		972	97.2	2.6		927	92.7
Tin		1000	-0.50		885	88.5	0.40		864	86.4
Titanium		1000	-5.1		989	98.9	-4.4		970	97.0
Vanadium		500	0.0		510	102.0	0.20		478	95.6
Zinc		1000	-1.3		965	96.5	-0.80		947	94.7

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10583
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:04	MA10583-STD1	1		STDA
08:08	MA10583-STD2	1		STDB
08:12	MA10583-STD3	1		STDC
08:15	MA10583-STD4	1		STDD
08:19	MA10583-HSTD1	1		
08:24	MA10583-ICV1	1		
08:36	MA10583-ICB1	1		
08:41	MA10583-CRIA1	1		
08:50	MA10583-ICSA1	1		
08:57	MA10583-ICSAB1	1		
09:04	MA10583-CCV1	1		
09:13	MA10583-CCB1	1		
09:18	MP24732-MB1	1		
09:22	MP24732-B1	1		
09:26	FA2131-13	5		(sample used for QC only; not part of login FA2218)
09:30	MP24732-D1	5		
09:34	MP24732-SD1	25		
09:38	MP24732-PS1	5		
09:43	MP24732-S1	5		
09:47	MP24732-S2	5		
09:51	ZZZZZZ	5		
09:55	ZZZZZZ	5		
09:59	MA10583-CCV2	1		
10:03	MA10583-CCB2	1		
10:08	ZZZZZZ	5		
10:12	ZZZZZZ	5		
10:16	ZZZZZZ	5		
10:21	ZZZZZZ	5		
10:25	ZZZZZZ	5		
10:29	ZZZZZZ	5		
10:34	ZZZZZZ	5		
10:38	ZZZZZZ	5		
10:43	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10583
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	10:47	ZZZZZZ	5		
	10:51	MA10583-CCV3	1		
	10:55	MA10583-CCB3	1		
	10:59	ZZZZZZ	5		
	11:04	ZZZZZZ	5		
	11:08	ZZZZZZ	5		
	11:13	ZZZZZZ	5		
	11:17	ZZZZZZ	5		
	11:22	ZZZZZZ	5		
	11:26	ZZZZZZ	5		
	11:30	MP24734-MB1	1		
	11:35	MP24734-B1	1		
	11:39	FA2397-1	1		(sample used for QC only; not part of login FA2218)
	11:43	MA10583-CCV4	1		
	11:47	MA10583-CCB4	1		
	12:10	MA10583-CCV5	1		
	12:17	MA10583-CCB5	1		
	12:21	MP24734-D1	1		
	12:25	MP24734-SD1	5		
	12:29	MP24734-PS1	1		
	12:33	MP24734-S1	1		
	12:38	MP24734-S2	1		
	12:42	ZZZZZZ	4		
	12:46	ZZZZZZ	4		
	12:50	FA2218-1F	10		
	12:54	FA2218-1F	5		
---------->	Last reportable sample/prep for job FA2218				
	12:59	ZZZZZZ	5		
	13:03	MA10583-CCV6	1		
	13:07	MA10583-CCB6	1		
	13:11	ZZZZZZ	5		
	13:15	ZZZZZZ	4		
	13:19	ZZZZZZ	4		
	13:23	ZZZZZZ	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10583
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:27	ZZZZZZ	20		
13:32	ZZZZZZ	20		
13:36	FA2397-1	25		(sample used for QC only; not part of login FA2218)
13:40	MP24734-D1	25		
13:45	MP24734-S1	25		
13:49	MP24734-S2	25		
13:53	MA10583-CCV7	1		
13:57	MA10583-CCB7	1		
14:01	MP24734-PS1	25		
14:06	MP24734-SD1	125		
14:10	ZZZZZZ	5		
14:15	ZZZZZZ	1		
14:19	ZZZZZZ	5		
14:23	ZZZZZZ	5		
14:28	ZZZZZZ	5		
14:32	ZZZZZZ	5		
14:36	ZZZZZZ	5		
14:41	ZZZZZZ	5		
14:45	MA10583-CCV8	1		
14:49	MA10583-CCB8	1		
15:18	MA10583-CCV9	1		
15:25	MA10583-CCB9	1		
15:28	ZZZZZZ	4		
15:33	MP24725-MB1	1		
15:37	MP24725-B1	1		
15:41	FA2213-1	1		(sample used for QC only; not part of login FA2218)
15:45	MP24725-D1	1		
15:50	MP24725-S1	1		
15:54	MP24725-S2	1		
15:59	MP24725-PS1	1		
16:03	MP24725-SD1	5		
16:07	ZZZZZZ	1		
16:11	MA10583-CCV10	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10583
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:15	MA10583-CCB10	1		
16:20	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:32	MP24739-MB1	1		
16:36	MP24739-B1	1		
16:40	FA2312-1	1		(sample used for QC only; not part of login FA2218)
16:44	MP24739-D1	1		
16:49	MP24739-SD1	5		
16:53	MP24739-S1	1		
16:57	MP24739-S2	1		
17:01	MA10583-CCV11	1		
17:05	MA10583-CCB11	1		
17:09	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:18	ZZZZZZ	1		
17:22	ZZZZZZ	1		
17:26	ZZZZZZ	1		
17:31	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:39	MP24739-D2	1		
17:44	MP24739-MB2	1		
17:48	MP24739-B2	1		
17:52	MA10583-CCV12	1		
17:56	MA10583-CCB12	1		
18:00	MA10583-CRIA2	1		
18:04	MA10583-ICSA2	1		
18:09	MA10583-ICSAB2	1		
18:13	MA10583-CCV13	1		
18:17	MA10583-CCB13	1		

----------> Last reportable CCB for job FA2218
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10583
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:04	MA10583-STD1	6497	36659	7847	2890
08:08	MA10583-STD2	6429	35769	7805	2652
08:12	MA10583-STD3	6345	35120	7951	2414
08:15	MA10583-STD4	6031	33585	7734	2160
08:19	MA10583-HSTD1	6099	34136	7864	2194
08:24	MA10583-ICV1	6293	35185	7671	2404
08:36	MA10583-ICB1	6636 R	37160 R	7890 R	2901 R
08:41	MA10583-CRIA1	6579	36621	7918	2779
08:50	MA10583-ICSA1	5595	29619	7304	2001
08:57	MA10583-ICSAB1	5744	30868	7462	2010
09:04	MA10583-CCV1	6446	35471	7877	2382
09:13	MA10583-CCB1	6680	37263	7878	2872
09:18	MP24732-MB1	6633	37176	7968	2826
09:22	MP24732-B1	6510	35656	7853	2516
09:26	FA2131-13	6674	36228	8213	2383
09:30	MP24732-D1	7088	38482	8521	2490
09:34	MP24732-SD1	6703	36860	8085	2681
09:38	MP24732-PS1	6771	36801	8488	2401
09:43	MP24732-S1	6613	36123	8289	2335
09:47	MP24732-S2	7860	43599	9515	2652
09:51	ZZZZZZ	5846	32182	7758	2068
09:55	ZZZZZZ	6009	33126	7923	2039
09:59	MA10583-CCV2	6381	34991	7887	2333
10:03	MA10583-CCB2	6670	36996	8010	2849
10:08	ZZZZZZ	5570	30629	7422	1969
10:12	ZZZZZZ	5821	32058	7694	2065
10:16	ZZZZZZ	5580	30809	7573	1959
10:21	ZZZZZZ	5654	31105	7510	2003
10:25	ZZZZZZ	5752	31761	7627	2075
10:29	ZZZZZZ	5919	32502	7884	2071
10:34	ZZZZZZ	6258	34224	8146	2055
10:38	ZZZZZZ	5792	31846	7688	2060
10:43	ZZZZZZ	5605	31015	7533	1985

INTERNAL STANDARD SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10583
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:47	ZZZZZZ	5807	32021	7616	2074
10:51	MA10583-CCV3	6253	33869	7695	2277
10:55	MA10583-CCB3	6654	36557	7979	2850
10:59	ZZZZZZ	5844	31836	7749	2083
11:04	ZZZZZZ	5576	30668	7544	2000
11:08	ZZZZZZ	5732	31685	7666	2063
11:13	ZZZZZZ	5712	31473	7630	2031
11:17	ZZZZZZ	5665	31417	7565	2034
11:22	ZZZZZZ	5775	31771	7659	2051
11:26	ZZZZZZ	5859	32297	7636	2103
11:30	MP24734-MB1	6844	36287	8224	2839
11:35	MP24734-B1	6607	35697	8028	2520
11:39	FA2397-1	4852	27742	7246	1527 !
11:43	MA10583-CCV4	6402	34883	7716	2336
11:47	MA10583-CCB4	6728	37236	7922	2857
12:10	MA10583-CCV5	6431	35051	7887	2377
12:17	MA10583-CCB5	6538	36235	7797	2802
12:21	MP24734-D1	4780	27191	6973	1533 !
12:25	MP24734-SD1	5637	31374	7457	2003
12:29	MP24734-PS1	4924	28293	7239	1544 !
12:33	MP24734-S1	4979	28174	7255	1597 !
12:38	MP24734-S2	4990	28355	7203	1598 !
12:42	ZZZZZZ	6298	34762	7700	2520
12:46	ZZZZZZ	6415	35455	7849	2541
12:50	FA2218-1F	6931	37550	8618	2271
12:54	FA2218-1F	7439	40059	9580	2172
12:59	ZZZZZZ	6213	33828	7802	2392
13:03	MA10583-CCV6	6407	35188	7899	2390
13:07	MA10583-CCB6	6604	36524	7842	2861
13:11	ZZZZZZ	6163	33379	7649	2350
13:15	ZZZZZZ	6167	33856	7471	2389
13:19	ZZZZZZ	6375	34951	7845	2500
13:23	ZZZZZZ	6668	36345	8323	2324

INTERNAL STANDARD SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10583
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:27	ZZZZZZ	6089	33635	7653	2334
13:32	ZZZZZZ	6230	34459	7765	2434
13:36	FA2397-1	6107	33795	7654	2377
13:40	MP24734-D1	6125	33712	7626	2419
13:45	MP24734-S1	6056	33293	7608	2405
13:49	MP24734-S2	6085	33537	7635	2414
13:53	MA10583-CCV7	6243	34484	7652	2345
13:57	MA10583-CCB7	6647	37147	7799	2882
14:01	MP24734-PS1	6052	33160	7587	2390
14:06	MP24734-SD1	6291	34838	7650	2653
14:10	ZZZZZZ	6538	35375	8511	2100
14:15	ZZZZZZ	7336	40369	8864	2744
14:19	ZZZZZZ	5828	32023	7621	2080
14:23	ZZZZZZ	5677	31063	7486	2064
14:28	ZZZZZZ	5562	30904	7516	2033
14:32	ZZZZZZ	5535	30758	7277	2040
14:36	ZZZZZZ	5563	30990	7282	2034
14:41	ZZZZZZ	6310	34496	8299	2076
14:45	MA10583-CCV8	6126	33431	7484	2284
14:49	MA10583-CCB8	6604	36556	7896	2870
15:18	MA10583-CCV9	6232	33985	7643	2323
15:25	MA10583-CCB9	6629	36362	7934	2877
15:28	ZZZZZZ	7888	42971	9447	2699
15:33	MP24725-MB1	6653	37299	7974	2865
15:37	MP24725-B1	6399	34716	7888	2534
15:41	FA2213-1	5798	31965	7680	2219
15:45	MP24725-D1	5837	32247	7739	2232
15:50	MP24725-S1	5878	32303	7558	2148
15:54	MP24725-S2	5810	31774	7589	2145
15:59	MP24725-PS1	5736	31446	7483	2176
16:03	MP24725-SD1	6254	34806	7822	2532
16:07	ZZZZZZ	6352	35556	7923	2594
16:11	MA10583-CCV10	6371	34792	7685	2355

INTERNAL STANDARD SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10583
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:15	MA10583-CCB10	6493	35696	7697	2841
16:20	ZZZZZZ	6383	35043	7955	2649
16:24	ZZZZZZ	6200	34475	7836	2494
16:28	ZZZZZZ	6490	36305	7867	2699
16:32	MP24739-MB1	6601	36509	7841	2846
16:36	MP24739-B1	6419	34940	7922	2537
16:40	FA2312-1	6154	33699	7843	2435
16:44	MP24739-D1	6188	33950	7778	2451
16:49	MP24739-SD1	6419	35519	7665	2639
16:53	MP24739-S1	6183	33885	7789	2302
16:57	MP24739-S2	6146	33219	7822	2324
17:01	MA10583-CCV11	6277	34320	7752	2362
17:05	MA10583-CCB11	6483	35875	7726	2837
17:09	ZZZZZZ	6189	34125	7652	2450
17:14	ZZZZZZ	6273	34242	7743	2473
17:18	ZZZZZZ	6270	34249	7937	2496
17:22	ZZZZZZ	6239	34020	7865	2485
17:26	ZZZZZZ	6178	34076	7778	2462
17:31	ZZZZZZ	6188	34101	7702	2409
17:35	ZZZZZZ	5947	32806	7657	2314
17:39	MP24739-D2	6153	33672	7800	2452
17:44	MP24739-MB2	6253	33980	7866	2516
17:48	MP24739-B2	6086	33244	7634	2318
17:52	MA10583-CCV12	5970	32875	7226	2217
17:56	MA10583-CCB12	6294	34649	7425	2737
18:00	MA10583-CRIA2	6324	34746	7648	2697
18:04	MA10583-ICSA2	5580	29886	7406	2034
18:09	MA10583-ICSAB2	5650	29961	7501	2020
18:13	MA10583-CCV13	6045	33045	7345	2266
18:17	MA10583-CCB13	6471	35699	7604	2822

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10583
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
Istd#4	Indium		60-125 %		

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10583 Units: ug/l

Time:			08:36		09:13		10:03		10:55	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	7.7	<200	0.50	<200	8.2	<200	7.1	<200
Antimony	6.0	1.3	0.40	<6.0	-0.90	<6.0	-1.1	<6.0	-2.1	<6.0
Arsenic	10	1.6	0.20	<10	0.0	<10	-0.30	<10	0.10	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.30	<5.0	0.30	<5.0
Calcium	1000	50	4.3	<1000	9.0	<1000	20.4	<1000	21.7	<1000
Chromium	10	1.8	0.10	<10	0.20	<10	0.30	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	3.1	<300	5.6	<300	7.8	<300	9.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-9.2	<5000	-16	<5000	0.90	<5000	-9.7	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	12.9	<10000	-17	<10000	0.10	<10000	0.60	<10000
Selenium	10	2	-0.10	<10	-0.90	<10	-0.60	<10	-0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	9.5	<10000	7.3	<10000	17.5	<10000	22.4	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10583 Units: ug/l

Time:			11:47		12:17		13:07		13:57	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	13.8	<200	1.0	<200	3.3	<200	1.7	<200
Antimony	6.0	1.3	-2.4	<6.0	0.10	<6.0	0.20	<6.0	1.4	<6.0
Arsenic	10	1.6	0.0	<10	0.40	<10	0.40	<10	0.40	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	64.9	<1000	-0.70	<1000	11.2	<1000	-5.5	<1000
Chromium	10	1.8	0.30	<10	0.0	<10	0.0	<10	0.0	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	9.6	<300	8.1	<300	12.0	<300	6.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-9.8	<5000	7.4	<5000	15.1	<5000	-7.7	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-53	<10000	17.5	<10000	37.9	<10000	-11	<10000
Selenium	10	2	-0.90	<10	0.0	<10	-0.20	<10	-0.50	<10
Silver	10	.5	anr							
Sodium	10000	500	27.3	<10000	12.2	<10000	23.3	<10000	8.8	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10583 Units: ug/l

Time:			14:49		15:25		16:15		17:05	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-1.2	<200	7.0	<200	6.1	<200	17.7	<200
Antimony	6.0	1.3	0.40	<6.0	1.1	<6.0	1.1	<6.0	1.1	<6.0
Arsenic	10	1.6	0.30	<10	0.70	<10	1.0	<10	0.70	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.10	<5.0	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	3.4	<1000	-3.2	<1000	4.1	<1000	6.1	<1000
Chromium	10	1.8	0.20	<10	0.10	<10	-0.10	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	7.6	<300	4.4	<300	10.2	<300	11.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	4.3	<5000	-13	<5000	-6.4	<5000	11.7	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-23	<10000	-5.5	<10000	8.7	<10000	-4.3	<10000
Selenium	10	2	-0.30	<10	-0.50	<10	-0.30	<10	-0.70	<10
Silver	10	.5	anr							
Sodium	10000	500	4.8	<10000	7.6	<10000	34.5	<10000	51.6	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10583 Units: ug/l

Time:			17:56		18:17	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	11.9	<200	16.7	<200
Antimony	6.0	1.3	0.40	<6.0	0.0	<6.0
Arsenic	10	1.6	0.90	<10	0.20	<10
Barium	200	1	anr			
Beryllium	4.0	.5				
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0
Calcium	1000	50	4.2	<1000	10.3	<1000
Chromium	10	1.8	0.30	<10	0.10	<10
Cobalt	50	.5				
Copper	25	1	anr			
Iron	300	29	15.8	<300	13.5	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	7.1	<5000	33.1	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	43.0	<10000	-14	<10000
Selenium	10	2	1.2	<10	0.70	<10
Silver	10	.5	anr			
Sodium	10000	500	76.7	<10000	20.8	<10000
Strontium	10	.5				
Thallium	10	1.3	anr			
Tin	50	.7	anr			
Titanium	10	.9				
Vanadium	50	.5				
Zinc	20	3	anr			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10583 Units: ug/l

Time:		08:24			09:04			09:59	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41400	103.5	40000	39100	97.8	40000	40600	101.5
Antimony	2000	2030	101.5	2000	1880	94.0	2000	1900	95.0
Arsenic	2000	1990	99.5	2000	1900	95.0	2000	1910	95.5
Barium	anr								
Beryllium									
Cadmium	2000	2040	102.0	2000	1970	98.5	2000	2020	101.0
Calcium	40000	42000	105.0	40000	39300	98.3	40000	40700	101.8
Chromium	2000	2020	101.0	2000	1960	98.0	2000	2040	102.0
Cobalt									
Copper	anr								
Iron	40000	41400	103.5	40000	38200	95.5	40000	38700	96.8
Lead	anr								
Magnesium	40000	39800	99.5	40000	38600	96.5	40000	39100	97.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41000	102.5	40000	38100	95.3	40000	39000	97.5
Selenium	2000	2060	103.0	2000	1890	94.5	2000	1910	95.5
Silver	anr								
Sodium	40000	41300	103.3	40000	39300	98.3	40000	40900	102.3
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10583 Units: ug/l

Time:		10:51			11:43			12:10	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41700	104.3	40000	40900	102.3	40000	39200	98.0
Antimony	2000	1910	95.5	2000	1890	94.5	2000	2020	101.0
Arsenic	2000	1920	96.0	2000	1900	95.0	2000	2010	100.5
Barium	anr								
Beryllium									
Cadmium	2000	2060	103.0	2000	2020	101.0	2000	2000	100.0
Calcium	40000	41200	103.0	40000	40700	101.8	40000	39400	98.5
Chromium	2000	2100	105.0	2000	2060	103.0	2000	1980	99.0
Cobalt									
Copper	anr								
Iron	40000	37800	94.5	40000	37400	93.5	40000	40500	101.3
Lead	anr								
Magnesium	40000	38600	96.5	40000	37900	94.8	40000	39800	99.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39600	99.0	40000	40500	101.3	40000	40000	100.0
Selenium	2000	1920	96.0	2000	1900	95.0	2000	2030	101.5
Silver	anr								
Sodium	40000	42200	105.5	40000	42500	106.3	40000	39100	97.8
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10583 Units: ug/l

Time:		13:03			13:53			14:45	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38500	96.3	40000	39300	98.3	40000	41200	103.0
Antimony	2000	2040	102.0	2000	2090	104.5	2000	2150	107.5
Arsenic	2000	2020	101.0	2000	2070	103.5	2000	2140	107.0
Barium	anr								
Beryllium									
Cadmium	2000	1990	99.5	2000	2030	101.5	2000	2110	105.5
Calcium	40000	39100	97.8	40000	40000	100.0	40000	41700	104.3
Chromium	2000	1970	98.5	2000	1990	99.5	2000	2100	105.0
Cobalt									
Copper	anr								
Iron	40000	40300	100.8	40000	41600	104.0	40000	42600	106.5
Lead	anr								
Magnesium	40000	39500	98.8	40000	40600	101.5	40000	41900	104.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40200	100.5	40000	41000	102.5	40000	42400	106.0
Selenium	2000	2050	102.5	2000	2090	104.5	2000	2160	108.0
Silver	anr								
Sodium	40000	38100	95.3	40000	39000	97.5	40000	40300	100.8
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10583 Units: ug/l

Time:		15:18			16:11			17:01	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	39600	99.0	40000	40100	100.3
Antimony	2000	2030	101.5	2000	1970	98.5	2000	2060	103.0
Arsenic	2000	2030	101.5	2000	1970	98.5	2000	2040	102.0
Barium	anr								
Beryllium									
Cadmium	2000	2060	103.0	2000	2020	101.0	2000	2060	103.0
Calcium	40000	40600	101.5	40000	39900	99.8	40000	40400	101.0
Chromium	2000	2060	103.0	2000	2000	100.0	2000	2050	102.5
Cobalt									
Copper	anr								
Iron	40000	40400	101.0	40000	39500	98.8	40000	40700	101.8
Lead	anr								
Magnesium	40000	40300	100.8	40000	39700	99.3	40000	40500	101.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40100	100.3	40000	38800	97.0	40000	40300	100.8
Selenium	2000	2040	102.0	2000	1960	98.0	2000	2060	103.0
Silver	anr								
Sodium	40000	40600	101.5	40000	39700	99.3	40000	40000	100.0
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10583 Units: ug/l

Time:		17:52			18:13	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41900	104.8	40000	41500	103.8
Antimony	2000	2110	105.5	2000	2090	104.5
Arsenic	2000	2100	105.0	2000	2080	104.0
Barium	anr					
Beryllium						
Cadmium	2000	2140	107.0	2000	2110	105.5
Calcium	40000	42200	105.5	40000	41700	104.3
Chromium	2000	2110	105.5	2000	2090	104.5
Cobalt						
Copper	anr					
Iron	40000	42300	105.8	40000	42200	105.5
Lead	anr					
Magnesium	40000	42300	105.8	40000	42000	105.0
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	40000	41300	103.3	40000	41100	102.8
Selenium	2000	2100	105.0	2000	2080	104.0
Silver	anr					
Sodium	40000	41900	104.8	40000	41600	104.0
Strontium						
Thallium	anr					
Tin	anr					
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10583 Units: ug/l

Time:		08:19	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79300	99.1
Antimony	4000	3990	99.8
Arsenic	4000	3980	99.5
Barium	anr		
Beryllium			
Cadmium	4000	3930	98.3
Calcium	80000	78800	98.5
Chromium	4000	3910	97.8
Cobalt			
Copper	anr		
Iron	80000	78800	98.5
Lead	anr		
Magnesium	80000	78800	98.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	79600	99.5
Selenium	4000	3960	99.0
Silver	anr		
Sodium	80000	79200	99.0
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10583 Units: ug/l

Time:			08:41		18:00	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	207	103.5	216	108.0
Antimony	10	5.0	4.4	88.0	6.4	128.0
Arsenic	20	10	10.1	101.0	10.5	105.0
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	5.3	106.0	5.4	108.0
Calcium	2000	1000	1040	104.0	1050	105.0
Chromium	20	10	10.4	104.0	10.6	106.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	308	102.7	327	109.0
Lead	10	5.0	anr			
Magnesium	10000	5000	5050	101.0	5180	103.6
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9930	99.3	10300	103.0
Selenium	20	10	9.6	96.0	10.0	100.0
Silver	20	10	anr			
Sodium	20000	10000	10200	102.0	10400	104.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB030713M1.ICP Date Analyzed: 03/07/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10583 Units: ug/l

Time:			08:50		08:57		18:04		18:09	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	514000	102.8	511000	102.2	510000	102.0	507000	101.4
Antimony		1000	0.0		953	95.3	-0.80		1020	102.0
Arsenic		1000	1.7		949	94.9	-2.7		1010	101.0
Barium		500	0.30		528	105.6	0.10		523	104.6
Beryllium		500	0.0		496	99.2	-0.10		513	102.6
Cadmium		1000	0.10		953	95.3	0.10		981	98.1
Calcium	500000	500000	477000	95.4	476000	95.2	480000	96.0	482000	96.4
Chromium		500	0.20		498	99.6	0.0		509	101.8
Cobalt		500	0.60		468	93.6	0.40		482	96.4
Copper		500	0.0		520	104.0	-0.60		553	110.6
Iron	200000	200000	191000	95.5	188000	94.0	197000	98.5	194000	97.0
Lead		1000	0.80		924	92.4	3.0		986	98.6
Magnesium	500000	500000	472000	94.4	474000	94.8	485000	97.0	483000	96.6
Manganese		500	-0.60		498	99.6	-0.80		523	104.6
Molybdenum		1000	0.50		856	85.6	-0.20		930	93.0
Nickel		1000	0.0		903	90.3	-0.80		971	97.1
Potassium			-11		-0.80		32.5		24.6	
Selenium		1000	-0.10		942	94.2	7.7		1000	100.0
Silver		1000	0.0		1090	109.0	1.5		1130	113.0
Sodium			70.8		70.5		112		145	
Strontium		1000	11.3		944	94.4	12.0		988	98.8
Thallium		1000	1.6		911	91.1	-2.4		960	96.0
Tin		1000	2.2		833	83.3	0.10		874	87.4
Titanium		1000	-1.8		942	94.2	-2.2		1010	101.0
Vanadium		500	-0.60		485	97.0	-0.70		507	101.4
Zinc		1000	2.8		965	96.5	2.4		996	99.6

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24724
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/06/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	3.1	<200
Antimony	6.0	1.3	1.3	1.4	<6.0
Arsenic	10	1.6	2.5	-1.0	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	92.7	<1000
Chromium	10	1.8	2	-0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	1.6	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	-0.20	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	7.7	<10000
Selenium	10	2	2	-0.90	<10
Silver	10	.5	.5		
Sodium	10000	500	500	-8.9	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3		
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1		
Zinc	20	3	5		

Associated samples MP24724: FA2218-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24724
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			03/06/13					03/06/13	
Metal	FA2330-1 Original	DUP	RPD	QC Limits	FA2330-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	2650	2890	8.7	0-20	2650	29400	27000	99.1	80-120
Antimony	0.0	1.6	200.0(a)	0-20	0.0	499	500	99.8	80-120
Arsenic	3.0	3.1	3.3	0-20	3.0	2040	2000	101.9	80-120
Barium									
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	51.2	50	102.4	80-120
Calcium	31600	31800	0.6	0-20	31600	55700	25000	96.4	80-120
Chromium	3.4	3.8	11.1	0-20	3.4	212	200	104.3	80-120
Cobalt									
Copper	anr								
Iron	4730	4950	4.5	0-20	4730	30900	26000	100.7	80-120
Lead	anr								
Magnesium	5980	5960	0.3	0-20	5980	29800	25000	95.3	80-120
Manganese	anr								
Molybdenum									
Nickel									
Potassium	3320	3410	2.7	0-20	3320	28600	25000	101.1	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2090	2000	104.5	80-120
Silver									
Sodium	10000	10300	3.0	0-20	10000	35500	25000	102.0	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP24724: FA2218-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24724
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/06/13

Metal	FA2330-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	2650	31000	27000	105.0	5.3	20
Antimony	0.0	456	500	91.2	9.0	20
Arsenic	3.0	2040	2000	101.9	0.0	20
Barium						
Beryllium						
Cadmium	0.0	51.4	50	102.8	0.4	20
Calcium	31600	56100	25000	98.0	0.7	20
Chromium	3.4	211	200	103.8	0.5	20
Cobalt						
Copper	anr					
Iron	4730	32300	26000	106.0	4.4	20
Lead	anr					
Magnesium	5980	30100	25000	96.5	1.0	20
Manganese	anr					
Molybdenum						
Nickel						
Potassium	3320	29200	25000	103.5	2.1	20
Selenium	0.0	2090	2000	104.5	0.0	20
Silver						
Sodium	10000	36000	25000	104.0	1.4	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP24724: FA2218-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24724
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/06/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	27900	27000	103.3	80-120
Antimony	536	500	107.2	80-120
Arsenic	2070	2000	103.5	80-120
Barium				
Beryllium				
Cadmium	53.4	50	106.8	80-120
Calcium	26100	25000	104.4	80-120
Chromium	217	200	108.5	80-120
Cobalt				
Copper	anr			
Iron	27700	26000	106.5	80-120
Lead	anr			
Magnesium	25000	25000	100.0	80-120
Manganese	anr			
Molybdenum				
Nickel				
Potassium	26500	25000	106.0	80-120
Selenium	2120	2000	106.0	80-120
Silver				
Sodium	26300	25000	105.2	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24724: FA2218-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24724
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/06/13

Metal	FA2330-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	2650	2760	3.8	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	3.00	0.00	100.0(a)	0-10
Barium				
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	31600	33700	6.6	0-10
Chromium	3.40	0.00	100.0(a)	0-10
Cobalt				
Copper	anr			
Iron	4730	4860	2.7	0-10
Lead	anr			
Magnesium	5980	6200	3.6	0-10
Manganese	anr			
Molybdenum				
Nickel				
Potassium	3320	3700	11.3 (a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	10000	10700	6.7	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24724: FA2218-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24724
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/06/13

Metal	Sample ml	Final ml	FA2330-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	2654	2600.92	5468	0.2	125	2500	114.7	80-120
Antimony	9.8	10	0	0	101.7	0.2	5	100	101.7	80-120
Arsenic	9.8	10	3	2.94	102	0.2	5	100	99.1	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	51.5	0.2	2.5	50	103.0	80-120
Calcium	9.8	10	31570	30938.6	36990	0.2	250	5000	121.0*(a	80-120
Chromium	9.8	10	3.4	3.332	54.8	0.2	2.5	50	102.9	80-120
Cobalt										
Copper										
Iron	9.8	10	4730	4635.4	7824	0.2	150	3000	106.3	80-120
Lead										
Magnesium	9.8	10	5984	5864.32	10560	0.2	250	5000	93.9	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	3324	3257.52	13360	0.2	500	10000	101.0	80-120
Selenium	9.8	10	0	0	97	0.2	5	100	97.0	80-120
Silver										
Sodium	9.8	10	10040	9839.2	19920	0.2	500	10000	100.8	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24724: FA2218-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN54501	5.0	0.90	mg/l	250	253	101.0	90-113%
Chloride	GP21090/GN54407	2.0	0.0	mg/l	50	49.8	99.6	90-110%
Fluoride	GP21090/GN54407	0.20	0.0	mg/l	2.5	2.51	100.4	90-110%
Nitrogen, Nitrate	GP21090/GN54407	0.10	0.0	mg/l	2.5	2.45	98.0	90-110%
Phosphate, Ortho	GP21087/GN54395	0.10	0.0	mg/l	.300	0.31	103.0	83-116%
Phosphorus, Total	GP21138/GN54549	0.10	0.0	mg/l	.300	0.32	108.0	81-118%
Solids, Total Dissolved	GN54469	100	20.0	mg/l				
Specific Conductivity	GN54385	1.0	0.0	umhos/cm				
Sulfate	GP21090/GN54407	2.0	0.0	mg/l	50	50.8	101.6	90-110%

Associated Samples:
Batch GN54385: FA2218-1
Batch GN54469: FA2218-1
Batch GN54501: FA2218-1
Batch GP21087: FA2218-1F
Batch GP21090: FA2218-1
Batch GP21138: FA2218-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN54501	FA2214-2	mg/l	107	107	0.3	0-20%
Phosphate, Ortho	GP21087/GN54395	FA2214-2F	mg/l	155	154	0.7	0-26%
Phosphorus, Total	GP21138/GN54549	FA2417-1	mg/l	0.94	0.91	2.8	0-22%
Solids, Total Dissolved	GN54469	FA2272-4	mg/l	2080	2140	2.8	0-5%
Specific Conductivity	GN54385	FA2214-1	umhos/cm	2400	2400	0.1	0-10%
pH	GN54391	FA2213-1	su	7.77	7.75	0.3	0-10%

Associated Samples:
Batch GN54385: FA2218-1
Batch GN54391: FA2218-1
Batch GN54469: FA2218-1
Batch GN54501: FA2218-1
Batch GP21087: FA2218-1F
Batch GP21138: FA2218-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN54501	FA2214-2	mg/l	107	250	355	99.4	90-113%
Chloride	GP21090/GN54407	FA2040-9	mg/l	6.4	50	56.9	101.0	90-110%
Fluoride	GP21090/GN54407	FA2040-9	mg/l	0.40	2.5	2.6	88.0N(a)	90-110%
Nitrogen, Nitrate	GP21090/GN54407	FA2040-9	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Phosphate, Ortho	GP21087/GN54395	FA2214-2F	mg/l	155	.300	156	110.0	83-116%
Phosphorus, Total	GP21138/GN54549	FA2417-1	mg/l	0.94	.300	1.3	104.0	81-118%
Sulfate	GP21090/GN54407	FA2040-9	mg/l	17.3	50	65.1	95.6	90-110%

Associated Samples:
Batch GN54501: FA2218-1
Batch GP21087: FA2218-1F
Batch GP21090: FA2218-1
Batch GP21138: FA2218-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP21090/GN54407	FA2040-9	mg/l	6.4	50	57.0	0.2	
Fluoride	GP21090/GN54407	FA2040-9	mg/l	0.40	2.5	2.6	0.0N(a)	
Nitrogen, Nitrate	GP21090/GN54407	FA2040-9	mg/l	0.050 U	2.5	2.4	0.0	
Phosphate, Ortho	GP21087/GN54395	FA2214-2F	mg/l	155	.300	154	0.7(b)	26%
Phosphorus, Total	GP21138/GN54549	FA2417-1	mg/l	0.94	.300	1.17	6.3	22%
Sulfate	GP21090/GN54407	FA2040-9	mg/l	17.3	50	64.8	0.5	

Associated Samples:
Batch GP21087: FA2218-1F
Batch GP21090: FA2218-1
Batch GP21138: FA2218-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313010301.TXT Date Analyzed: 03/01/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54407
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:12	GN54407-CCV1	1		
09:27	GN54407-CCB1	1		
09:43	GP21090-MB1	1		
09:59	GP21090-B1	1		
11:10	ZZZZZZ	10		
11:26	ZZZZZZ	10		
11:42	ZZZZZZ	1		
11:58	FA2218-1	100		
12:13	ZZZZZZ	1		
12:29	FA2220-1	1		(sample used for QC only; not part of login FA2218)
12:45	GN54407-CCV2	1		
13:01	GN54407-CCB2	1		
13:17	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:49	ZZZZZZ	5		
14:05	ZZZZZZ	5		
14:21	ZZZZZZ	5		
14:52	ZZZZZZ	1		
15:08	FA2040-9	1		(sample used for QC only; not part of login FA2218)
15:24	ZZZZZZ	5		
15:40	ZZZZZZ	5		
15:56	GN54407-CCV3	1		
16:12	GN54407-CCB3	1		
16:28	ZZZZZZ	5		
16:44	ZZZZZZ	5		
16:59	ZZZZZZ	1		
17:15	ZZZZZZ	10		
17:31	GP21090-S1	1		
17:47	GP21090-S2	1		
18:03	GP21090-S3	1		
18:19	GP21090-S4	1		
18:35	ZZZZZZ	2		
18:51	ZZZZZZ	25		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313010301.TXT Date Analyzed: 03/01/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54407
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:06	GN54407-CCV4	1		
19:22	GN54407-CCB4	1		
19:38	ZZZZZZ	25		
19:54	FA2218-1	500		
20:10	ZZZZZZ	2		
20:26	GN54407-CCV5	1		
20:42	GN54407-CCB5	1		
20:58	GP21089-MB1	1		
21:14	GP21089-B1	1		
21:29	ZZZZZZ	1		
21:45	ZZZZZZ	1		
22:01	ZZZZZZ	1		
22:17	FA1973-4	5		(sample used for QC only; not part of login FA2218)
22:33	ZZZZZZ	1		
22:49	ZZZZZZ	1		
23:05	ZZZZZZ	1		
23:37	GN54407-CCV6	1		
23:52	GN54407-CCB6	1		
00:08	ZZZZZZ	1		
00:24	ZZZZZZ	1		
00:40	ZZZZZZ	1		
00:56	GP21089-S1	5		
01:12	GP21089-S2	5		
01:44	GP21071-S1	1		
02:00	GP21071-S2	1		
02:16	GN54407-CCV7	1		
02:31	GN54407-CCB7	1		
03:03	GP21071-S3	1		
03:19	GP21071-S4	1		
03:35	GN54407-CCV8	1		
03:51	GN54407-CCB8	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313010301.TXT Date Analyzed: 03/01/13 Methods: EPA 300/SW846 9056A
Run ID: GN54407 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54407-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54407-CCV1	Chloride	50.2	2.0	0.80	50	100.4	90-110
GN54407-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54407-CCV1	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN54407-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54407-CCB1	Chloride	0.80 U	2.0	0.80			
GN54407-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54407-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54407-CCV2	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54407-CCV2	Chloride	49.9	2.0	0.80	50	99.8	90-110
GN54407-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54407-CCV2	Sulfate	49.9	2.0	0.60	50	99.8	90-110
GN54407-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54407-CCB2	Chloride	0.80 U	2.0	0.80			
GN54407-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54407-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54407-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54407-CCV3	Chloride	50.1	2.0	0.80	50	100.2	90-110
GN54407-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54407-CCV3	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN54407-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54407-CCB3	Chloride	0.80 U	2.0	0.80			
GN54407-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54407-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54407-CCV4	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54407-CCV4	Chloride	49.9	2.0	0.80	50	99.8	90-110
GN54407-CCV4	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54407-CCV4	Sulfate	50.0	2.0	0.60	50	100.0	90-110
GN54407-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54407-CCB4	Chloride	0.80 U	2.0	0.80			
GN54407-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54407-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54407-CCV5	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54407-CCV5	Chloride	50.0	2.0	0.80	50	100.0	90-110
GN54407-CCV5	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54407-CCV5	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN54407-CCB5	Fluoride	0.060 U	0.20	0.060			
GN54407-CCB5	Chloride	0.80 U	2.0	0.80			
GN54407-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54407-CCB5	Sulfate	0.60 U	2.0	0.60			
GN54407-CCV6	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54407-CCV6	Chloride	50.0	2.0	0.80	50	100.0	90-110
GN54407-CCV6	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54407-CCV6	Sulfate	49.9	2.0	0.60	50	99.8	90-110
GN54407-CCB6	Fluoride	0.060 U	0.20	0.060			
GN54407-CCB6	Chloride	0.80 U	2.0	0.80			
GN54407-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54407-CCB6	Sulfate	0.60 U	2.0	0.60			
GN54407-CCV7	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54407-CCV7	Chloride	49.9	2.0	0.80	50	99.8	90-110
GN54407-CCV7	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54407-CCV7	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN54407-CCB7	Fluoride	0.060 U	0.20	0.060			
GN54407-CCB7	Chloride	0.80 U	2.0	0.80			
GN54407-CCB7	Nitrogen, Nitrate	0.050 U	0.10	0.050			

Instrument QC Summary
Inorganics Analyses

Login Number: FA2218
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313010301.TXT Date Analyzed: 03/01/13 Methods: EPA 300/SW846 9056A
Run ID: GN54407 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54407-CCB7	Sulfate	0.60 U	2.0	0.60			
GN54407-CCV8	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54407-CCV8	Chloride	50.0	2.0	0.80	50	100.0	90-110
GN54407-CCV8	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54407-CCV8	Sulfate	49.8	2.0	0.60	50	99.6	90-110
GN54407-CCB8	Fluoride	0.060 U	0.20	0.060			
GN54407-CCB8	Chloride	0.80 U	2.0	0.80			
GN54407-CCB8	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54407-CCB8	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

Reissue #1
03/25/13

Technical Report for

WSP Environment & Energy

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

36785.01

Accutest Job Number: FA2520

Sampling Date: 03/07/13

Report to:

WSP Environment & Energy

brian.kelly@wspgroup.com
tim.huff@wspgroup.com; isaac.pelz@wspgroup.com; steve.dawson@wspgroup.com
ATTN: Tim Huff

Total number of pages in report: **73**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

March 22, 2013

Mr. Tim Huff
WSP Environment & Energy
205 W Park St
Jackson, MO 63755

RE: Accutest job FA2520 Reissue

Dear Mr. Huff,

The final report for job number FA2520 been edited to reflect the following corrections. These edits have been incorporated into the revised report.

The metals results have been reported in mg/L.

Accutest apologizes for any inconvenience this may have caused. Please feel free to contact us if we can be of further assistance.

Sincerely,

Accutest Laboratories, SE

Florida ♦ 4405 Vineland Road ♦ Suite C-15 ♦ Orlando, FL 32811 ♦ tel: 407 425-6700 ♦ fax: 407 425-0707 ♦ htpp:/www.accutest.com

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA2520

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Project No: 36785.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA2520-1	03/07/13	15:50	TP	03/09/13	AQ	Ground Water	A-34-022
FA2520-1F	03/07/13	15:50	TP	03/09/13	AQ	Groundwater Filtered	A-34-022

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA2520

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 3/21/2013 2:41:43 PM

1 Sample was collected on 03/07/2013 and was received at Accutest SE on 03/09/2013 properly preserved, at 3.6 Deg. C and intact. The Sample received an Accutest job number of FA2520. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP24768

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2520-1DUP, FA2520-1MS, FA2520-1MSD, FA2520-1PS, FA2520-1SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Aluminum, Calcium, Sodium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Matrix Spike Duplicate Recovery(s) for Aluminum, Cadmium, Calcium, Iron, Sodium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

RPD(s) for Serial Dilution for Arsenic, Aluminum, Cadmium, Calcium, Chromium, Iron, Magnesium, Potassium are outside control limits for sample MP24768-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24768-PS1 for Magnesium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24768-PS1 for Sodium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24768-SD1 for Magnesium: Serial dilution indicates possible matrix interference.

MP24768-SD1 for Potassium: Serial dilution indicates possible matrix interference.

MP24768-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP24768-SD1 for Chromium: Serial dilution indicates possible matrix interference.

MP24768-SD1 for Calcium: Serial dilution indicates possible matrix interference.

MP24768-SD1 for Cadmium: Serial dilution indicates possible matrix interference.

MP24768-SD1 for Aluminum: Serial dilution indicates possible matrix interference.

MP24768-PS1 for Iron: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24768-PS1 for Chromium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24768-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24768-PS1 for Cadmium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24768-PS1 for Potassium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24768-PS1 for Aluminum: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

FA2520-1 for Potassium: Sample dilution required due to sample matrix.

FA2520-1 for Aluminum: Sample dilution required due to sample matrix.

FA2520-1 for Antimony: Sample dilution required due to sample matrix.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP24768

FA2520-1 for Arsenic: Sample dilution required due to sample matrix.

FA2520-1 for Cadmium: Sample dilution required due to sample matrix.

FA2520-1 for Calcium: Sample dilution required due to sample matrix.

FA2520-1 for Chromium: Sample dilution required due to sample matrix.

FA2520-1 for Magnesium: Sample dilution required due to sample matrix.

FA2520-1 for Iron: Sample dilution required due to sample matrix.

FA2520-1 for Selenium: Sample dilution required due to sample matrix.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54556

All method blanks for this batch meet method specific criteria.

Sample(s) FA2520-1DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA2520-1. Sample received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21139

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2501-1MSD, FA2501-1MS were used as the QC samples for Chloride, Fluoride, Nitrogen, Nitrate, Sulfate.
Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Chloride, Fluoride, Nitrogen, Nitrate, Sulfate are outside control limits. Spike recovery indicates possible matrix interference. Refer to lab control or spike blank for recovery information.

FA2520-1 for Nitrogen, Nitrate: Originally ran on GN54542. Re-run beyond hold-time due to CCV failure. Dilution required due to matrix interference.

FA2520-1 for Chloride: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21155

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2520-1FMSD, FA2520-1FMS were used as the QC samples for Phosphate, Ortho.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Phosphate, Ortho are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Matrix: AQ **Batch ID:** GP21161

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2520-1DUP, FA2520-1MSD were used as the QC samples for Phosphorus, Total.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Phosphorus, Total are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method SM 4500H B/SW 9040C

Matrix: AQ **Batch ID:** GN54576

Sample(s) FA2503-2DUP was used as the QC samples for pH.

FA2520-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54554

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2439-6DUP, FA2439-6MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54645

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2559-1DUP was used as the QC sample for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: March 21, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA2520
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/07/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2520-1	**A-34-022**					
Aluminum [a]		1410	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.288	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		3.40	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		581	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		3.17	0.050	0.010	mg/l	SW846 6010C
Iron [a]		1520	1.5	0.15	mg/l	SW846 6010C
Magnesium [a]		1030	25	0.37	mg/l	SW846 6010C
Potassium [a]		395	50	1.0	mg/l	SW846 6010C
Sodium		847	200	10	mg/l	SW846 6010C
Fluoride		2070	100	30	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		1790	500	140	mg/l	EPA 365.3
Solids, Total Dissolved		7120	1000	100	mg/l	SM19 2540C
Specific Conductivity [b]		15500	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		12500	1000	300	mg/l	EPA 300/SW846 9056A
pH [c]		2.28			su	SM 4500H B/SW 9040C
FA2520-1F	**A-34-022**					
Phosphate, Ortho		716	500	95	mg/l	EPA 365.3

(a) Sample dilution required due to sample matrix.
(b) Sample received outside the holding time.
(c) Field analysis required. Received out of hold time and analyzed by request.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA2520-1	**Date Sampled:**	03/07/13
Matrix:	AQ - Ground Water	**Date Received:**	03/09/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	1410	1.0	0.075	mg/l	5	03/12/13	03/12/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	03/12/13	03/12/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	0.288	0.050	0.013	mg/l	5	03/12/13	03/12/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	3.40	0.025	0.0025	mg/l	5	03/12/13	03/12/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium [a]	581	5.0	0.25	mg/l	5	03/12/13	03/12/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	3.17	0.050	0.010	mg/l	5	03/12/13	03/12/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron [a]	1520	1.5	0.15	mg/l	5	03/12/13	03/12/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium [a]	1030	25	0.37	mg/l	5	03/12/13	03/12/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium [a]	395	50	1.0	mg/l	5	03/12/13	03/12/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	0.010 U	0.050	0.010	mg/l	5	03/12/13	03/12/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	847	200	10	mg/l	20	03/12/13	03/13/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10594
(2) Instrument QC Batch: MA10598
(3) Prep QC Batch: MP24768

(a) Sample dilution required due to sample matrix.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA2520-1	**Date Sampled:**	03/07/13
Matrix:	AQ - Ground Water	**Date Received:**	03/09/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	03/12/13	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/12/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	03/09/13 14:00	AC	SM19 2320B
Chloride [a]	400 U	1000	400	mg/l	500	03/11/13 11:30	AA	EPA 300/SW846 9056A
Fluoride	2070	100	30	mg/l	500	03/11/13 11:30	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	25 U	50	25	mg/l	500	03/11/13 11:30	AA	EPA 300/SW846 9056A
Phosphorus, Total	1790	500	140	mg/l	5000	03/13/13 09:20	LE	EPA 365.3
Solids, Total Dissolved	7120	1000	100	mg/l	10	03/15/13	KC	SM19 2540C
Specific Conductivity [c]	15500	1.0	1.0	umhos/cm	1	03/09/13 13:40	AC	EPA 120.1
Sulfate	12500	1000	300	mg/l	500	03/11/13 11:30	AA	EPA 300/SW846 9056A
pH [d]	2.28			su	1	03/09/13 11:10	AC	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Originally ran on GN54542. Re-run beyond holdtime due to CCV failure. Dilution required due to matrix interference.
(c) Sample received outside the holding time.
(d) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA2520-1F	**Date Sampled:**	03/07/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/09/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	716	500	95	mg/l	5000	03/09/13 12:00	JA	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, FL 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA2520 PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: INST ENV + ENG
Address: 705 W PARK ST.
City: JACKSON State: MO Zip: 63755
Project Contact: TIM HUFF E-mail: TIM.HUFF@WSPGROUP.COM
Phone#: 573-217-6759
Sampler(s) Name(s) (Printed): T. HATTIE

Project Information

Project Name: AGRIUM
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

SEE ATTACHED

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	SEE ATTACHED	LAB USE ONLY
1	A.34.022	030913	1550	TP	GW	4		X			X	X				X	

TURNAROUND TIME (Business Days)

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Approved By: / Rush Code

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date Time: 030713 1650	Received By: 2 FX	Relinquished by: 3 FX	Date Time: 03/09/13 1000	Received By: Frank Torres ASE 03/09/13 1000
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 3.6

FA2520: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA2520 CLIENT: WSP Env PROJECT: AGrium

DATE/TIME RECEIVED: 03/09/13 10:00 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8017 3227 8911

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +04
- [ ] OBSERVED TEMPS: 3.2
- [ ] CORRECTED TEMPS: 3.6

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE [signature] 03/09/13 REVIEWER SIGNATURE/DATE [signature] 3-9-13

NF 12/10

receipt confirmation 122910.xls

5.1

5

FA2520: Chain of Custody

Page 2 of 3

*HIGH PHOSPHATE CONCENTRATIONS

Analyte List #2 (groundwater samples and groundwater sampling equipment blanks)

- total dissolved solids (TDS)
- Total metals - aluminum, antimony, arsenic, cadmium, calcium, chromium, iron, magnesium, potassium, selenium, and sodium
- chloride, fluoride, nitrate as N, and sulfate
- pH
- total phosphorous
- dissolved orthophosphate
- bicarbonate and carbonate alkalinity as $CaCO_3$
- specific conductance

NOTE – If turbidity at the time of sampling is greater than 50 NTU, collect dissolved metals sample and submit to laboratory ON HOLD for the same analyte list as the total metals sample.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10594
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:59	MA10594-STD1	1		STDA
08:03	MA10594-STD2	1		STDB
08:07	MA10594-STD3	1		STDC
08:11	MA10594-STD4	1		STDD
08:18	MA10594-HSTD1	1		
08:27	MA10594-ICV1	1		
08:35	MA10594-ICB1	1		
08:38	MA10594-CRIA1	1		
08:47	MA10594-ICSA1	1		
08:54	MA10594-ICSAB1	1		
09:03	MA10594-CCV1	1		
09:11	MA10594-CCB1	1		
09:19	MP24761-MB1	1		
09:23	MP24761-B1	1		
09:53	ZZZZZZ	1		
09:58	ZZZZZZ	1		
10:02	MA10594-CCV2	1		
10:06	MA10594-CCB2	1		
10:11	ZZZZZZ	1		
10:15	ZZZZZZ	1		
10:19	ZZZZZZ	1		
10:24	ZZZZZZ	1		
10:33	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:42	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:51	ZZZZZZ	1		
10:55	MA10594-CCV3	1		
10:59	MA10594-CCB3	1		
11:03	ZZZZZZ	1		
11:08	ZZZZZZ	1		
11:12	ZZZZZZ	1		
11:17	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10594
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:21	ZZZZZZ	1		
11:25	FA2469-1	2		(sample used for QC only; not part of login FA2520)
11:29	MP24758-D1	2		
11:33	MP24758-S1	2		
11:37	MP24758-S2	2		
11:41	MP24758-PS1	2		
11:45	MA10594-CCV4	1		
11:49	MA10594-CCB4	1		
11:53	MP24758-SD1	10		
11:57	MP24758-MB1	1		
12:01	MP24758-B1	1		
12:05	ZZZZZZ	2		
12:10	ZZZZZZ	2		
12:14	ZZZZZZ	2		
12:18	ZZZZZZ	2		
12:22	ZZZZZZ	2		
12:26	ZZZZZZ	2		
12:31	ZZZZZZ	2		
12:44	MA10594-CCV5	1		
12:54	MA10594-CCB5	1		
13:25	MA10594-CCV6	1		
13:32	MA10594-CCB6	1		
13:39	ZZZZZZ	2		
13:44	ZZZZZZ	2		
13:48	ZZZZZZ	2		
13:52	ZZZZZZ	2		
13:56	ZZZZZZ	2		
14:01	ZZZZZZ	25		
14:05	ZZZZZZ	25		
14:09	ZZZZZZ	20		
14:14	ZZZZZZ	25		
14:18	ZZZZZZ	5		
14:22	MA10594-CCV7	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10594
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:26	MA10594-CCB7	1		
15:03	MA10594-CCV8	1		
15:14	MA10594-CCB8	1		
15:19	MP24768-MB1	1		
15:23	MP24768-B1	1		
15:27	FA2520-1	5		
15:32	MP24768-D1	5		
15:36	MP24768-SD1	25		
15:40	MP24768-PS1	5		
15:45	MP24768-S1	5		
15:50	MP24768-S2	5		
15:58	ZZZZZZ	1		
16:03	MA10594-CCV9	1		
16:06	MA10594-CCB9	1		
16:11	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:19	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:36	ZZZZZZ	1		
16:40	ZZZZZZ	1		
16:45	ZZZZZZ	1		
16:49	ZZZZZZ	1		
16:53	MA10594-CCV10	1		
16:57	MA10594-CCB10	1		
17:01	ZZZZZZ	1		
17:06	ZZZZZZ	1		
17:10	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:18	ZZZZZZ	1		
17:23	ZZZZZZ	1		
17:27	MP24768-MB2A	1		

----------> Last reportable sample/prep for job FA2520

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10594
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	17:31	MA10594-CRIA2	1		
	17:35	MA10594-ICSA2	1		
	17:40	MA10594-ICSAB2	1		
	17:44	MA10594-CCV11	1		
	17:48	MA10594-CCB11	1		
---------->	Last reportable CCB for job FA2520				
	17:52	MA10594-CCV12	1		
	17:56	MA10594-CCB12	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10594
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:59	MA10594-STD1	4627	32788	8606	2250
08:03	MA10594-STD2	4558	31800	8557	2108
08:07	MA10594-STD3	4464	31032	8432	1878
08:11	MA10594-STD4	4338	30211	8360	1721
08:18	MA10594-HSTD1	4295	29890	8413	1723
08:27	MA10594-ICV1	4492	30710	8401	1870
08:35	MA10594-ICB1	4590 R	32367 R	8501 R	2224 R
08:38	MA10594-CRIA1	4514	31777	8473	2140
08:47	MA10594-ICSA1	4041	27067	8117	1623
08:54	MA10594-ICSAB1	3933	26886	8084	1602
09:03	MA10594-CCV1	4380	30714	8314	1849
09:11	MA10594-CCB1	4532	31927	8417	2231
09:19	MP24761-MB1	4482	31766	8379	2158
09:23	MP24761-B1	4353	30194	8381	1945
09:53	ZZZZZZ	4707	32275	9686	1631
09:58	ZZZZZZ	4748	32624	10007	1560
10:02	MA10594-CCV2	4388	30606	8351	1891
10:06	MA10594-CCB2	4575	32450	8502	2239
10:11	ZZZZZZ	4826	33579	9586	1784
10:15	ZZZZZZ	4390	29898	8985	1596
10:19	ZZZZZZ	4544	31015	9205	1612
10:24	ZZZZZZ	6219 !	43609 !	12294 !	1751
10:33	ZZZZZZ	5153	35512	9832	1877
10:37	ZZZZZZ	5914 !	39585	11593 !	1692
10:42	ZZZZZZ	5373	37041	10518	1772
10:46	ZZZZZZ	6504 !	43782 !	13027 !	1730
10:51	ZZZZZZ	4735	32904	8682	2088
10:55	MA10594-CCV3	4493	31024	8347	1878
10:59	MA10594-CCB3	4613	32385	8472	2250
11:03	ZZZZZZ	4690	31899	8748	1992
11:08	ZZZZZZ	5105	35403	9873	1694
11:12	ZZZZZZ	5585	39558	10801 !	1722
11:17	ZZZZZZ	4773	32479	8917	2037

INTERNAL STANDARD SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10594
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:21	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:25	FA2469-1	5601	38791	10458	1944
11:29	MP24758-D1	5686	39434	10780	1926
11:33	MP24758-S1	5552	38351	10574	1871
11:37	MP24758-S2	5787	40180	11267	1869
11:41	MP24758-PS1	5427	37643	10508	1944
11:45	MA10594-CCV4	4385	30343	8282	1888
11:49	MA10594-CCB4	4603	32310	8286	2237
11:53	MP24758-SD1	4899	33603	8951	2107
11:57	MP24758-MB1	4484	31520	8351	2200
12:01	MP24758-B1	4405	29666	8159	1978
12:05	ZZZZZZ	5875	40571	11080	1887
12:10	ZZZZZZ	5959	41271	11348	1907
12:14	ZZZZZZ	5190	35572	10311	1796
12:18	ZZZZZZ	5694	39670	10832	1930
12:22	ZZZZZZ	5951	41302	11320	1870
12:26	ZZZZZZ	5362	36741	10667	1706
12:31	ZZZZZZ	5913	41091	11500	1871
12:44	MA10594-CCV5	4413	30351	8284	1872
12:54	MA10594-CCB5	4587	32043	8341	2245
13:25	MA10594-CCV6	4385	30503	8253	1869
13:32	MA10594-CCB6	4454	31405	8252	2239
13:39	ZZZZZZ	5378	37323	10340	1829
13:44	ZZZZZZ	6076	41974	11381	1906
13:48	ZZZZZZ	6050	41981	11577	1881
13:52	ZZZZZZ	5678	39759	10871	1929
13:56	ZZZZZZ	5921	40788	11848	1730
14:01	ZZZZZZ	4861	33563	9092	2001
14:05	ZZZZZZ	5423	37446	10120	2080
14:09	ZZZZZZ	4596	32013	8775	1888
14:14	ZZZZZZ	5421	37484	10030	2014
14:18	ZZZZZZ	4958	34271	9575	1855
14:22	MA10594-CCV7	4284	29937	8241	1890

INTERNAL STANDARD SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10594
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:26	MA10594-CCB7	4478	31666	8203	2247
15:03	MA10594-CCV8	4385	30296	8341	1881
15:14	MA10594-CCB8	4616	32327	8302	2244
15:19	MP24768-MB1	4582	32234	8449	2240
15:23	MP24768-B1	4459	30751	8358	1997
15:27	FA2520-1	5029	34353	9896	1696
15:32	MP24768-D1	5008	33959	9806	1693
15:36	MP24768-SD1	4655	31791	8637	1951
15:40	MP24768-PS1	4927	33651	9695	1696
15:45	MP24768-S1	4892	33449	9662	1695
15:50	MP24768-S2	4835	33205	9632	1697
15:58	ZZZZZZ	4198	29616	8075	1988
16:03	MA10594-CCV9	4229	29218	8028	1893
16:06	MA10594-CCB9	4458	31591	8076	2258
16:11	ZZZZZZ	4210	29520	8023	1983
16:15	ZZZZZZ	4165	29283	7961	1973
16:19	ZZZZZZ	No results reported for the elements associated with this internal standard.			
16:23	ZZZZZZ	4336	30686	8138	2180
16:28	ZZZZZZ	4329	30455	8104	2193
16:32	ZZZZZZ	4339	30479	8121	2182
16:36	ZZZZZZ	4408	31288	8222	2201
16:40	ZZZZZZ	4363	31040	8147	2183
16:45	ZZZZZZ	4364	30989	8251	2196
16:49	ZZZZZZ	4417	31399	8179	2262
16:53	MA10594-CCV10	4195	29239	7978	1907
16:57	MA10594-CCB10	4347	30703	8084	2268
17:01	ZZZZZZ	4407	31225	8146	2244
17:06	ZZZZZZ	4430	31483	8156	2216
17:10	ZZZZZZ	4441	31603	8163	2239
17:14	ZZZZZZ	4401	31350	8141	2219
17:18	ZZZZZZ	4427	31409	8132	2240
17:23	ZZZZZZ	4429	31210	8220	2227
17:27	MP24768-MB2A	4376	30967	8154	2265

INTERNAL STANDARD SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10594
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:31	MA10594-CRIA2	4398	31121	8046	2188
17:35	MA10594-ICSA2	3871	26352	7786	1662
17:40	MA10594-ICSAB2	3843	26306	7768	1632
17:44	MA10594-CCV11	4278	29576	7983	1911
17:48	MA10594-CCB11	4473	31361	8078	2268
17:52	MA10594-CCV12	4329	30120	8013	1907
17:56	MA10594-CCB12	4507	31582	8093	2260

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10594 Units: ug/l

Time:			08:35		09:11		10:06		10:59	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	3.2	<200	4.9	<200	3.7	<200	11.6	<200
Antimony	6.0	1.3	0.0	<6.0	-1.0	<6.0	-0.50	<6.0	-0.90	<6.0
Arsenic	10	1.6	0.20	<10	0.60	<10	-0.10	<10	0.60	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	2.0	<1000	10.1	<1000	16.4	<1000	9.3	<1000
Chromium	10	1.8	0.10	<10	0.0	<10	0.10	<10	0.20	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-0.40	<300	3.9	<300	2.0	<300	8.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-7.5	<5000	10.8	<5000	15.6	<5000	4.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	1.9	<10000	-7.9	<10000	31.8	<10000	18.2	<10000
Selenium	10	2	-0.30	<10	1.8	<10	1.3	<10	0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	1.1	<10000	-2.4	<10000	6.4	<10000	1.6	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10594 Units: ug/l

Time:			11:49		12:54		13:32		14:26	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	10.5	<200	3.7	<200	4.2	<200	2.5	<200
Antimony	6.0	1.3	-1.9	<6.0	-2.2	<6.0	1.0	<6.0	1.4	<6.0
Arsenic	10	1.6	0.20	<10	0.0	<10	0.20	<10	0.30	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	10.4	<1000	7.7	<1000	3.7	<1000	13.6	<1000
Chromium	10	1.8	0.0	<10	-0.10	<10	-0.20	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	7.2	<300	4.4	<300	7.5	<300	8.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-4.0	<5000	3.6	<5000	-3.9	<5000	-6.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	23.1	<10000	21.0	<10000	6.8	<10000	-6.5	<10000
Selenium	10	2	0.90	<10	1.4	<10	-1.0	<10	-0.90	<10
Silver	10	.5	anr							
Sodium	10000	500	4.6	<10000	-0.80	<10000	13.1	<10000	11.1	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10594 Units: ug/l

Time:			15:14		16:06		16:57		17:48	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.0	<200	10.9	<200	6.2	<200	19.6	<200
Antimony	6.0	1.3	1.1	<6.0	1.4	<6.0	1.8	<6.0	2.2	<6.0
Arsenic	10	1.6	0.40	<10	0.60	<10	0.30	<10	0.20	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.0	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	7.3	<1000	12.8	<1000	8.3	<1000	17.8	<1000
Chromium	10	1.8	0.20	<10	0.30	<10	0.40	<10	0.50	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	11.7	<300	19.6	<300	17.2	<300	20.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-8.9	<5000	-5.7	<5000	4.7	<5000	4.1	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	29.3	<10000	66.4	<10000	46.9	<10000	25.9	<10000
Selenium	10	2	0.50	<10	-0.40	<10	-1.0	<10	-0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	12.6	<10000	31.1	<10000	16.8	<10000	9.6	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10594 Units: ug/l

Time:		08:27			09:03			10:02	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40700	101.8	40000	41100	102.8	40000	40700	101.8
Antimony	2000	2000	100.0	2000	2060	103.0	2000	2120	106.0
Arsenic	2000	1970	98.5	2000	2060	103.0	2000	2090	104.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2050	102.5	2000	2080	104.0	2000	2070	103.5
Calcium	40000	41300	103.3	40000	41200	103.0	40000	40700	101.8
Chromium	2000	2090	104.5	2000	2070	103.5	2000	2060	103.0
Cobalt	anr								
Copper	anr								
Iron	40000	40200	100.5	40000	41400	103.5	40000	42200	105.5
Lead	anr								
Magnesium	40000	38600	96.5	40000	41000	102.5	40000	41300	103.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39800	99.5	40000	41000	102.5	40000	41800	104.5
Selenium	2000	2030	101.5	2000	2070	103.5	2000	2110	105.5
Silver	anr								
Sodium	40000	40600	101.5	40000	41000	102.5	40000	40700	101.8
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10594 Units: ug/l

Time:		10:55			11:45			12:44	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41000	102.5	40000	40900	102.3	40000	41100	102.8
Antimony	2000	2050	102.5	2000	2120	106.0	2000	2100	105.0
Arsenic	2000	2040	102.0	2000	2100	105.0	2000	2080	104.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2080	104.0	2000	2080	104.0	2000	2100	105.0
Calcium	40000	41100	102.8	40000	40900	102.3	40000	41000	102.5
Chromium	2000	2090	104.5	2000	2090	104.5	2000	2120	106.0
Cobalt	anr								
Copper	anr								
Iron	40000	41000	102.5	40000	41900	104.8	40000	41200	103.0
Lead	anr								
Magnesium	40000	40700	101.8	40000	41200	103.0	40000	40800	102.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41000	102.5	40000	42300	105.8	40000	41700	104.3
Selenium	2000	2050	102.5	2000	2120	106.0	2000	2100	105.0
Silver	anr								
Sodium	40000	41300	103.3	40000	41000	102.5	40000	41400	103.5
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10594 Units: ug/l

Time:		13:25			14:22			15:03	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	41100	102.8	40000	40900	102.3
Antimony	2000	2020	101.0	2000	2110	105.5	2000	2050	102.5
Arsenic	2000	2020	101.0	2000	2100	105.0	2000	2030	101.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2070	103.5	2000	2070	103.5
Calcium	40000	41200	103.0	40000	41400	103.5	40000	41300	103.3
Chromium	2000	2050	102.5	2000	2070	103.5	2000	2110	105.5
Cobalt	anr								
Copper	anr								
Iron	40000	41000	102.5	40000	42000	105.0	40000	41100	102.8
Lead	anr								
Magnesium	40000	40800	102.0	40000	41400	103.5	40000	41000	102.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40100	100.3	40000	41700	104.3	40000	40200	100.5
Selenium	2000	2030	101.5	2000	2110	105.5	2000	2130	106.5
Silver	anr								
Sodium	40000	40800	102.0	40000	41000	102.5	40000	40500	101.3
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10594 Units: ug/l

Time:		16:03			16:53			17:44	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40900	102.3	40000	40400	101.0	40000	40500	101.3
Antimony	2000	2150	107.5	2000	2190	109.5	2000	2140	107.0
Arsenic	2000	2110	105.5	2000	2130	106.5	2000	2100	105.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2090	104.5	2000	2080	104.0	2000	2070	103.5
Calcium	40000	41300	103.3	40000	40900	102.3	40000	41100	102.8
Chromium	2000	2130	106.5	2000	2100	105.0	2000	2100	105.0
Cobalt	anr								
Copper	anr								
Iron	40000	42800	107.0	40000	43100	107.8	40000	42900	107.3
Lead	anr								
Magnesium	40000	42200	105.5	40000	42200	105.5	40000	42100	105.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41900	104.8	40000	41700	104.3	40000	41400	103.5
Selenium	2000	2220	111.0*(a	2000	2240	112.0*(b	2000	2210	110.0
Silver	anr								
Sodium	40000	40200	100.5	40000	39800	99.5	40000	40000	100.0
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible positive bias, but all sample results <MDL.
(b) No samples for Se_ reported in the area bracketed by this QC.

HIGH STANDARD CHECK SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10594 Units: ug/l

Time:		08:18	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80500	100.6
Antimony	4000	4010	100.3
Arsenic	4000	4020	100.5
Barium	anr		
Beryllium	anr		
Cadmium	4000	3980	99.5
Calcium	80000	79800	99.8
Chromium	4000	4000	100.0
Cobalt	anr		
Copper	anr		
Iron	80000	79000	98.8
Lead	anr		
Magnesium	80000	79700	99.6
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	80700	100.9
Selenium	4000	4020	100.5
Silver	anr		
Sodium	80000	80300	100.4
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10594 Units: ug/l

Time:			08:38		17:31	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	209	104.5	199	99.5
Antimony	10	5.0	5.2	104.0	7.4	148.0*(a
Arsenic	20	10	10.7	107.0	10.5	105.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.3	106.0	5.2	104.0
Calcium	2000	1000	1040	104.0	1040	104.0
Chromium	20	10	10.5	105.0	10.6	106.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	320	106.7	337	112.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5070	101.4	5210	104.2
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	10200	102.0	10300	103.0
Selenium	20	10	10.6	106.0	11.6	116.0
Silver	20	10	anr			
Sodium	20000	10000	10100	101.0	9870	98.7
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible instrument baseline drift.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031213M1.ICP Date Analyzed: 03/12/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10594 Units: ug/l

Time:			08:47		08:54		17:35		17:40	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	510000	102.0	508000	101.6	492000	98.4	501000	100.2
Antimony		1000	0.90		1030	103.0	3.7		1050	105.0
Arsenic		1000	0.80		1010	101.0	3.4		1020	102.0
Barium		500	-0.20		519	103.8	-0.10		510	102.0
Beryllium		500	-0.20		512	102.4	-0.10		516	103.2
Cadmium		1000	0.0		965	96.5	-1.9		956	95.6
Calcium	500000	500000	479000	95.8	474000	94.8	470000	94.0	469000	93.8
Chromium		500	0.10		501	100.2	0.60		499	99.8
Cobalt		500	0.50		478	95.6	0.60		478	95.6
Copper		500	1.7		563	112.6	2.0		572	114.4
Iron	200000	200000	186000	93.0	192000	96.0	195000	97.5	195000	97.5
Lead		1000	0.0		937	93.7	2.8		899	89.9
Magnesium	500000	500000	488000	97.6	494000	98.8	500000	100.0	501000	100.2
Manganese		500	-0.70		511	102.2	-1.4		524	104.8
Molybdenum		1000	0.0		936	93.6	0.50		956	95.6
Nickel		1000	-0.50		967	96.7	-0.30		988	98.8
Potassium			-1.4		-8.8		37.2		48.2	
Selenium		1000	0.0		1000	100.0	0.80		1040	104.0
Silver		1000	-0.20		1050	105.0	-0.80		1070	107.0
Sodium			45.2		63.5		65.4		85.5	
Strontium		1000	11.8		981	98.1	12.6		985	98.5
Thallium		1000	-1.6		935	93.5	-0.70		936	93.6
Tin		1000	-0.70		871	87.1	0.10		881	88.1
Titanium		1000	-1.7		990	99.0	-1.5		1020	102.0
Vanadium		500	-0.50		501	100.2	0.10		506	101.2
Zinc		1000	1.5		964	96.4	1.4		970	97.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10598
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:07	MA10598-STD1	1		STDA
08:12	MA10598-STD2	1		STDB
08:15	MA10598-STD3	1		STDC
08:18	MA10598-STD4	1		STDD
08:23	MA10598-HSTD1	1		
08:35	MA10598-ICV1	1		
08:42	MA10598-ICB1	1		
08:46	MA10598-CRIA1	1		
08:58	MA10598-ICSA1	1		
09:06	MA10598-ICSAB1	1		
09:13	MA10598-CCV1	1		
09:22	MA10598-CCB1	1		
09:26	MP24769-MB1	1		
09:30	MP24769-B1	1		
09:34	FA2561-1	1		(sample used for QC only; not part of login FA2520)
09:38	MP24769-D1	1		
09:43	MP24769-SD1	5		
09:47	MP24769-PS1	1		
09:51	MP24769-S1	1		
09:55	MP24769-S2	1		
09:59	ZZZZZZ	1		
10:03	ZZZZZZ	1		
10:07	MA10598-CCV2	1		
10:11	MA10598-CCB2	1		
10:15	ZZZZZZ	1		
10:19	ZZZZZZ	1		
10:24	ZZZZZZ	1		
10:28	ZZZZZZ	1		
10:32	ZZZZZZ	1		
10:36	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:44	ZZZZZZ	1		
10:48	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10598
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:52	ZZZZZZ	1		
10:56	MA10598-CCV3	1		
11:00	MA10598-CCB3	1		
11:05	ZZZZZZ	1		
11:09	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:17	ZZZZZZ	1		
11:21	ZZZZZZ	1		
11:25	ZZZZZZ	1		
11:29	ZZZZZZ	1		
11:33	ZZZZZZ	2		
11:37	ZZZZZZ	2		
11:42	ZZZZZZ	2		
11:46	MA10598-CCV4	1		
11:50	MA10598-CCB4	1		
11:54	ZZZZZZ	2		
11:58	ZZZZZZ	4		
12:02	ZZZZZZ	4		
12:07	ZZZZZZ	2		
12:11	ZZZZZZ	2		
12:15	ZZZZZZ	4		
12:20	FA2360-1	2		(sample used for QC only; not part of login FA2520)
12:24	MP24761-D1	2		
12:29	MP24761-S1	2		
12:33	MP24761-S2	2		
12:37	MA10598-CCV5	1		
12:41	MA10598-CCB5	1		
12:45	MP24761-PS1	2		
12:50	MP24761-SD1	10		
12:54	ZZZZZZ	2		
12:58	ZZZZZZ	4		
13:02	ZZZZZZ	4		
13:07	ZZZZZZ	4		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10598
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:11	ZZZZZZ	4		
13:15	ZZZZZZ	2		
13:19	ZZZZZZ	2		
13:24	ZZZZZZ	10		
13:28	MA10598-CCV6	1		
13:32	MA10598-CCB6	1		
13:36	ZZZZZZ	2		
13:41	ZZZZZZ	1		
13:45	FA2520-1	20		
13:49	MP24768-D1	20		
13:53	MP24768-S1	20		
13:57	MP24768-S2	20		
14:02	MP24768-PS1	20		
14:06	MP24768-SD1	100		
---------->	Last reportable sample/prep for job FA2520			
14:10	MP24773-MB1	1		
14:14	MP24773-B1	1		
14:18	MA10598-CCV7	1		
14:22	MA10598-CCB7	1		
14:26	FA2215-1	1		(sample used for QC only; not part of login FA2520)
14:30	MP24773-D1	1		
14:34	MP24773-SD1	5		
14:38	MP24773-S1	1		
14:42	MP24773-S2	1		
14:46	ZZZZZZ	1		
14:50	ZZZZZZ	1		
14:55	ZZZZZZ	1		
14:59	ZZZZZZ	1		
15:03	ZZZZZZ	1		
15:07	MA10598-CCV8	1		
15:11	MA10598-CCB8	1		
15:15	MP24773-MB2	1		
15:19	MP24773-B2	1		
15:23	MP24773-MB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10598
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:27	MP24773-B3	1		
15:31	MP24776-MB1	1		
15:35	MP24776-B1	1		
15:39	FA2468-1	1		(sample used for QC only; not part of login FA2520)
15:43	MP24776-D1	1		
15:47	MP24776-SD1	5		
15:52	MP24776-PS1	1		
15:56	MA10598-CCV9	1		
16:00	MA10598-CCB9	1		
16:04	MP24776-S1	1		
16:08	MP24776-S2	1		
16:12	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:37	ZZZZZZ	1		
16:41	ZZZZZZ	1		
16:45	MA10598-CCV10	1		
16:49	MA10598-CCB10	1		
16:53	ZZZZZZ	1		
16:57	ZZZZZZ	1		
17:01	ZZZZZZ	1		
17:05	ZZZZZZ	1		
17:09	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:18	ZZZZZZ	1		
17:22	ZZZZZZ	1		
17:26	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:34	MA10598-CCV11	1		
17:38	MA10598-CCB11	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10598
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:43	ZZZZZZ	1		
17:47	MP24776-MB2A	1		
17:51	MA10598-CRIA2	1		
17:55	MA10598-ICSA2	1		
17:59	MA10598-ICSAB2	1		
18:03	MA10598-CCV12	1		
18:07	MA10598-CCB12	1		

----------> Last reportable CCB for job FA2520
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10598
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:07	MA10598-STD1	8767	50249	8073	3601
08:12	MA10598-STD2	8652	48810	8039	3364
08:15	MA10598-STD3	8319	46828	8040	3019
08:18	MA10598-STD4	7961	44964	7917	2738
08:23	MA10598-HSTD1	8146	46329	8083	2797
08:35	MA10598-ICV1	8417	47028	8070	3021
08:42	MA10598-ICB1	8763 R	49649 R	7963 R	3534 R
08:46	MA10598-CRIA1	8723	49242	8086	3436
08:58	MA10598-ICSA1	7709	41244	7795	2639
09:06	MA10598-ICSAB1	7739	41529	7781	2595
09:13	MA10598-CCV1	8322	46116	7857	2932
09:22	MA10598-CCB1	8996	50886	8182	3609
09:26	MP24769-MB1	8861	49922	8335	3525
09:30	MP24769-B1	8571	47844	8170	3158
09:34	FA2561-1	8664	48632	8116	3215
09:38	MP24769-D1	9328	52694	8789	3446
09:43	MP24769-SD1	9200	51782	8498	3518
09:47	MP24769-PS1	9125	50499	8540	3285
09:51	MP24769-S1	9158	50287	8675	3199
09:55	MP24769-S2	9035	49540	8519	3157
09:59	ZZZZZZ	8955	50462	8326	3422
10:03	ZZZZZZ	8971	50210	8262	3432
10:07	MA10598-CCV2	8565	47007	7974	2976
10:11	MA10598-CCB2	9036	51233	8217	3612
10:15	ZZZZZZ	8741	50561	8269	3335
10:19	ZZZZZZ	8921	50394	8293	3470
10:24	ZZZZZZ	9321	52409	8735	3449
10:28	ZZZZZZ	9138	50978	8470	3399
10:32	ZZZZZZ	8755	49854	8223	3408
10:36	ZZZZZZ	8835	48039	8128	3250
10:40	ZZZZZZ	8969	50288	8206	3395
10:44	ZZZZZZ	8857	50181	8210	3407
10:48	ZZZZZZ	9188	52351	8619	3494

INTERNAL STANDARD SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10598
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:52	ZZZZZZ	8939	50867	8300	3475
10:56	MA10598-CCV3	8484	46839	8021	3001
11:00	MA10598-CCB3	8732	49868	8006	3510
11:05	ZZZZZZ	8779	48699	8124	3296
11:09	ZZZZZZ	9036	49858	8164	3346
11:13	ZZZZZZ	9040	50503	8281	3386
11:17	ZZZZZZ	8856	50401	8202	3415
11:21	ZZZZZZ	9049	51330	8433	3446
11:25	ZZZZZZ	9005	50807	8343	3416
11:29	ZZZZZZ	8845	49417	8284	3334
11:33	ZZZZZZ	10013	54315	9346	3100
11:37	ZZZZZZ	9973	55341	9421	3206
11:42	ZZZZZZ	10249	56905	9683	3172
11:46	MA10598-CCV4	8652	48389	8260	3083
11:50	MA10598-CCB4	8791	49727	8012	3551
11:54	ZZZZZZ	9971	54496	9426	3055
11:58	ZZZZZZ	9424	52125	8662	3353
12:02	ZZZZZZ	9213	51652	8631	3251
12:07	ZZZZZZ	10111	55525	9553	3238
12:11	ZZZZZZ	10363	56839	10056 !	2921
12:15	ZZZZZZ	10241	55235	9724	2935
12:20	FA2360-1	9699	52495	9349	2851
12:24	MP24761-D1	9491	52757	9245	2892
12:29	MP24761-S1	8971	49277	8682	2877
12:33	MP24761-S2	9403	51385	9180	2788
12:37	MA10598-CCV5	8447	46214	7775	2980
12:41	MA10598-CCB5	9104	51064	8121	3639
12:45	MP24761-PS1	9579	52840	9368	2817
12:50	MP24761-SD1	9148	51318	8513	3342
12:54	ZZZZZZ	9059	49097	8827	2946
12:58	ZZZZZZ	8869	47675	8321	2970
13:02	ZZZZZZ	9079	50091	8429	3225
13:07	ZZZZZZ	8602	47216	8129	3030

INTERNAL STANDARD SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10598
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:11	ZZZZZZ	8803	48438	8402	3088
13:15	ZZZZZZ	9507	51517	9056	3043
13:19	ZZZZZZ	10107	53421	9482	2910
13:24	ZZZZZZ	8902	49545	8115	3290
13:28	MA10598-CCV6	8486	47332	7933	3039
13:32	MA10598-CCB6	8866	50156	8003	3592
13:36	ZZZZZZ	10785	56912	10231 !	2968
13:41	ZZZZZZ	9208	52545	8280	3690
13:45	FA2520-1	8962	49471	8373	3174
13:49	MP24768-D1	9050	49512	8459	3196
13:53	MP24768-S1	9093	49521	8548	3179
13:57	MP24768-S2	9080	48796	8403	3155
14:02	MP24768-PS1	9083	49196	8354	3165
14:06	MP24768-SD1	8973	50053	8191	3481
14:10	MP24773-MB1	8963	51225	8042	3623
14:14	MP24773-B1	8898	49423	8109	3315
14:18	MA10598-CCV7	8580	46996	7888	3032
14:22	MA10598-CCB7	8958	49818	7871	3553
14:26	FA2215-1	8805	49382	8006	3425
14:30	MP24773-D1	8688	48767	8005	3410
14:34	MP24773-SD1	8857	49907	7978	3573
14:38	MP24773-S1	8601	47234	7985	3138
14:42	MP24773-S2	8737	47504	8021	3153
14:46	ZZZZZZ	8846	49748	8066	3439
14:50	ZZZZZZ	8910	50325	8216	3517
14:55	ZZZZZZ	8704	48432	8023	3403
14:59	ZZZZZZ	8711	47135	7891	3250
15:03	ZZZZZZ	8890	50602	8079	3576
15:07	MA10598-CCV8	8452	47326	7890	3061
15:11	MA10598-CCB8	8878	50342	8019	3617
15:15	MP24773-MB2	9099	51024	7941	3677
15:19	MP24773-B2	8521	47867	7980	3233
15:23	MP24773-MB3	8677	49720	7871	3591

INTERNAL STANDARD SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10598
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:27	MP24773-B3	8494	47465	7973	3213
15:31	MP24776-MB1	8945	50583	8069	3616
15:35	MP24776-B1	8531	47436	7894	3204
15:39	FA2468-1	8859	50598	8061	3580
15:43	MP24776-D1	8979	50844	8173	3613
15:47	MP24776-SD1	8930	50917	8106	3633
15:52	MP24776-PS1	8816	49058	8127	3413
15:56	MA10598-CCV9	8407	45960	7674	2999
16:00	MA10598-CCB9	8834	50674	7980	3624
16:04	MP24776-S1	8545	48466	8066	3246
16:08	MP24776-S2	8665	48299	8066	3267
16:12	ZZZZZZ	8934	50122	8086	3584
16:16	ZZZZZZ	8665	47805	7749	3420
16:20	ZZZZZZ	8994	49371	8218	3253
16:24	ZZZZZZ	8028	45418	7882	3024
16:28	ZZZZZZ	8545	48543	8057	3337
16:32	ZZZZZZ	8497	47771	8064	3258
16:37	ZZZZZZ	8621	47443	7959	3245
16:41	ZZZZZZ	8099	43783	7693	2881
16:45	MA10598-CCV10	8436	46978	7885	3048
16:49	MA10598-CCB10	8567	49291	7751	3542
16:53	ZZZZZZ	8186	45556	7742	3092
16:57	ZZZZZZ	8480	47888	7956	3269
17:01	ZZZZZZ	8808	48560	8020	3330
17:05	ZZZZZZ	8847	49272	8038	3434
17:09	ZZZZZZ	7663	43995	7607	3125
17:14	ZZZZZZ	8646	49660	8037	3476
17:18	ZZZZZZ	8605	49000	8071	3402
17:22	ZZZZZZ	8738	49175	8016	3459
17:26	ZZZZZZ	8233	45845	7691	3104
17:30	ZZZZZZ	8508	47985	8003	3282
17:34	MA10598-CCV11	8263	46732	7784	3041
17:38	MA10598-CCB11	8883	50808	8068	3671

INTERNAL STANDARD SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10598
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:43	ZZZZZZ	8511	47404	8095	3285
17:47	MP24776-MB2A	8868	49415	7778	3571
17:51	MA10598-CRIA2	8676	48500	7764	3433
17:55	MA10598-ICSA2	7346	40107	7379	2603
17:59	MA10598-ICSAB2	7581	41446	7588	2647
18:03	MA10598-CCV12	8434	46527	7795	3056
18:07	MA10598-CCB12	8851	49738	7807	3582

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10598 Units: ug/l

Time:			08:42		09:22		10:11		11:00	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	8.9	<10000	33.4	<10000	47.9	<10000	32.1	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10598 Units: ug/l

Time:			11:50		12:41		13:32		14:22	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	20.7	<10000	39.9	<10000	22.0	<10000	59.8	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10598 Units: ug/l

Time:			15:11		16:00		16:49		17:38	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	54.6	<10000	38.8	<10000	125	<10000	71.0	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10598 Units: ug/l

Time:			18:07	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	15	anr	
Antimony	6.0	1.3	anr	
Arsenic	10	1.6	anr	
Barium	200	1	anr	
Beryllium	4.0	.5	anr	
Cadmium	5.0	.5	anr	
Calcium	1000	50	anr	
Chromium	10	1.8	anr	
Cobalt	50	.5	anr	
Copper	25	1	anr	
Iron	300	29	anr	
Lead	5.0	1.1	anr	
Magnesium	5000	74	anr	
Manganese	15	.7	anr	
Molybdenum	50	.6		
Nickel	40	.5	anr	
Potassium	10000	200	anr	
Selenium	10	2	anr	
Silver	10	.5	anr	
Sodium	10000	500	73.6	<10000
Strontium	10	.5		
Thallium	10	1.3	anr	
Tin	50	.7	anr	
Titanium	10	.9		
Vanadium	50	.5	anr	
Zinc	20	3	anr	

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10598 Units: ug/l

Time:		08:35			09:13			10:07	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40200	100.5	40000	41000	102.5	40000	41300	103.3
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10598 Units: ug/l

Time:		10:56			11:46			12:37	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	41400	103.5	40000	39800	99.5	40000	41400	103.5
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10598 Units: ug/l

Time:		13:28			14:18			15:07	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40800	102.0	40000	40200	100.5	40000	40500	101.3
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10598 Units: ug/l

Time:		15:56			16:45			17:34	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	40500	101.3	40000	40400	101.0	40000	40700	101.8
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10598 Units: ug/l

Time:		18:03	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	40000	40200	100.5
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10598 Units: ug/l

Time:		08:23	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	80000	78500	98.1
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10598 Units: ug/l

Time:			08:46		17:51	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	anr			
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	10300	103.0	10400	104.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031313M1.ICP Date Analyzed: 03/13/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10598 Units: ug/l

Time:			08:58		09:06		17:55		17:59	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	506000	101.2	500000	100.0	510000	102.0	501000	100.2
Antimony		1000	0.80		941	94.1	2.7		994	99.4
Arsenic		1000	0.10		941	94.1	0.40		980	98.0
Barium		500	-0.40		521	104.2	-0.20		523	104.6
Beryllium		500	0.0		487	97.4	-0.20		499	99.8
Cadmium		1000	0.0		949	94.9	-0.10		962	96.2
Calcium	500000	500000	481000	96.2	481000	96.2	485000	97.0	470000	94.0
Chromium		500	-0.10		498	99.6	-0.50		493	98.6
Cobalt		500	0.40		467	93.4	0.30		473	94.6
Copper		500	0.0		510	102.0	0.50		525	105.0
Iron	200000	200000	188000	94.0	187000	93.5	194000	97.0	191000	95.5
Lead		1000	0.70		970	97.0	-0.40		934	93.4
Magnesium	500000	500000	466000	93.2	463000	92.6	479000	95.8	465000	93.0
Manganese		500	0.0		505	101.0	-0.20		507	101.4
Molybdenum		1000	0.0		851	85.1	-0.30		912	91.2
Nickel		1000	0.10		898	89.8	0.10		948	94.8
Potassium			18.6		23.2		127		72.6	
Selenium		1000	0.30		929	92.9	3.3		973	97.3
Silver		1000	0.0		1010	101.0	-0.30		1010	101.0
Sodium			90.9		129		201		210	
Strontium		1000	12.0		935	93.5	13.0		986	98.6
Thallium		1000	0.40		905	90.5	-0.50		930	93.0
Tin		1000	-1.1		833	83.3	-1.5		854	85.4
Titanium		1000	-2.1		952	95.2	-2.1		972	97.2
Vanadium		500	0.0		484	96.8	0.0		490	98.0
Zinc		1000	1.2		962	96.2	1.2		962	96.2

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24768
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					03/12/13		03/12/13
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	15	15	7.3	<200	7.2	<200
Antimony	6.0	1.3	1.3	1.3	<6.0	1.6	<6.0
Arsenic	10	1.6	2.5	0.0	<10	-0.40	<10
Barium	200	1	1				
Beryllium	4.0	.5	.5				
Cadmium	5.0	.5	.5	0.0	<5.0	-0.20	<5.0
Calcium	1000	50	50	3.3	<1000	-1.1	<1000
Chromium	10	1.8	2	0.40	<10	0.20	<10
Cobalt	50	.5	.5				
Copper	25	1	1				
Iron	300	29	29	3.2	<300	0.70	<300
Lead	5.0	1.1	1.1				
Magnesium	5000	74	74	-9.0	<5000	-12	<5000
Manganese	15	.7	.7				
Molybdenum	50	.6	1				
Nickel	40	.5	.5				
Potassium	10000	200	200	-5.6	<10000	12.3	<10000
Selenium	10	2	2	-1.0	<10	-0.80	<10
Silver	10	.5	.5				
Sodium	10000	500	500	4.2	<10000	-0.20	<10000
Strontium	10	.5	.5				
Thallium	10	1.3	1.3				
Tin	50	.7	1.8				
Titanium	10	.9	1				
Vanadium	50	.5	1				
Zinc	20	3	5				

Associated samples MP24768: FA2520-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24768
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/13 03/12/13

Metal	FA2520-1 Original	DUP	RPD	QC Limits	FA2520-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	1410000	1390000a	1.4	0-20	1410000	1430000a	27000	74.1 (b)	80-120
Antimony	0.0	0.0 (a)	NC	0-20	0.0	446 (a)	500	89.2	80-120
Arsenic	288	287 (a)	0.3	0-20	288	2060 (a)	2000	88.6	80-120
Barium	anr								
Beryllium	anr								
Cadmium	3400	3350 (a)	1.5	0-20	3400	3440 (a)	50	80.0	80-120
Calcium	659000	572000(a	1.6	0-20	659000	597000(a	25000	64.0 (b)	80-120
Chromium	3170	3150 (a)	0.6	0-20	3170	3370 (a)	200	100.0	80-120
Cobalt	anr								
Copper	anr								
Iron	1520000	1480000a	2.7	0-20	1520000	1550000a	26000	115.4	80-120
Lead	anr								
Magnesium	1030000	1010000a	2.0	0-20	1030000	1060000a	25000	120.0	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	395000	386000(a	2.3	0-20	395000	420000(a	25000	100.0	80-120
Selenium	0.0	0.0 (a)	NC	0-20	0.0	1910 (a)	2000	95.5	80-120
Silver	anr								
Sodium	847000	816000	3.7	0-20	847000	879000	25000	128.0(b)	80-120
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP24768: FA2520-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Sample dilution required due to sample matrix.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24768
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/13

Metal	FA2520-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	1410000	1420000a	27000	37.0 (b)	0.7	20
Antimony	0.0	459 (a)	500	91.8	2.9	20
Arsenic	288	2090 (a)	2000	90.1	1.4	20
Barium	anr					
Beryllium	anr					
Cadmium	3400	3430 (a)	50	60.0 (b)	0.3	20
Calcium	659000	595000(a	25000	56.0 (b)	0.3	20
Chromium	3170	3350 (a)	200	90.0	0.6	20
Cobalt	anr					
Copper	anr					
Iron	1520000	1540000a	26000	76.9 (b)	0.6	20
Lead	anr					
Magnesium	1030000	1060000a	25000	120.0	0.0	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	395000	423000(a	25000	112.0	0.7	20
Selenium	0.0	1960 (a)	2000	98.0	2.6	20
Silver	anr					
Sodium	847000	820000	25000	-108.0(b	6.9	20
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP24768: FA2520-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Sample dilution required due to sample matrix.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24768
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	26500	27000	98.1	80-120
Antimony	498	500	99.6	80-120
Arsenic	1910	2000	95.5	80-120
Barium	anr			
Beryllium	anr			
Cadmium	49.9	50	99.8	80-120
Calcium	25100	25000	100.4	80-120
Chromium	208	200	104.0	80-120
Cobalt	anr			
Copper	anr			
Iron	26000	26000	100.0	80-120
Lead	anr			
Magnesium	24200	25000	96.8	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	24100	25000	96.4	80-120
Selenium	2030	2000	101.5	80-120
Silver	anr			
Sodium	24100	25000	96.4	80-120
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP24768: FA2520-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24768
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/13

Metal	FA2520-1 Original	SDL 5:25	%DIF	QC Limits
Aluminum	1410000	1750000	24.5*(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	288	349	21.2 (b)	0-10
Barium	anr			
Beryllium	anr			
Cadmium	3400	4430	30.3*(a)	0-10
Calcium	659000	745000	28.1*(a)	0-10
Chromium	3170	4040	27.5*(a)	0-10
Cobalt	anr			
Copper	anr			
Iron	1520000	2060000	35.9*(a)	0-10
Lead	anr			
Magnesium	1030000	1270000	23.3*(a)	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	395000	482000	21.9*(a)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	847000	860000	1.6	0-10
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP24768: FA2520-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24768
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/13

Metal	Sample ml	Final ml	FA2520-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	1572000	1377880	1400000	0.2	125	2500	884.8*(a	80-120
Antimony	9.8	10	0	0	90.3	0.2	5	100	90.3	80-120
Arsenic	9.8	10	282.4	281.75	374.4	0.2	5	100	92.7	80-120
Barium										
Beryllium										
Cadmium	9.8	10	3970	3332	3418	0.2	2.5	50	172.0*(a	80-120
Calcium	9.8	10	581400	569772	579200	0.2	250	5000	188.6*(a	80-120
Chromium	9.8	10	3578	3109.54	3213	0.2	2.5	50	206.9*(a	80-120
Cobalt										
Copper										
Iron	9.8	10	1785000	1485680	1508000	0.2	150	3000	744.0*(a	80-120
Lead										
Magnesium	9.8	10	1114000	1011360	1031000	0.2	250	5000	392.8*(a	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	395000	387100	402500	0.2	500	10000	154.0*(a	80-120
Selenium	9.8	10	0	0	95.4	0.2	5	100	95.4	80-120
Silver										
Sodium	9.8	10	846800	731178	740400	0.2	500	10000	92.2	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24768: FA2520-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN54554	5.0	0.70	mg/l	250	250	100.0	90-113%
Chloride	GP21139/GN54542	2.0	0.0	mg/l	50	49.2	98.4	90-110%
Fluoride	GP21139/GN54542	0.20	0.0	mg/l	2.5	2.40	96.0	90-110%
Nitrogen, Nitrate	GP21139/GN54542	0.10	0.0	mg/l	2.5	2.40	96.0	90-110%
Nitrogen, Nitrite	GP21139/GN54542	0.10	0.0	mg/l	2.5	2.47	98.8	90-110%
Phosphate, Ortho	GP21155/GN54582	0.10	0.0	mg/l	0.300	0.31	104.0	83-116%
Phosphorus, Total	GP21161/GN54612	0.10	0.0	mg/l	.300	0.29	97.6	81-118%
Solids, Total Dissolved	GN54645	100	18.0	mg/l				
Specific Conductivity	GN54556	1.0	0.0	umhos/cm				
Sulfate	GP21139/GN54542	2.0	0.0	mg/l	50	50.2	100.4	90-110%

Associated Samples:
Batch GN54554: FA2520-1
Batch GN54556: FA2520-1
Batch GN54645: FA2520-1
Batch GP21139: FA2520-1
Batch GP21155: FA2520-1F
Batch GP21161: FA2520-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN54554	FA2439-6	mg/l	0.60 U	0.0	0.0	0-20%
Phosphorus, Total	GP21161/GN54612	FA2520-1	mg/l	1790	1760	1.8	0-22%
Solids, Total Dissolved	GN54645	FA2559-1	mg/l	192	194	1.0	0-5%
Specific Conductivity	GN54556	FA2520-1	umhos/cm	15500	15500	0.2	0-10%
pH	GN54576	FA2503-2	su	4.26	4.23	0.7	0-10%

Associated Samples:
Batch GN54554: FA2520-1
Batch GN54556: FA2520-1
Batch GN54576: FA2520-1
Batch GN54645: FA2520-1
Batch GP21161: FA2520-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN54554	FA2439-6	mg/l	0.60 U	250	261	104.0	90-113%
Chloride	GP21139/GN54551	FA2501-1	mg/l	70.2	50	114	87.6N(a)	90-110%
Fluoride	GP21139/GN54551	FA2501-1	mg/l	0.24	2.5	2.1	74.4N(a)	90-110%
Nitrogen, Nitrate	GP21139/GN54551	FA2501-1	mg/l	0.050 U	2.5	2.1	84.0N(a)	90-110%
Nitrogen, Nitrite	GP21139/GN54551	FA2501-1	mg/l	0.050 U	2.5	2.3	92.0	90-110%
Phosphate, Ortho	GP21155/GN54582	FA2520-1F	mg/l	716	1500	2870	143.0(b)	83-116%
Phosphorus, Total	GP21161/GN54612	FA2520-1	mg/l	1790	.300	1820	10800.0(c)	81-118%
Sulfate	GP21139/GN54551	FA2501-1	mg/l	2.0	50	46.3	88.6N(a)	90-110%

Associated Samples:
Batch GN54554: FA2520-1
Batch GP21139: FA2520-1
Batch GP21155: FA2520-1F
Batch GP21161: FA2520-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP21139/GN54551	FA2501-1	mg/l	70.2	50	114	0.0(a)	
Fluoride	GP21139/GN54551	FA2501-1	mg/l	0.24	2.5	2.2	4.7(a)	
Nitrogen, Nitrate	GP21139/GN54551	FA2501-1	mg/l	0.050 U	2.5	2.1	0.0(a)	
Nitrogen, Nitrite	GP21139/GN54551	FA2501-1	mg/l	0.050 U	2.5	2.3	0.0	
Phosphate, Ortho	GP21155/GN54582	FA2520-1F	mg/l	716	1500	2850	0.0(b)	26%
Phosphorus, Total	GP21161/GN54612	FA2520-1	mg/l	1790	.300	18000	1.2	22%
Sulfate	GP21139/GN54551	FA2501-1	mg/l	2.0	50	46.2	0.2(a)	

Associated Samples:
Batch GP21139: FA2520-1
Batch GP21155: FA2520-1F
Batch GP21161: FA2520-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090301.TXT Date Analyzed: 03/09/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54542
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:59	GN54542-CCV1	1		
12:15	GN54542-CCB1	1		
12:31	GP21139-MB1	1		
12:47	GP21139-B1	1		
13:34	FA2501-1	1		(sample used for QC only; not part of login FA2520)
14:07	ZZZZZZ	1		
14:39	ZZZZZZ	1		
15:10	GN54542-CCV2	1		
15:27	GN54542-CCB2	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313090301.TXT Date Analyzed: 03/09/13 Methods: EPA 300/SW846 9056A
Run ID: GN54542 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54542-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54542-CCV1	Chloride	49.4	2.0	0.80	50	98.8	90-110
GN54542-CCV1	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54542-CCV1	Sulfate	50.0	2.0	0.60	50	100.0	90-110
GN54542-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54542-CCB1	Chloride	0.80 U	2.0	0.80			
GN54542-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54542-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54542-CCV2	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54542-CCV2	Chloride	49.4	2.0	0.80	50	98.8	90-110
GN54542-CCV2	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54542-CCV2	Sulfate	49.4	2.0	0.60	50	98.8	90-110
GN54542-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54542-CCB2	Chloride	0.80 U	2.0	0.80			
GN54542-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54542-CCB2	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110301.TXT Date Analyzed: 03/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54551
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:22	GN54551-CCV1	1		
09:39	GN54551-CCB1	1		
09:55	GP21141-MB1	1		
10:11	GP21141-B1	1		
10:59	ZZZZZZ	2		
11:15	ZZZZZZ	2		
11:30	FA2520-1	500		
12:02	GP21139-S1	1		
12:18	GP21139-S2	1		
12:34	GN54551-CCV2	1		
12:50	GN54551-CCB2	1		
13:06	ZZZZZZ	25		
13:22	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:53	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:41	ZZZZZZ	1		
15:13	FA2382-5	1		(sample used for QC only; not part of login FA2520)
15:29	ZZZZZZ	1		
15:45	GN54551-CCV3	1		
16:01	GN54551-CCB3	1		
16:16	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:48	ZZZZZZ	1		
17:04	ZZZZZZ	1		
17:20	ZZZZZZ	1		
17:36	ZZZZZZ	1		
17:52	FA2213-1	25		(sample used for QC only; not part of login FA2520)
18:08	GN54551-CCV4	1		
18:24	GN54551-CCB4	1		
18:40	GP21141-S1	25		
18:56	GP21141-S2	25		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110301.TXT Date Analyzed: 03/11/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54551
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:11	GP21141-S3	1		
19:27	GP21141-S4	1		
19:43	GN54551-CCV5	1		
19:59	GN54551-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2520
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313110301.TXT Date Analyzed: 03/11/13 Methods: EPA 300/SW846 9056A
Run ID: GN54551 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54551-CCV1	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN54551-CCV1	Chloride	51.1	2.0	0.80	50	102.2	90-110
GN54551-CCV1	Nitrogen, Nitrate	2.3	0.10	0.050	2.5	92.0	90-110
GN54551-CCV1	Sulfate	48.1	2.0	0.60	50	96.2	90-110
GN54551-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54551-CCB1	Chloride	0.80 U	2.0	0.80			
GN54551-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54551-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54551-CCV2	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN54551-CCV2	Chloride	51.0	2.0	0.80	50	102.0	90-110
GN54551-CCV2	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54551-CCV2	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN54551-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54551-CCB2	Chloride	0.80 U	2.0	0.80			
GN54551-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54551-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54551-CCV3	Chloride	51.0	2.0	0.80	50	102.0	90-110
GN54551-CCV3	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN54551-CCB3	Chloride	0.80 U	2.0	0.80			
GN54551-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54551-CCV4	Chloride	51.1	2.0	0.80	50	102.2	90-110
GN54551-CCV4	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN54551-CCB4	Chloride	0.80 U	2.0	0.80			
GN54551-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54551-CCV5	Chloride	51.1	2.0	0.80	50	102.2	90-110
GN54551-CCV5	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN54551-CCB5	Chloride	0.80 U	2.0	0.80			
GN54551-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

04/05/13

Technical Report for

WSP Environment & Energy

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

36785.01

Accutest Job Number: FA2520R

Sampling Date: 03/07/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
brian.kelly@wspgroup.com; tim.huff@wspgroup.com;
isaac.pelz@wspgroup.com; steve.dawson@wspgroup.com
ATTN: Tim Huff

Total number of pages in report: **15**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA2520R

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Project No: 36785.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA2520-1R	03/07/13	15:50	TP	03/09/13	AQ	Ground Water	A-34-022

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA2520R

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda **Report Date:** 4/5/2013 2:48:09 PM

1 Sample was collected on 03/07/2013 and was received at Accutest SE on 03/09/2013 properly preserved, at 3.6 Deg. C and intact. The Sample received an Accutest job number of FA2520R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55019

All method blanks for this batch meet method specific criteria.

Sample(s) FA3169-33DUP was used as the QC sample for Solids, Total Dissolved.

The following sample was run outside of holding time for method SM19 2540C: FA2520-1R. Sample analyzed beyond hold time.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: April 5, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA2520R
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/07/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2520-1R	**A-34-022**					
Solids, Total Dissolved [a]		18800	1000	100	mg/l	SM19 2540C

(a) Sample analyzed beyond hold time.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA2520-1R	**Date Sampled:**	03/07/13
Matrix:	AQ - Ground Water	**Date Received:**	03/09/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved [a]	18800	1000	100	mg/l	10	04/03/13	KC	SM19 2540C

(a) Sample analyzed beyond hold time.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, FL 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA2520 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: INST ENV + ENG
Address: 705 W PARK ST.
City: JACKSON State: MO Zip: 63755
Project Contact: TIM HUFF E-mail: TIM.HUFF@WSPGROUP.COM
Phone#: 573-217-6759
Sampler(s) Name(s) (Printed): T. HATTIE

Project Information

Project Name: AGRIUM
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information: SEE ATTACHED

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	Analytical Information	Lab Use Only
1	A.34.022	030913	1550	TP	GW	4		X			X	X				X	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	030713 1650	2 FX	3 FX	03/09/13 1000	4 Frank Torres ABSE 03/09/13 1000
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 3.6

FA2520R: Chain of Custody
Page 1 of 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA2520 CLIENT: WSP Env PROJECT: AGrium

DATE/TIME RECEIVED: 03/09/13 10:00 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8017 3227 8911

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +04
- [ ] OBSERVED TEMPS: 3.2
- [ ] CORRECTED TEMPS: 3.6

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE [signature] 03/09/13 REVIEWER SIGNATURE/DATE [signature] 3-9-13

NF 12/10

receipt confirmation 122910.xls

5.1

5

FA2520R: Chain of Custody

Page 2 of 4

*HIGH PHOSPHATE CONCENTRATIONS

Analyte List #2 (groundwater samples and groundwater sampling equipment blanks)

- total dissolved solids (TDS)
- Total metals - aluminum, antimony, arsenic, cadmium, calcium, chromium, iron, magnesium, potassium, selenium, and sodium
- chloride, fluoride, nitrate as N, and sulfate
- pH
- total phosphorous
- dissolved orthophosphate
- bicarbonate and carbonate alkalinity as $CaCO_3$
- specific conductance

NOTE – If turbidity at the time of sampling is greater than 50 NTU, collect dissolved metals sample and submit to laboratory ON HOLD for the same analyte list as the total metals sample.

Job Change Order: FA2520_4/5/2013

Requested Date:	4/5/2013	**Received Date:**	3/9/2013
Account Name:	WSP Environment & Energy	**Due Date:**	3/25/2013
Project Description:	Nu-West Conda Phosphate Operations, 3010	**Deliverable:**	REDT1
CSR:	AC	**TAT (Days):**	1

Sample #:
FA2520-1

Change: Please report the TDS rerun on a separate report.

A-34-022

Above Changes Tim Huff **Date:** 4/5/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2520R
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN55019	100	21.0	mg/l				

Associated Samples:
Batch GN55019: FA2520-1R
(*) Outside of QC limits

6.1
6

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2520R
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN55019	FA3169-33	mg/l	353	354	0.3	0-5%

Associated Samples:
Batch GN55019: FA2520-1R
(*) Outside of QC limits

6.2
6

Southeast ACCUTEST LABORATORIES

03/28/13

Technical Report for

WSP Environment & Energy

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

36705.01

Accutest Job Number: FA2600

Sampling Date: 03/11/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
brian.kelly@wspgroup.com; tim.huff@wspgroup.com;
isaac.pelz@wspgroup.com; steve.dawson@wspgroup.com
ATTN: Tim Huff

Total number of pages in report: **79**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA2600

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Project No: 36705.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA2600-1	03/11/13	12:35	TP	03/13/13	AQ	Ground Water	A-27-135
FA2600-1F	03/11/13	12:35	TP	03/13/13	AQ	Groundwater Filtered	A-27-135
FA2600-2	03/11/13	14:20	TP	03/13/13	AQ	Ground Water	A-27-090
FA2600-2F	03/11/13	14:20	TP	03/13/13	AQ	Groundwater Filtered	A-27-090
FA2600-3	03/11/13	16:00	TP	03/13/13	AQ	Ground Water	A-35-080
FA2600-3F	03/11/13	16:00	TP	03/13/13	AQ	Groundwater Filtered	A-35-080
FA2600-4	03/11/13	11:12	TP	03/13/13	AQ	Ground Water	MWA-110
FA2600-4F	03/11/13	11:12	TP	03/13/13	AQ	Groundwater Filtered	MWA-110

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA2600

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date** 3/28/2013 12:03:11 PM

4 Samples were collected on 03/11/2013 and were received at Accutest on 03/13/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA2600. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP24777

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2600-1DUP, FA2600-1MS, FA2600-1MSD, FA2600-1PS, FA2600-1SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Calcium, Magnesium, Sodium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

RPD(s) for Duplicate for Iron are outside control limits for sample MP24777-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Arsenic, Chromium are outside control limits for sample MP24777-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
MP24777-PS1 for Calcium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24777-PS1 for Magnesium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP24777-PS1 for Sodium: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54606

All method blanks for this batch meet method specific criteria.

Sample(s) FA2600-1DUP was used as the QC samples for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA2600-1, FA2600-2, FA2600-3, FA2600-4. Samples received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21170

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2594-1MS, FA2594-1MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate, Fluoride.

Matrix Spike / Matrix Spike Duplicate Recovery(s) for Fluoride are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

FA2600-1 for Fluoride: Dilution required due to matrix interference.

FA2600-1 for Nitrogen, Nitrate: Sample analyzed beyond hold time.

FA2600-2 for Fluoride: Dilution required due to matrix interference.

FA2600-2 for Nitrogen, Nitrate: Sample exceeded hold time due to reanalysis.

FA2600-3 for Fluoride: Dilution required due to matrix interference.

FA2600-4 for Nitrogen, Nitrate: Originally ran on GN54614. Re-run on dilution beyond holdtime.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21163

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2592-4DUP, FA2592-4MS, FA2592-4MSD were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP21188

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2703-1DUP, FA2703-1MS, FA2703-1MSD were used as the QC samples for Phosphorus, Total.

GP21188-S1 for Phosphorus, Total: Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method SM 4500H B/SW 9040C

Matrix: AQ **Batch ID:** GN54607

Sample(s) FA2607-2DUP was used as the QC samples for pH.

FA2600-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2600-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2600-3 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2600-4 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54786

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2746-3DUP, FA2746-3MS were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix: AQ **Batch ID:** GN54787

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2600-1DUP, FA2600-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54681

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2592-4DUP were used as the QC samples for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: March 28, 2013

Lovelie Metzgar, QA Officer (signature on file)

Summary of Hits

Job Number: FA2600
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/11/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2600-1	**A-27-135**					
Aluminum		0.444	0.20	0.015	mg/l	SW846 6010C
Arsenic		0.0441	0.010	0.0025	mg/l	SW846 6010C
Calcium		374	1.0	0.050	mg/l	SW846 6010C
Chromium		0.0024 J	0.010	0.0020	mg/l	SW846 6010C
Iron		0.411	0.30	0.029	mg/l	SW846 6010C
Magnesium		192	5.0	0.074	mg/l	SW846 6010C
Potassium		30.9	10	0.20	mg/l	SW846 6010C
Selenium		0.0400	0.010	0.0020	mg/l	SW846 6010C
Sodium		529	100	5.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		1030	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		1030	25	13	mg/l	SM19 2320B
Chloride		64.4	20	8.0	mg/l	EPA 300/SW846 9056A
Fluoride [a]		1.2 J	2.0	0.60	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]		18.5	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		60.2	25	7.0	mg/l	EPA 365.3
Solids, Total Dissolved		3620	500	50	mg/l	SM19 2540C
Specific Conductivity [c]		4030	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1460	50	15	mg/l	EPA 300/SW846 9056A
pH [d]		6.51			su	SM 4500H B/SW 9040C
FA2600-1F	**A-27-135**					
Phosphate, Ortho		34.7	10	1.9	mg/l	EPA 365.3
FA2600-2	**A-27-090**					
Aluminum		0.733	0.20	0.015	mg/l	SW846 6010C
Arsenic		0.0199	0.010	0.0025	mg/l	SW846 6010C
Calcium		366	1.0	0.050	mg/l	SW846 6010C
Iron		1.19	0.30	0.029	mg/l	SW846 6010C
Magnesium		194	5.0	0.074	mg/l	SW846 6010C
Potassium		42.5	10	0.20	mg/l	SW846 6010C
Selenium		0.0429	0.010	0.0020	mg/l	SW846 6010C
Sodium		305	100	5.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		685	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		685	25	13	mg/l	SM19 2320B
Chloride		39.1	20	8.0	mg/l	EPA 300/SW846 9056A
Fluoride [a]		1.3 J	2.0	0.60	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [e]		69.7	2.5	1.3	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		112	50	14	mg/l	EPA 365.3
Solids, Total Dissolved		3370	200	20	mg/l	SM19 2540C
Specific Conductivity [c]		3850	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1520	50	15	mg/l	EPA 300/SW846 9056A

Summary of Hits

Job Number: FA2600
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/11/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
pH [d]		6.48			su	SM 4500H B/SW 9040C
FA2600-2F	**A-27-090**					
Phosphate, Ortho		40.2	10	1.9	mg/l	EPA 365.3
FA2600-3	**A-35-080**					
Aluminum		0.0720 J	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0014 J	0.0060	0.0013	mg/l	SW846 6010C
Arsenic		0.0118	0.010	0.0025	mg/l	SW846 6010C
Calcium		455	1.0	0.050	mg/l	SW846 6010C
Iron		0.0948 J	0.30	0.029	mg/l	SW846 6010C
Magnesium		287	5.0	0.074	mg/l	SW846 6010C
Potassium		47.4	10	0.20	mg/l	SW846 6010C
Selenium		0.0027 J	0.010	0.0020	mg/l	SW846 6010C
Sodium		228	50	2.5	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		650	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		650	25	13	mg/l	SM19 2320B
Chloride		137	50	20	mg/l	EPA 300/SW846 9056A
Fluoride [a]		3.4 J	5.0	1.5	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate		53.4	2.5	1.3	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		27.1	10	2.8	mg/l	EPA 365.3
Solids, Total Dissolved		3650	500	50	mg/l	SM19 2540C
Specific Conductivity [c]		4410	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1910	50	15	mg/l	EPA 300/SW846 9056A
pH [d]		6.50			su	SM 4500H B/SW 9040C
FA2600-3F	**A-35-080**					
Phosphate, Ortho		26.8	10	1.9	mg/l	EPA 365.3
FA2600-4	**MWA-110**					
Aluminum		2.18	0.20	0.015	mg/l	SW846 6010C
Arsenic		0.0055 J	0.010	0.0025	mg/l	SW846 6010C
Cadmium		0.0197	0.0050	0.00050	mg/l	SW846 6010C
Calcium		377	1.0	0.050	mg/l	SW846 6010C
Iron		0.480	0.30	0.029	mg/l	SW846 6010C
Magnesium		254	5.0	0.074	mg/l	SW846 6010C
Potassium		23.7	10	0.20	mg/l	SW846 6010C
Selenium		0.0040 J	0.010	0.0020	mg/l	SW846 6010C
Sodium		165	50	2.5	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		86.7	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		86.7	5.0	0.60	mg/l	SM19 2320B

Summary of Hits

Job Number: FA2600
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/11/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Chloride	343	50	20	mg/l	EPA 300/SW846 9056A
Fluoride	7.6	5.0	1.5	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [f]	211	10	5.0	mg/l	EPA 300/SW846 9056A
Phosphorus, Total	13.9	5.0	1.4	mg/l	EPA 365.3
Solids, Total Dissolved	3490	500	50	mg/l	SM19 2540C
Specific Conductivity [c]	4070	1.0	1.0	umhos/cm	EPA 120.1
Sulfate	1060	50	15	mg/l	EPA 300/SW846 9056A
pH [d]	6.03			su	SM 4500H B/SW 9040C
FA2600-4F MWA-110					
Phosphate, Ortho	13.2	5.0	0.95	mg/l	EPA 365.3

(a) Dilution required due to matrix interference.
(b) Sample analyzed beyond hold time.
(c) Sample received outside the holding time.
(d) Field analysis required. Received out of hold time and analyzed by request.
(e) Sample exceeded hold time due to reanalysis.
(f) Originally ran on GN54614. Re-run on dilution beyond holdtime.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-27-135		
Lab Sample ID:	FA2600-1	**Date Sampled:**	03/11/13
Matrix:	AQ - Ground Water	**Date Received:**	03/13/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.444	0.20	0.015	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0441	0.010	0.0025	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	374	1.0	0.050	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0024 J	0.010	0.0020	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.411	0.30	0.029	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	192	5.0	0.074	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	30.9	10	0.20	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0400	0.010	0.0020	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	529	100	5.0	mg/l	10	03/13/13	03/15/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10600
(2) Instrument QC Batch: MA10603
(3) Prep QC Batch: MP24777

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-27-135		
Lab Sample ID:	FA2600-1	**Date Sampled:**	03/11/13
Matrix:	AQ - Ground Water	**Date Received:**	03/13/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	1030	5.0	5.0	mg/l	1	03/23/13 13:30	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/23/13 13:30	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	1030	25	13	mg/l	1	03/23/13	AC	SM19 2320B
Chloride	64.4	20	8.0	mg/l	10	03/13/13 13:30	AA	EPA 300/SW846 9056A
Fluoride [a]	1.2 J	2.0	0.60	mg/l	10	03/13/13 13:30	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	18.5	1.0	0.50	mg/l	10	03/13/13 13:30	AA	EPA 300/SW846 9056A
Phosphorus, Total	60.2	25	7.0	mg/l	250	03/18/13 09:55	LE	EPA 365.3
Solids, Total Dissolved	3620	500	50	mg/l	5	03/18/13 13:55	KC	SM19 2540C
Specific Conductivity [c]	4030	1.0	1.0	umhos/cm	1	03/13/13 13:45	AA	EPA 120.1
Sulfate	1460	50	15	mg/l	25	03/13/13 17:12	AA	EPA 300/SW846 9056A
pH [d]	6.51			su	1	03/13/13 12:55	KC	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample analyzed beyond hold time.
(c) Sample received outside the holding time.
(d) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-27-135		
Lab Sample ID:	FA2600-1F	**Date Sampled:**	03/11/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/13/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	34.7	10	1.9	mg/l	100	03/13/13 10:20	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-27-090		
Lab Sample ID:	FA2600-2	**Date Sampled:**	03/11/13
Matrix:	AQ - Ground Water	**Date Received:**	03/13/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.733	0.20	0.015	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0199	0.010	0.0025	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	366	1.0	0.050	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	1.19	0.30	0.029	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	194	5.0	0.074	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	42.5	10	0.20	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0429	0.010	0.0020	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	305	100	5.0	mg/l	10	03/13/13	03/15/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10600
(2) Instrument QC Batch: MA10603
(3) Prep QC Batch: MP24777

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-27-090		
Lab Sample ID:	FA2600-2	**Date Sampled:**	03/11/13
Matrix:	AQ - Ground Water	**Date Received:**	03/13/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	685	5.0	5.0	mg/l	1	03/23/13 13:30	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/23/13 13:30	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	685	25	13	mg/l	1	03/23/13	AC	SM19 2320B
Chloride	39.1	20	8.0	mg/l	10	03/13/13 13:46	AA	EPA 300/SW846 9056A
Fluoride [a]	1.3 J	2.0	0.60	mg/l	10	03/13/13 13:46	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	69.7	2.5	1.3	mg/l	25	03/13/13 17:28	AA	EPA 300/SW846 9056A
Phosphorus, Total	112	50	14	mg/l	500	03/18/13 09:55	LE	EPA 365.3
Solids, Total Dissolved	3370	200	20	mg/l	2	03/18/13 13:55	KC	SM19 2540C
Specific Conductivity [c]	3850	1.0	1.0	umhos/cm	1	03/13/13 13:45	AA	EPA 120.1
Sulfate	1520	50	15	mg/l	25	03/13/13 17:28	AA	EPA 300/SW846 9056A
pH [d]	6.48			su	1	03/13/13 12:55	KC	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample exceeded hold time due to reanalysis.
(c) Sample received outside the holding time.
(d) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-27-090		
Lab Sample ID:	FA2600-2F	**Date Sampled:**	03/11/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/13/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	40.2	10	1.9	mg/l	100	03/13/13 10:20	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-35-080		
Lab Sample ID:	FA2600-3	**Date Sampled:**	03/11/13
Matrix:	AQ - Ground Water	**Date Received:**	03/13/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.0720 J	0.20	0.015	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0014 J	0.0060	0.0013	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0118	0.010	0.0025	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	455	1.0	0.050	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.0948 J	0.30	0.029	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	287	5.0	0.074	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	47.4	10	0.20	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0027 J	0.010	0.0020	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	228	50	2.5	mg/l	5	03/13/13	03/15/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10600
(2) Instrument QC Batch: MA10603
(3) Prep QC Batch: MP24777

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-35-080		
Lab Sample ID:	FA2600-3	**Date Sampled:**	03/11/13
Matrix:	AQ - Ground Water	**Date Received:**	03/13/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	650	5.0	5.0	mg/l	1	03/23/13 13:30	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/23/13 13:30	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	650	25	13	mg/l	1	03/23/13	AC	SM19 2320B
Chloride	137	50	20	mg/l	25	03/13/13 14:02	AA	EPA 300/SW846 9056A
Fluoride [a]	3.4 J	5.0	1.5	mg/l	25	03/13/13 14:02	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate	53.4	2.5	1.3	mg/l	25	03/13/13 14:02	AA	EPA 300/SW846 9056A
Phosphorus, Total	27.1	10	2.8	mg/l	100	03/18/13 09:55	LE	EPA 365.3
Solids, Total Dissolved	3650	500	50	mg/l	5	03/18/13 13:55	KC	SM19 2540C
Specific Conductivity [b]	4410	1.0	1.0	umhos/cm	1	03/13/13 13:45	AA	EPA 120.1
Sulfate	1910	50	15	mg/l	25	03/13/13 14:02	AA	EPA 300/SW846 9056A
pH [c]	6.50			su	1	03/13/13 12:55	KC	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample received outside the holding time.
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-35-080		
Lab Sample ID:	FA2600-3F	**Date Sampled:**	03/11/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/13/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	26.8	10	1.9	mg/l	100	03/13/13 10:20	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MWA-110		
Lab Sample ID:	FA2600-4	**Date Sampled:**	03/11/13
Matrix:	AQ - Ground Water	**Date Received:**	03/13/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2.18	0.20	0.015	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0055 J	0.010	0.0025	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.0197	0.0050	0.00050	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	377	1.0	0.050	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	0.480	0.30	0.029	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	254	5.0	0.074	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	23.7	10	0.20	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0040 J	0.010	0.0020	mg/l	1	03/13/13	03/14/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	165	50	2.5	mg/l	5	03/13/13	03/15/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10600
(2) Instrument QC Batch: MA10603
(3) Prep QC Batch: MP24777

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MWA-110		
Lab Sample ID:	FA2600-4	**Date Sampled:**	03/11/13
Matrix:	AQ - Ground Water	**Date Received:**	03/13/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	86.7	5.0	5.0	mg/l	1	03/23/13 13:30	LE	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/23/13 13:30	LE	SM18 4500CO2D
Alkalinity, Total as CaCO3	86.7	5.0	0.60	mg/l	1	03/23/13	AC	SM19 2320B
Chloride	343	50	20	mg/l	25	03/13/13 14:18	AA	EPA 300/SW846 9056A
Fluoride	7.6	5.0	1.5	mg/l	25	03/13/13 14:18	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	211	10	5.0	mg/l	100	03/14/13 14:30	AA	EPA 300/SW846 9056A
Phosphorus, Total	13.9	5.0	1.4	mg/l	50	03/18/13 09:55	LE	EPA 365.3
Solids, Total Dissolved	3490	500	50	mg/l	5	03/18/13 13:55	KC	SM19 2540C
Specific Conductivity [b]	4070	1.0	1.0	umhos/cm	1	03/13/13 13:45	AA	EPA 120.1
Sulfate	1060	50	15	mg/l	25	03/13/13 14:18	AA	EPA 300/SW846 9056A
pH [c]	6.03			su	1	03/13/13 12:55	KC	SM 4500H B/SW 9040C

(a) Originally ran on GN54614. Re-run on dilution beyond holdtime.
(b) Sample received outside the holding time.
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MWA-110		
Lab Sample ID:	FA2600-4F	**Date Sampled:**	03/11/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/13/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	13.2	5.0	0.95	mg/l	50	03/13/13 10:20	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA2600 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: WSP ENV+ENG
Address: 205 W. PARK ST
City: JACKSON State: MO Zip: 63755
Project Contact: TIM HUFF E-mail: TIM.HUFF@WSPGROUP.COM
Phone#: 573-217-6759
Sampler(s) Name(s) (Printed): TATTIE

Project Information

Project Name: AGRIUM
Street
City State
Project #
Fax #
Client Purchase Order #

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	SEE ATTACHED		DISSOLVED METALS - HOLD AND CONTACT TIM HUFF/WSP							
1	A-27-135	031113	1235	TT	GW	5		X			X	X				X		X							
2	A-27-090	031113	1420			5		X			X	X				X		X							
3	A-35-080	031113	1600			4		X			X	X				X									
4	MWA-110	031213	1112			4		X			X	X				X									

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	031213 1210	2	3	0945	4
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2-8

FA2600: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA2600 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 03-13-13- 945 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8017 3227 8966

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.4
- [ ] CORRECTED TEMPS: 2.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE R Willis 03133 REVIEWER SIGNATURE/DATE 3-13-13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA2600: Chain of Custody
Page 2 of 3

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

Analyte List #2 (groundwater samples and groundwater sampling equipment blanks)

- total dissolved solids (TDS)
- Total metals - aluminum, antimony, arsenic, cadmium, calcium, chromium, iron, magnesium, potassium, selenium, and sodium
- chloride, fluoride, nitrate as N, and sulfate
- pH
- total phosphorous
- dissolved orthophosphate
- bicarbonate and carbonate alkalinity as $CaCO_3$
- specific conductance

NOTE – If turbidity at the time of sampling is greater than 50 NTU, collect dissolved metals sample and submit to laboratory ON HOLD for the same analyte list as the total metals sample.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10600
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	08:14	MA10600-STD1	1		STDA
	08:18	MA10600-STD2	1		STDB
	08:22	MA10600-STD3	1		STDC
	08:25	MA10600-STD4	1		STDD
	08:30	MA10600-HSTD1	1		
	08:37	MA10600-ICV1	1		
	08:52	MA10600-ICB1	1		
	08:56	MA10600-CRIA1	1		
	09:04	MA10600-ICSA1	1		
	09:13	MA10600-ICSAB1	1		
	09:22	MA10600-CCV1	1		
	09:30	MA10600-CCB1	1		
	09:39	MP24777-MB1	1		
	09:43	MP24777-B1	1		
	09:47	FA2600-1	1		
	09:51	MP24777-D1	1		
	09:56	MP24777-SD1	5		
	10:00	MP24777-PS1	1		
	10:04	MP24777-S1	1		
	10:08	MP24777-S2	1		
	10:13	FA2600-2	1		
	10:17	FA2600-3	1		
	10:22	MA10600-CCV2	1		
	10:26	MA10600-CCB2	1		
	10:30	FA2600-4	1		
---------->	Last reportable sample/prep for job FA2600				
	10:35	ZZZZZZ	1		
	10:39	ZZZZZZ	1		
	10:43	ZZZZZZ	1		
	10:47	ZZZZZZ	1		
	10:52	ZZZZZZ	1		
	10:56	ZZZZZZ	1		
	11:00	ZZZZZZ	1		
	11:04	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10600
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:08	ZZZZZZ	1		
11:13	MA10600-CCV3	1		
11:17	MA10600-CCB3	1		
11:21	ZZZZZZ	1		
11:25	ZZZZZZ	4		
11:30	ZZZZZZ	4		
11:34	MP24782-MB1	1		
11:38	MP24782-B1	1		
11:42	FA2429-1F	1		(sample used for QC only; not part of login FA2600)
11:46	MP24782-D1	1		
12:38	MP24782-SD1	5		
12:42	MP24782-PS1	1		
12:46	MP24782-S1	1		
12:50	MA10600-CCV4	1		
12:54	MA10600-CCB4	1		
13:22	MA10600-CCV5	1		
13:28	MA10600-CCB5	1		
13:32	MP24782-S2	1		
13:36	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:59	ZZZZZZ	5		
14:03	ZZZZZZ	10		
14:07	ZZZZZZ	10		
14:12	ZZZZZZ	10		
14:16	MA10600-CCV6	1		
14:20	MA10600-CCB6	1		
14:24	ZZZZZZ	1		
14:29	ZZZZZZ	1		
14:33	MP24782-MB2A	1		
14:37	MP24783-MB1	1		
14:41	MP24783-B1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10600
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:45	FA2585-1	1		(sample used for QC only; not part of login FA2600)
14:50	MP24783-D1	1		
14:54	MP24783-SD1	5		
14:58	MP24783-PS1	1		
15:02	MP24783-S1	1		
15:06	MA10600-CCV7	1		
15:10	MA10600-CCB7	1		
15:14	MP24783-S2	1		
15:18	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:31	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:57	MA10600-CCV8	1		
16:01	MA10600-CCB8	1		
16:09	MA10600-CRIA2	1		
16:13	MA10600-ICSA2	1		
16:18	MA10600-ICSAB2	1		
16:22	MA10600-CCV9	1		
16:26	MA10600-CCB9	1		

----------> Last reportable CCB for job FA2600
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10600
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:14	MA10600-STD1	6714	46369	11092	2871
08:18	MA10600-STD2	6718	45885	11124	2701
08:22	MA10600-STD3	6419	43370	10912	2395
08:25	MA10600-STD4	6263	42683	10902	2202
08:30	MA10600-HSTD1	6179	41799	10713	2160
08:37	MA10600-ICV1	6445	43333	10890	2386
08:52	MA10600-ICB1	6854 R	46790 R	11273 R	2884 R
08:56	MA10600-CRIA1	6813	46007	11322	2785
09:04	MA10600-ICSA1	5741	37485	10288	2030
09:13	MA10600-ICSAB1	5827	38002	10341	2019
09:22	MA10600-CCV1	6494	43585	10797	2357
09:30	MA10600-CCB1	6811	46275	10944	2814
09:39	MP24777-MB1	6749	46026	10740	2780
09:43	MP24777-B1	6493	43446	10747	2465
09:47	FA2600-1	5620	37023	10043	2044
09:51	MP24777-D1	5658	37545	10212	2055
09:56	MP24777-SD1	6318	41947	10685	2432
10:00	MP24777-PS1	5650	37284	10092	2043
10:04	MP24777-S1	5615	37486	10153	2006
10:08	MP24777-S2	5645	37300	10233	2022
10:13	FA2600-2	5724	38533	10321	2102
10:17	FA2600-3	5647	38032	10289	2082
10:22	MA10600-CCV2	6483	43617	10924	2356
10:26	MA10600-CCB2	6774	46325	11001	2815
10:30	FA2600-4	5686	38381	10317	2120
10:35	ZZZZZZ	6661	45822	10938	2763
10:39	ZZZZZZ	6655	46011	10996	2767
10:43	ZZZZZZ	6560	44859	11000	2616
10:47	ZZZZZZ	6519	44276	10832	2586
10:52	ZZZZZZ	6481	43922	10709	2564
10:56	ZZZZZZ	6548	45281	10923	2656
11:00	ZZZZZZ	6473	44684	10810	2640
11:04	ZZZZZZ	6416	43989	10769	2568

INTERNAL STANDARD SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10600
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:08	ZZZZZZ	6560	45137	11110	2628
11:13	MA10600-CCV3	6463	43856	10991	2372
11:17	MA10600-CCB3	6702	46149	10985	2809
11:21	ZZZZZZ	6430	44111	10662	2602
11:25	ZZZZZZ	6707	45689	11084	2714
11:30	ZZZZZZ	6289	43499	10781	2639
11:34	MP24782-MB1	6683	46662	10939	2813
11:38	MP24782-B1	6398	43648	10830	2481
11:42	FA2429-1F	6526	44944	10909	2693
11:46	MP24782-D1	6589	45250	10865	2714
12:38	MP24782-SD1	6529	45181	10445	2810
12:42	MP24782-PS1	6326	44495	10632	2635
12:46	MP24782-S1	6222	44009	10698	2498
12:50	MA10600-CCV4	6233	43695	10774	2393
12:54	MA10600-CCB4	6555	46502	10890	2841
13:22	MA10600-CCV5	6234	43106	10729	2395
13:28	MA10600-CCB5	6490	45451	10940	2828
13:32	MP24782-S2	6247	42903	10740	2486
13:36	ZZZZZZ	5740	38467	10690	1791
13:40	ZZZZZZ	6489	43618	11751	1960
13:44	ZZZZZZ	6153	42602	11890	1738
13:49	ZZZZZZ	5072	35053	9950	1700 !
13:59	ZZZZZZ	6372	43178	10942	2366
14:03	ZZZZZZ	6210	41893	10716	2348
14:07	ZZZZZZ	6091	40440	10371	2344
14:12	ZZZZZZ	6180	41916	10674	2395
14:16	MA10600-CCV6	6311	43066	10749	2386
14:20	MA10600-CCB6	6553	45740	10864	2827
14:24	ZZZZZZ	6519	45366	10742	2806
14:29	ZZZZZZ	6322	43781	10898	2603
14:33	MP24782-MB2A	6488	45144	10786	2781
14:37	MP24783-MB1	6314	42941	10142	2681
14:41	MP24783-B1	6235	42665	10470	2475

INTERNAL STANDARD SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10600
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:45	FA2585-1	6343	44541	10612	2683
14:50	MP24783-D1	6339	44322	10521	2683
14:54	MP24783-SD1	6557	45694	10881	2812
14:58	MP24783-PS1	6269	42965	10459	2533
15:02	MP24783-S1	6160	41100	10251	2377
15:06	MA10600-CCV7	6325	43429	10846	2401
15:10	MA10600-CCB7	6557	45575	10870	2851
15:14	MP24783-S2	6111	41848	10399	2387
15:18	ZZZZZZ	8807 !	60295 !	14837 !	2424
15:23	ZZZZZZ	8530	57569	14078	2485
15:27	ZZZZZZ	8952 !	60178 !	15298 !	2327
15:31	ZZZZZZ	7478	50474	13222	2118
15:36	ZZZZZZ	9390 !	64248 !	15923 !	2393
15:40	ZZZZZZ	6350	44461	10689	2678
15:57	MA10600-CCV8	6166	42632	10636	2375
16:01	MA10600-CCB8	6499	45665	10929	2832
16:09	MA10600-CRIA2	6400	43500	10567	2695
16:13	MA10600-ICSA2	5619	37411	10146	2064
16:18	MA10600-ICSAB2	5612	37928	10283	2053
16:22	MA10600-CCV9	6210	42852	10725	2394
16:26	MA10600-CCB9	6528	45529	10840	2845

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10600 Units: ug/l

Time:			08:52		09:30		10:26		11:17	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-6.8	<200	4.5	<200	0.90	<200	-2.5	<200
Antimony	6.0	1.3	0.0	<6.0	0.0	<6.0	0.30	<6.0	0.10	<6.0
Arsenic	10	1.6	0.0	<10	-0.20	<10	0.10	<10	0.20	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	-3.1	<1000	8.9	<1000	15.9	<1000	4.4	<1000
Chromium	10	1.8	-0.20	<10	-0.10	<10	0.0	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-5.5	<300	4.1	<300	6.8	<300	6.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-6.6	<5000	-6.8	<5000	-3.2	<5000	-9.1	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	1.6	<10000	-8.5	<10000	12.4	<10000	-3.5	<10000
Selenium	10	2	-0.10	<10	0.40	<10	1.6	<10	0.40	<10
Silver	10	.5	anr							
Sodium	10000	500	-1.5	<10000	6.0	<10000	89.9	<10000	29.8	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10600 Units: ug/l

Time:			12:54		13:28		14:20		15:10	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-3.3	<200	-0.70	<200	-3.2	<200	-1.0	<200
Antimony	6.0	1.3	0.80	<6.0	1.2	<6.0	-0.20	<6.0	1.2	<6.0
Arsenic	10	1.6	-0.20	<10	0.30	<10	-0.10	<10	-0.20	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	1.3	<1000	3.5	<1000	14.7	<1000	7.4	<1000
Chromium	10	1.8	0.0	<10	0.0	<10	0.30	<10	0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	5.1	<300	5.3	<300	8.0	<300	9.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-24	<5000	4.9	<5000	12.8	<5000	4.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	1.0	<10000	27.1	<10000	18.9	<10000	18.2	<10000
Selenium	10	2	-0.30	<10	-0.20	<10	-1.4	<10	-0.40	<10
Silver	10	.5	anr							
Sodium	10000	500	26.0	<10000	11.2	<10000	11.7	<10000	11.5	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10600 Units: ug/l

Time:			16:01		16:26	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	6.5	<200	12.2	<200
Antimony	6.0	1.3	0.50	<6.0	0.60	<6.0
Arsenic	10	1.6	-0.20	<10	-0.60	<10
Barium	200	1	anr			
Beryllium	4.0	.5	anr			
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0
Calcium	1000	50	13.0	<1000	18.7	<1000
Chromium	10	1.8	0.30	<10	0.30	<10
Cobalt	50	.5	anr			
Copper	25	1	anr			
Iron	300	29	13.6	<300	17.3	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	17.1	<5000	22.5	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	18.7	<10000	12.0	<10000
Selenium	10	2	0.10	<10	-0.70	<10
Silver	10	.5	anr			
Sodium	10000	500	14.8	<10000	9.4	<10000
Strontium	10	.5				
Thallium	10	1.3	anr			
Tin	50	.7	anr			
Titanium	10	.9				
Vanadium	50	.5	anr			
Zinc	20	3	anr			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10600 Units: ug/l

Time:		08:37			09:22			10:22	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40700	101.8	40000	40600	101.5	40000	40600	101.5
Antimony	2000	2020	101.0	2000	1910	95.5	2000	1930	96.5
Arsenic	2000	1990	99.5	2000	1940	97.0	2000	1940	97.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2060	103.0	2000	2030	101.5	2000	2030	101.5
Calcium	40000	41600	104.0	40000	40900	102.3	40000	40600	101.5
Chromium	2000	2090	104.5	2000	2050	102.5	2000	2050	102.5
Cobalt	anr								
Copper	anr								
Iron	40000	40500	101.3	40000	39200	98.0	40000	38700	96.8
Lead	anr								
Magnesium	40000	39000	97.5	40000	39900	99.8	40000	39200	98.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40100	100.3	40000	39400	98.5	40000	39300	98.3
Selenium	2000	2060	103.0	2000	1930	96.5	2000	1940	97.0
Silver	anr								
Sodium	40000	40800	102.0	40000	41000	102.5	40000	40400	101.0
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10600 Units: ug/l

Time:		11:13			12:50			13:22	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	40800	102.0	40000	40100	100.3
Antimony	2000	1970	98.5	2000	2130	106.5	2000	2030	101.5
Arsenic	2000	1970	98.5	2000	2110	105.5	2000	2030	101.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2090	104.5	2000	2030	101.5
Calcium	40000	40200	100.5	40000	40700	101.8	40000	40300	100.8
Chromium	2000	2040	102.0	2000	2040	102.0	2000	2000	100.0
Cobalt	anr								
Copper	anr								
Iron	40000	39000	97.5	40000	41800	104.5	40000	40600	101.5
Lead	anr								
Magnesium	40000	39200	98.0	40000	41200	103.0	40000	40300	100.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39700	99.3	40000	42300	105.8	40000	40600	101.5
Selenium	2000	1980	99.0	2000	2120	106.0	2000	2040	102.0
Silver	anr								
Sodium	40000	40700	101.8	40000	40900	102.3	40000	40100	100.3
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10600 Units: ug/l

Time:		14:16			15:06			15:57	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39600	99.0	40000	39800	99.5
Antimony	2000	1970	98.5	2000	1970	98.5	2000	2030	101.5
Arsenic	2000	1980	99.0	2000	1980	99.0	2000	2030	101.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2000	100.0	2000	2000	100.0	2000	2020	101.0
Calcium	40000	39800	99.5	40000	39700	99.3	40000	39800	99.5
Chromium	2000	1990	99.5	2000	1990	99.5	2000	1990	99.5
Cobalt	anr								
Copper	anr								
Iron	40000	39300	98.3	40000	39400	98.5	40000	40400	101.0
Lead	anr								
Magnesium	40000	39300	98.3	40000	39300	98.3	40000	39800	99.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39700	99.3	40000	39700	99.3	40000	40600	101.5
Selenium	2000	1990	99.5	2000	1990	99.5	2000	2040	102.0
Silver	anr								
Sodium	40000	40100	100.3	40000	39900	99.8	40000	40000	100.0
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10600 Units: ug/l

Time:		16:22	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	39300	98.3
Antimony	2000	2020	101.0
Arsenic	2000	2020	101.0
Barium	anr		
Beryllium	anr		
Cadmium	2000	2000	100.0
Calcium	40000	39400	98.5
Chromium	2000	1970	98.5
Cobalt	anr		
Copper	anr		
Iron	40000	40100	100.3
Lead	anr		
Magnesium	40000	39500	98.8
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	40000	40300	100.8
Selenium	2000	2040	102.0
Silver	anr		
Sodium	40000	39600	99.0
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10600 Units: ug/l

Time:		08:30	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	81300	101.6
Antimony	4000	4030	100.8
Arsenic	4000	4050	101.3
Barium	anr		
Beryllium	anr		
Cadmium	4000	4020	100.5
Calcium	80000	81000	101.3
Chromium	4000	4050	101.3
Cobalt	anr		
Copper	anr		
Iron	80000	80700	100.9
Lead	anr		
Magnesium	80000	81200	101.5
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	81300	101.6
Selenium	4000	4030	100.8
Silver	anr		
Sodium	80000	81200	101.5
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10600 Units: ug/l

Time:			08:56		16:09	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	197	98.5	206	103.0
Antimony	10	5.0	5.2	104.0	5.2	104.0
Arsenic	20	10	10.1	101.0	9.8	98.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.2	104.0	5.3	106.0
Calcium	2000	1000	1030	103.0	1050	105.0
Chromium	20	10	10.2	102.0	10.6	106.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	303	101.0	324	108.0
Lead	10	5.0	anr			
Magnesium	10000	5000	4950	99.0	5140	102.8
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9860	98.6	10200	102.0
Selenium	20	10	10.1	101.0	10.6	106.0
Silver	20	10	anr			
Sodium	20000	10000	10100	101.0	10200	102.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031413M1.ICP Date Analyzed: 03/14/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10600 Units: ug/l

Time:			09:04		09:13		16:13		16:18	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	521000	104.2	520000	104.0	498000	99.6	503000	100.6
Antimony		1000	-0.10		979	97.9	0.20		1030	103.0
Arsenic		1000	0.0		982	98.2	1.8		1020	102.0
Barium		500	-0.20		535	107.0	0.0		514	102.8
Beryllium		500	-0.10		528	105.6	0.10		488	97.6
Cadmium		1000	0.10		959	95.9	-1.1		936	93.6
Calcium	500000	500000	488000	97.6	489000	97.8	472000	94.4	469000	93.8
Chromium		500	-0.10		505	101.0	0.30		477	95.4
Cobalt		500	0.50		473	94.6	0.50		463	92.6
Copper		500	0.0		527	105.4	1.7		531	106.2
Iron	200000	200000	186000	93.0	186000	93.0	186000	93.0	188000	94.0
Lead		1000	-0.30		970	97.0	-2.1		904	90.4
Magnesium	500000	500000	494000	98.8	490000	98.0	482000	96.4	482000	96.4
Manganese		500	0.90		503	100.6	0.90		492	98.4
Molybdenum		1000	-0.70		936	93.6	-0.20		893	89.3
Nickel		1000	0.0		904	90.4	1.3		941	94.1
Potassium			5.0		23.4		24.1		16.8	
Selenium		1000	0.0		964	96.4	-4.3		1000	100.0
Silver		1000	-0.10		1050	105.0	-0.50		1010	101.0
Sodium			55.4		83.3		69.9		75.0	
Strontium		1000	12.6		1040	104.0	12.1		978	97.8
Thallium		1000	0.0		979	97.9	-0.30		895	89.5
Tin		1000	-0.90		855	85.5	-0.60		865	86.5
Titanium		1000	-5.1		1030	103.0	-4.9		938	93.8
Vanadium		500	-0.10		491	98.2	0.20		480	96.0
Zinc		1000	1.7		968	96.8	2.0		933	93.3

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10603
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:01	MA10603-STD1	1		STDA
08:05	MA10603-STD2	1		STDB
08:09	MA10603-STD3	1		STDC
08:13	MA10603-STD4	1		STDD
08:17	MA10603-HSTD1	1		
08:27	MA10603-ICV1	1		
08:38	MA10603-ICB1	1		
08:42	MA10603-CRIA1	1		
08:50	MA10603-ICSA1	1		
08:57	MA10603-ICSAB1	1		
09:03	MA10603-CCV1	1		
09:11	MA10603-CCB1	1		
09:15	MP24781-MB1	1		
09:19	MP24781-B1	1		
09:23	FA1688-2T	1		(sample used for QC only; not part of login FA2600)
09:27	MP24781-D1	1		
09:31	MP24781-SD1	5		
09:35	MP24781-S1	1		
09:39	MP24781-S2	1		
09:44	ZZZZZZ	1		
09:48	ZZZZZZ	1		
09:52	ZZZZZZ	1		
09:56	MA10603-CCV2	1		
10:00	MA10603-CCB2	1		
10:04	FA2600-1	10		
10:08	MP24777-D1	10		
10:12	MP24777-S1	10		
10:16	MP24777-S2	10		
10:20	MP24777-PS1	10		
10:25	MP24777-SD1	50		
10:29	FA2600-2	10		
10:33	FA2600-3	5		
10:37	FA2600-4	5		

----------> Last reportable sample/prep for job FA2600

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10603
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:41	ZZZZZZ	2		
10:45	MA10603-CCV3	1		
10:49	MA10603-CCB3	1		
10:53	ZZZZZZ	2		
10:57	ZZZZZZ	2		
11:09	ZZZZZZ	4		
11:13	MP24786-MB1	1		
11:18	MP24786-B1	1		
11:22	FA2462-6	1		(sample used for QC only; not part of login FA2600)
11:26	MP24786-D1	1		
11:30	MP24786-SD1	5		
11:34	MP24786-PS1	1		
11:38	MP24786-S1	1		
11:42	MA10603-CCV4	1		
11:46	MA10603-CCB4	1		
11:50	MP24786-S2	1		
11:54	ZZZZZZ	1		
11:58	ZZZZZZ	1		
12:03	ZZZZZZ	5		
12:11	ZZZZZZ	10		
12:20	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:29	MP24787-MB1	1		
12:33	MA10603-CCV5	1		
12:37	MA10603-CCB5	1		
12:43	MP24787-B1	1		
12:46	FA2519-1	1		(sample used for QC only; not part of login FA2600)
12:51	MP24787-D1	1		
12:55	MP24787-SD1	5		
12:59	MP24787-S1	1		
13:03	MP24787-S2	1		
13:07	ZZZZZZ	1		
13:12	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10603
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:16	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:24	MA10603-CCV6	1		
13:28	MA10603-CCB6	1		
13:33	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:50	MP24787-D2	1		
13:54	MP24787-MB2	1		
13:58	MP24787-B2	1		
14:02	MP24789-MB1	1		
14:07	MP24789-B1	1		
14:11	FA2615-1	1		(sample used for QC only; not part of login FA2600)
14:15	MA10603-CCV7	1		
14:19	MA10603-CCB7	1		
14:23	MP24789-D1	1		
14:27	MP24789-SD1	5		
14:31	MP24789-S1	1		
14:36	MP24789-S2	1		
14:40	FA2340-6R	1		(sample used for QC only; not part of login FA2600)
14:44	ZZZZZZ	1		
14:48	ZZZZZZ	1		
14:52	ZZZZZZ	1		
14:57	ZZZZZZ	1		
15:01	MP24789-D2	1		
15:05	MA10603-CCV8	1		
15:09	MA10603-CCB8	1		
15:13	MP24789-MB2	1		
15:18	MP24789-B2	1		
15:22	MP24788-MB1	1		
15:26	MP24788-B1	1		
15:30	FA2640-1	1		(sample used for QC only; not part of login FA2600)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10603
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:34	MP24788-D1	1		
15:38	MP24788-SD1	5		
15:42	MP24788-PS1	1		
15:46	MP24788-S1	1		
15:50	MP24788-S2	1		
15:54	MA10603-CCV9	1		
15:58	MA10603-CCB9	1		
16:02	ZZZZZZ	1		
16:07	ZZZZZZ	1		
16:11	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:19	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:31	ZZZZZZ	1		
16:35	ZZZZZZ	1		
16:40	ZZZZZZ	1		
16:44	MA10603-CCV10	1		
16:48	MA10603-CCB10	1		
16:52	ZZZZZZ	1		
16:56	ZZZZZZ	1		
17:00	ZZZZZZ	1		
17:05	ZZZZZZ	1		
17:09	ZZZZZZ	1		
17:13	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:21	MP24790-MB1	1		
17:25	MP24790-B1	1		
17:29	FA2692-1	1		(sample used for QC only; not part of login FA2600)
17:33	MA10603-CCV11	1		
17:37	MA10603-CCB11	1		
17:42	MP24790-D1	1		
17:46	MP24790-SD1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10603
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:50	MP24790-PS1	1		
17:54	MP24790-S1	1		
17:58	MP24790-S2	1		
18:02	ZZZZZZ	1		
18:06	ZZZZZZ	1		
18:10	MA10603-CRIA2	1		
18:14	MA10603-ICSA2	1		
18:18	MA10603-ICSAB2	1		
18:23	MA10603-CCV12	1		
18:27	MA10603-CCB12	1		
---------->	Last reportable CCB for job FA2600			
18:31	MA10603-CCV13	1		
18:35	MA10603-CCB13	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10603
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:01	MA10603-STD1	8174	49317	7960	3294
08:05	MA10603-STD2	8122	48509	7958	3101
08:09	MA10603-STD3	7781	46355	7892	2757
08:13	MA10603-STD4	7461	44830	7850	2497
08:17	MA10603-HSTD1	7369	43938	7662	2461
08:27	MA10603-ICV1	7651	45754	7792	2706
08:38	MA10603-ICB1	8070 R	48267 R	7749 R	3239 R
08:42	MA10603-CRIA1	7975	48090	7921	3145
08:50	MA10603-ICSA1	6865	40314	7565	2396
08:57	MA10603-ICSAB1	6902	40436	7602	2348
09:03	MA10603-CCV1	7747	46623	7991	2742
09:11	MA10603-CCB1	8161	49238	8020	3263
09:15	MP24781-MB1	8113	49181	8040	3248
09:19	MP24781-B1	7677	43363	7661	2845
09:23	FA1688-2T	7576	46198	7870	2818
09:27	MP24781-D1	7497	44735	7661	2789
09:31	MP24781-SD1	8022	48173	7868	3111
09:35	MP24781-S1	7251	45006	7562	2596
09:39	MP24781-S2	7382	43330	7818	2650
09:44	ZZZZZZ	7326	43257	7413	2692
09:48	ZZZZZZ	7472	44645	7532	2798
09:52	ZZZZZZ	7313	43007	7949	2682
09:56	MA10603-CCV2	7747	46681	7952	2746
10:00	MA10603-CCB2	8116	49286	7938	3258
10:04	FA2600-1	7793	46561	7866	2971
10:08	MP24777-D1	7840	46812	7919	2977
10:12	MP24777-S1	7832	46603	7879	2946
10:16	MP24777-S2	7821	46403	7945	2936
10:20	MP24777-PS1	7824	46631	7979	2950
10:25	MP24777-SD1	7574	47417	8076	2940
10:29	FA2600-2	7874	47265	7921	2994
10:33	FA2600-3	7659	45489	7852	2852
10:37	FA2600-4	7708	46244	7914	2875

INTERNAL STANDARD SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10603
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:41	ZZZZZZ	9534	56478	9438	2930
10:45	MA10603-CCV3	7804	46609	7993	2737
10:49	MA10603-CCB3	8151	49188	7954	3252
10:53	ZZZZZZ	9467	55733	9597	2809
10:57	ZZZZZZ	8442	49321	8768	2570
11:09	ZZZZZZ	9181	54270	9049	3058
11:13	MP24786-MB1	7967	46874	7682	3130
11:18	MP24786-B1	7633	44626	7551	2793
11:22	FA2462-6	8499	49637	8559	2788
11:26	MP24786-D1	8239	48971	8241	2828
11:30	MP24786-SD1	8168	49432	8140	3064
11:34	MP24786-PS1	8374	49064	8439	2724
11:38	MP24786-S1	8108	47504	8263	2643
11:42	MA10603-CCV4	7917	45646	7808	2679
11:46	MA10603-CCB4	8307	48184	7845	3176
11:50	MP24786-S2	8519	47424	8459	2581
11:54	ZZZZZZ	7167	40393	7748	2024
11:58	ZZZZZZ	6624	42463	7409	2564
12:03	ZZZZZZ	7747	44354	7658	2733
12:11	ZZZZZZ	7801	44110	7744	2730
12:20	ZZZZZZ	11099 !	63101 !	11109 !	2501
12:24	ZZZZZZ	50424 !	274660 !	51266 !	2310
12:29	MP24787-MB1	8216	48385	7688	3175
12:33	MA10603-CCV5	7783	45048	7585	2668
12:37	MA10603-CCB5	8231	48439	7742	3203
12:43	MP24787-B1	7855	45526	7606	2820
12:46	FA2519-1	7733	44572	7601	2804
12:51	MP24787-D1	7788	44529	7644	2823
12:55	MP24787-SD1	8040	46762	7694	3033
12:59	MP24787-S1	7714	44273	7727	2681
13:03	MP24787-S2	7673	43890	7628	2662
13:07	ZZZZZZ	7777	44471	7652	2827
13:12	ZZZZZZ	7748	44720	7630	2835

INTERNAL STANDARD SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10603
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:16	ZZZZZZ	7474	42862	7403	2699
13:20	ZZZZZZ	7437	43111	7455	2710
13:24	MA10603-CCV6	7731	45248	7625	2681
13:28	MA10603-CCB6	8097	47773	7765	3189
13:33	ZZZZZZ	7532	43852	7641	2747
13:37	ZZZZZZ	7503	43640	7609	2724
13:41	ZZZZZZ	7607	44149	7656	2773
13:45	ZZZZZZ	7540	42933	7409	2748
13:50	MP24787-D2	7686	45012	7699	2840
13:54	MP24787-MB2	7482	43989	7519	2792
13:58	MP24787-B2	7543	43924	7503	2676
14:02	MP24789-MB1	8127	48599	7776	3199
14:07	MP24789-B1	7915	46243	7821	2885
14:11	FA2615-1	7915	45800	7901	2803
14:15	MA10603-CCV7	7714	44371	7517	2662
14:19	MA10603-CCB7	8036	47554	7604	3172
14:23	MP24789-D1	7797	45313	7808	2765
14:27	MP24789-SD1	7997	46683	7801	3023
14:31	MP24789-S1	7896	44814	8190	2684
14:36	MP24789-S2	7892	45539	7944	2690
14:40	FA2340-6R	7767	44599	7620	2822
14:44	ZZZZZZ	7776	44807	7678	2849
14:48	ZZZZZZ	7787	45353	7811	2859
14:52	ZZZZZZ	7645	44159	7635	2816
14:57	ZZZZZZ	7690	44655	7738	2823
15:01	MP24789-D2	7702	44430	7619	2791
15:05	MA10603-CCV8	7749	44657	7498	2665
15:09	MA10603-CCB8	8013	47909	7594	3169
15:13	MP24789-MB2	7598	44245	7651	2810
15:18	MP24789-B2	7611	44254	7774	2679
15:22	MP24788-MB1	8017	47895	7662	3163
15:26	MP24788-B1	7626	44580	7412	2790
15:30	FA2640-1	7542	43828	7413	2827

INTERNAL STANDARD SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10603
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:34	MP24788-D1	7509	44837	7456	2843
15:38	MP24788-SD1	7947	47316	7667	3116
15:42	MP24788-PS1	7637	45081	7565	2821
15:46	MP24788-S1	7708	45305	7752	2741
15:50	MP24788-S2	7560	43890	7531	2691
15:54	MA10603-CCV9	7636	44155	7410	2664
15:58	MA10603-CCB9	8010	47344	7592	3207
16:02	ZZZZZZ	7593	45300	7546	2864
16:07	ZZZZZZ	9657	56590	9979 !	2589
16:11	ZZZZZZ	7502	44532	7704	2732
16:15	ZZZZZZ	7450	43753	7464	2782
16:19	ZZZZZZ	7508	44195	7513	2819
16:23	ZZZZZZ	7465	44416	7515	2796
16:27	ZZZZZZ	7603	45266	7701	2848
16:31	ZZZZZZ	7649	45413	7647	2872
16:35	ZZZZZZ	7924	46168	7692	3061
16:40	ZZZZZZ	7726	45617	7548	2980
16:44	MA10603-CCV10	7602	45640	7618	2689
16:48	MA10603-CCB10	7945	48036	7616	3182
16:52	ZZZZZZ	7447	43073	7547	2565
16:56	ZZZZZZ	7452	44106	7502	2777
17:00	ZZZZZZ	7264	42632	7384	2665
17:05	ZZZZZZ	7355	44569	7433	2779
17:09	ZZZZZZ	7296	43330	7478	2700
17:13	ZZZZZZ	7983	47844	7764	3174
17:17	ZZZZZZ	7844	45952	7472	3062
17:21	MP24790-MB1	8263	48622	7819	3354
17:25	MP24790-B1	7850	46346	7621	2921
17:29	FA2692-1	8172	48664	7845	3262
17:33	MA10603-CCV11	7718	45148	7647	2722
17:37	MA10603-CCB11	8034	47464	7566	3179
17:42	MP24790-D1	8181	48288	7780	3260
17:46	MP24790-SD1	7921	49221	7698	3195

INTERNAL STANDARD SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10603
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:50	MP24790-PS1	7989	47792	7773	3091
17:54	MP24790-S1	7700	45128	7608	2838
17:58	MP24790-S2	7918	45329	7591	2895
18:02	ZZZZZZ	8075	48814	7947	3227
18:06	ZZZZZZ	8158	48893	7963	3283
18:10	MA10603-CRIA2	7809	47127	7621	3062
18:14	MA10603-ICSA2	6778	38562	7150	2306
18:18	MA10603-ICSAB2	6919	39311	7156	2322
18:23	MA10603-CCV12	7569	44904	7477	2690
18:27	MA10603-CCB12	8012	48186	7597	3215
18:31	MA10603-CCV13	7663	44674	7517	2693
18:35	MA10603-CCB13	8052	47183	7445	3186

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10603 Units: ug/l

Time:			08:38		09:11		10:00		10:49	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	-3.1	<10000	11.3	<10000	48.8	<10000	29.5	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10603 Units: ug/l

Time:			11:46		12:37		13:28		14:19	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	29.0	<10000	30.8	<10000	55.6	<10000	50.6	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10603 Units: ug/l

Time:			15:09		15:58		16:48		17:37	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	anr							
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	64.5	<10000	43.1	<10000	29.7	<10000	25.2	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10603 Units: ug/l

Time:			18:27	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	15	anr	
Antimony	6.0	1.3	anr	
Arsenic	10	1.6	anr	
Barium	200	1	anr	
Beryllium	4.0	.5	anr	
Cadmium	5.0	.5	anr	
Calcium	1000	50	anr	
Chromium	10	1.8	anr	
Cobalt	50	.5	anr	
Copper	25	1	anr	
Iron	300	29	anr	
Lead	5.0	1.1	anr	
Magnesium	5000	74	anr	
Manganese	15	.7	anr	
Molybdenum	50	.6		
Nickel	40	.5	anr	
Potassium	10000	200	anr	
Selenium	10	2	anr	
Silver	10	.5	anr	
Sodium	10000	500	30.4	<10000
Strontium	10	.5		
Thallium	10	1.3	anr	
Tin	50	.7	anr	
Titanium	10	.9		
Vanadium	50	.5	anr	
Zinc	20	3	anr	

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10603 Units: ug/l

Time:		08:27			09:03			09:56	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	41300	103.3	40000	40600	101.5	40000	40800	102.0
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10603 Units: ug/l

Time:		10:45			11:42			12:33	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	41100	102.8	40000	41900	104.8	40000	42400	106.0
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10603 Units: ug/l

Time:		13:24			14:15			15:05	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	41700	104.3	40000	41300	103.3	40000	40700	101.8
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10603 Units: ug/l

Time:		15:54			16:44			17:33	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	41700	104.3	40000	41400	103.5	40000	41400	103.5
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10603 Units: ug/l

Time:		18:23	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	40000	41900	104.8
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10603 Units: ug/l

Time:		08:17	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	80000	81500	101.9
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10603 Units: ug/l

Time:			08:42		18:10	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	anr			
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	10500	105.0	10600	106.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031513M1.ICP Date Analyzed: 03/15/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10603 Units: ug/l

Time:			08:50		08:57		18:14		18:18	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	507000	101.4	514000	102.8	508000	101.6	508000	101.6
Antimony		1000	0.80		1020	102.0	-0.90		999	99.9
Arsenic		1000	0.0		1020	102.0	0.0		998	99.8
Barium		500	-0.60		521	104.2	-0.30		523	104.6
Beryllium		500	-0.20		507	101.4	-0.20		484	96.8
Cadmium		1000	0.0		964	96.4	0.30		936	93.6
Calcium	500000	500000	488000	97.6	480000	96.0	479000	95.8	478000	95.6
Chromium		500	0.10		492	98.4	-0.30		488	97.6
Cobalt		500	0.20		476	95.2	0.20		462	92.4
Copper		500	0.0		527	105.4	-0.40		516	103.2
Iron	200000	200000	196000	98.0	197000	98.5	195000	97.5	192000	96.0
Lead		1000	0.30		937	93.7	5.2		925	92.5
Magnesium	500000	500000	486000	97.2	482000	96.4	477000	95.4	471000	94.2
Manganese		500	0.20		505	101.0	0.20		508	101.6
Molybdenum		1000	0.10		938	93.8	-0.20		911	91.1
Nickel		1000	0.0		948	94.8	-0.80		917	91.7
Potassium			18.0		22.4		44.1		75.3	
Selenium		1000	0.10		1010	101.0	4.8		988	98.8
Silver		1000	-0.90		1020	102.0	-0.50		1030	103.0
Sodium			64.6		80.0		77.2		89.4	
Strontium		1000	12.3		1020	102.0	12.5		1010	101.0
Thallium		1000	-0.40		946	94.6	0.60		944	94.4
Tin		1000	-1.2		882	88.2	-1.6		866	86.6
Titanium		1000	-2.6		1010	101.0	-2.9		1010	101.0
Vanadium		500	-0.40		489	97.8	-0.80		481	96.2
Zinc		1000	1.4		966	96.6	1.2		945	94.5

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24777
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/13/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	9.3	<200
Antimony	6.0	1.3	1.3	0.80	<6.0
Arsenic	10	1.6	2.5	-0.10	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	0.0	<5.0
Calcium	1000	50	50	16.1	<1000
Chromium	10	1.8	2	-0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-3.8	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	2.2	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	-9.2	<10000
Selenium	10	2	2	0.20	<10
Silver	10	.5	.5		
Sodium	10000	500	500	14.6	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3		
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1		
Zinc	20	3	5		

Associated samples MP24777: FA2600-1, FA2600-2, FA2600-3, FA2600-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24777
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			03/13/13					03/13/13	
Metal	FA2600-1 Original	DUP	RPD	QC Limits	FA2600-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	444	438	1.4	0-20	444	29100	27000	106.1	80-120
Antimony	0.0	0.0	NC	0-20	0.0	542	500	108.4	80-120
Arsenic	39.9	43.7	0.9	0-20	39.9	2210	2000	108.3	80-120
Barium	anr								
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	51.0	50	102.0	80-120
Calcium	374000	362000	3.3	0-20	374000	384000	25000	40.0 (b)	80-120
Chromium	0.0	2.0	18.2	0-20	0.0	217	200	107.3	80-120
Cobalt									
Copper	anr								
Iron	708	268	42.1 (a)	0-20	708	26100	26000	98.8	80-120
Lead	anr								
Magnesium	192000	187000	2.6	0-20	192000	210000	25000	72.0 (b)	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	30900	30000	3.0	0-20	30900	56200	25000	101.2	80-120
Selenium	26.7	39.1	2.3	0-20	26.7	2290	2000	112.5	80-120
Silver	anr								
Sodium	529000	547000	3.3	0-20	529000	546000	25000	68.0 (b)	80-120
Strontium									
Thallium									
Tin	anr								
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP24777: FA2600-1, FA2600-2, FA2600-3, FA2600-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24777
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/13/13

Metal	FA2600-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	444	29200	27000	106.5	0.3	20
Antimony	0.0	545	500	109.0	0.6	20
Arsenic	39.9	2210	2000	108.3	0.0	20
Barium	anr					
Beryllium						
Cadmium	0.0	51.2	50	102.4	0.4	20
Calcium	374000	371000	25000	-12.0(a)	3.4	20
Chromium	0.0	221	200	109.3	1.8	20
Cobalt						
Copper	anr					
Iron	708	26400	26000	100.0	1.1	20
Lead	anr					
Magnesium	192000	204000	25000	48.0 (a)	2.9	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	30900	55300	25000	97.6	1.6	20
Selenium	26.7	2290	2000	112.5	0.0	20
Silver	anr					
Sodium	529000	523000	25000	-24.0(a)	4.3	20
Strontium						
Thallium						
Tin	anr					
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP24777: FA2600-1, FA2600-2, FA2600-3, FA2600-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24777
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/13/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	28500	27000	105.6	80-120
Antimony	513	500	102.6	80-120
Arsenic	2000	2000	100.0	80-120
Barium	anr			
Beryllium				
Cadmium	54.1	50	108.2	80-120
Calcium	26900	25000	107.6	80-120
Chromium	222	200	111.0	80-120
Cobalt				
Copper	anr			
Iron	26700	26000	102.7	80-120
Lead	anr			
Magnesium	25400	25000	101.6	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	25300	25000	101.2	80-120
Selenium	2040	2000	102.0	80-120
Silver	anr			
Sodium	26500	25000	106.0	80-120
Strontium				
Thallium				
Tin	anr			
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24777: FA2600-1, FA2600-2, FA2600-3, FA2600-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24777
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/13/13

Metal	FA2600-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	444	401	9.6	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	39.9	39.5	10.4 (a)	0-10
Barium	anr			
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	374000	389000	4.1	0-10
Chromium	0.00	0.00	NC (a)	0-10
Cobalt				
Copper	anr			
Iron	708	384	6.5	0-10
Lead	anr			
Magnesium	192000	191000	0.6	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	30900	30100	2.5	0-10
Selenium	26.7	38.5	3.8	0-10
Silver	anr			
Sodium	529000	554000	4.8	0-10
Strontium				
Thallium				
Tin	anr			
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24777: FA2600-1, FA2600-2, FA2600-3, FA2600-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24777
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/13/13

Metal	Sample ml	Final ml	FA2600-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	444	435.12	2981	0.2	125	2500	101.8	80-120
Antimony	9.8	10	0	0	104	0.2	5	100	104.0	80-120
Arsenic	9.8	10	39.9	43.218	146.5	0.2	5	100	103.3	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	49.5	0.2	2.5	50	99.0	80-120
Calcium	9.8	10	374000	366520	366800	0.2	250	5000	5.6* (a)	80-120
Chromium	9.8	10	0	2.352	54.7	0.2	2.5	50	104.7	80-120
Cobalt										
Copper										
Iron	9.8	10	708.4	403.074	3304	0.2	150	3000	96.7	80-120
Lead										
Magnesium	9.8	10	192000	188160	189900	0.2	250	5000	34.8*(a)	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	30900	30282	39950	0.2	500	10000	96.7	80-120
Selenium	9.8	10	26.7	39.2	142.5	0.2	5	100	103.3	80-120
Silver										
Sodium	9.8	10	528700	518126	538400	0.2	500	10000	202.7*(a	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24777: FA2600-1, FA2600-2, FA2600-3, FA2600-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN54786	5.0	0.60	mg/l	250	251	100.2	90-113%
Alkalinity, Total as CaCO3	GN54787	25	0.0	mg/l	250	248	99.0	90-113%
Chloride	GP21170/GN54614	2.0	0.0	mg/l	50	48.6	97.2	90-110%
Fluoride	GP21170/GN54614	0.20	0.0	mg/l	2.5	2.46	98.4	90-110%
Nitrogen, Nitrate	GP21170/GN54614	0.10	0.0	mg/l	2.5	2.39	95.6	90-110%
Nitrogen, Nitrite	GP21170/GN54614	0.10	0.0	mg/l	2.5	2.62	104.8	90-110%
Phosphate, Ortho	GP21163/GN54602	0.10	0.0	mg/l	.300	0.31	102.0	83-116%
Phosphorus, Total	GP21188/GN54689	0.10	0.0	mg/l	.300	0.31	103.0	81-118%
Solids, Total Dissolved	GN54681	100	42.0	mg/l				
Specific Conductivity	GN54606	1.0	0.0	umhos/cm				
Sulfate	GP21170/GN54614	2.0	0.0	mg/l	50	49.7	99.4	90-110%

Associated Samples:
Batch GN54606: FA2600-1, FA2600-2, FA2600-3, FA2600-4
Batch GN54681: FA2600-1, FA2600-2, FA2600-3, FA2600-4
Batch GN54786: FA2600-4
Batch GN54787: FA2600-1, FA2600-2, FA2600-3
Batch GP21163: FA2600-1F, FA2600-2F, FA2600-3F, FA2600-4F
Batch GP21170: FA2600-1, FA2600-2, FA2600-3, FA2600-4
Batch GP21188: FA2600-1, FA2600-2, FA2600-3, FA2600-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN54786	FA2746-3	mg/l	354	353	0.3	0-20%
Alkalinity, Total as CaCO3	GN54787	FA2600-1	mg/l	1030	1040	0.7	0-20%
Phosphate, Ortho	GP21163/GN54602	FA2592-4	mg/l	0.056	0.064	14.6	0-26%
Phosphorus, Total	GP21188/GN54689	FA2703-1	mg/l	91.1	91.6	0.6	0-22%
Solids, Total Dissolved	GN54681	FA2592-4	mg/l	193	192	0.5	0-5%
Specific Conductivity	GN54606	FA2600-1	umhos/cm	4030	4020	0.2	0-10%
pH	GN54607	FA2607-2	su	6.49	6.44	0.8	0-10%

Associated Samples:
Batch GN54606: FA2600-1, FA2600-2, FA2600-3, FA2600-4
Batch GN54607: FA2600-1, FA2600-2, FA2600-3, FA2600-4
Batch GN54681: FA2600-1, FA2600-2, FA2600-3, FA2600-4
Batch GN54786: FA2600-4
Batch GN54787: FA2600-1, FA2600-2, FA2600-3
Batch GP21163: FA2600-1F, FA2600-2F, FA2600-3F, FA2600-4F
Batch GP21188: FA2600-1, FA2600-2, FA2600-3, FA2600-4
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN54786	FA2746-3	mg/l	354	250	611	103.0	90-113%
Alkalinity, Total as CaCO3	GN54787	FA2600-1	mg/l	1030	250	1290	103.0	90-113%
Chloride	GP21170/GN54614	FA2594-1	mg/l	12.5	50	61.5	98.0	90-110%
Fluoride	GP21170/GN54614	FA2594-1	mg/l	0.14	2.5	2.3	86.4N(a)	90-110%
Nitrogen, Nitrate	GP21170/GN54614	FA2594-1	mg/l	0.050 U	2.5	2.3	92.0	90-110%
Nitrogen, Nitrite	GP21170/GN54614	FA2594-1	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Phosphate, Ortho	GP21163/GN54602	FA2592-4	mg/l	0.056	.300	0.32	88.5	83-116%
Phosphorus, Total	GP21188/GN54689	FA2703-1	mg/l	91.1	.300	91.7(a)	180.0(b)	81-118%
Sulfate	GP21170/GN54614	FA2594-1	mg/l	0.62	50	46.3	91.4	90-110%

Associated Samples:
Batch GN54786: FA2600-4
Batch GN54787: FA2600-1, FA2600-2, FA2600-3
Batch GP21163: FA2600-1F, FA2600-2F, FA2600-3F, FA2600-4F
Batch GP21170: FA2600-1, FA2600-2, FA2600-3, FA2600-4
Batch GP21188: FA2600-1, FA2600-2, FA2600-3, FA2600-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP21170/GN54614	FA2594-1	mg/l	12.5	50	61.5	0.0	
Fluoride	GP21170/GN54614	FA2594-1	mg/l	0.14	2.5	2.3	0.0	
Nitrogen, Nitrate	GP21170/GN54614	FA2594-1	mg/l	0.050 U	2.5	2.3	0.0	
Nitrogen, Nitrite	GP21170/GN54614	FA2594-1	mg/l	0.050 U	2.5	2.4	0.0	
Phosphate, Ortho	GP21163/GN54602	FA2592-4	mg/l	0.056	.300	0.321	0.0	26%
Phosphorus, Total	GP21188/GN54689	FA2703-1	mg/l	91.1	.300	92.7	1.2(a)	22%
Sulfate	GP21170/GN54614	FA2594-1	mg/l	0.62	50	46.6	0.6	

Associated Samples:
Batch GP21163: FA2600-1F, FA2600-2F, FA2600-3F, FA2600-4F
Batch GP21170: FA2600-1, FA2600-2, FA2600-3, FA2600-4
Batch GP21188: FA2600-1, FA2600-2, FA2600-3, FA2600-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313130301.TXT Date Analyzed: 03/13/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54614
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:29	GN54614-CCV1	1		
09:45	GN54614-CCB1	1		
10:01	GP21170-MB1	1		
10:17	GP21170-B1	1		
11:23	FA2594-1	1		(sample used for QC only; not part of login FA2600)
11:39	ZZZZZZ	5		
11:55	ZZZZZZ	2		
12:10	ZZZZZZ	1		
12:26	ZZZZZZ	5		
12:42	FA2594-6	1		(sample used for QC only; not part of login FA2600)
12:58	GN54614-CCV2	1		
13:14	GN54614-CCB2	1		
13:30	FA2600-1	10		
13:46	FA2600-2	10		
14:02	FA2600-3	25		
14:18	FA2600-4	25		
14:34	ZZZZZZ	1		
14:49	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:53	ZZZZZZ	2		
16:09	GN54614-CCV3	1		
16:25	GN54614-CCB3	1		
16:41	ZZZZZZ	1		
17:12	FA2600-1	25		
17:28	FA2600-2	25		
17:44	ZZZZZZ	1		
18:00	GP21170-S1	1		
18:16	GP21170-S2	1		
18:32	GP21170-S3	1		
18:48	GP21170-S4	1		
19:04	GN54614-CCV4	1		
19:20	GN54614-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313130301.TXT Date Analyzed: 03/13/13 Methods: EPA 300/SW846 9056A
Run ID: GN54614 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54614-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54614-CCV1	Chloride	48.3	2.0	0.80	50	96.6	90-110
GN54614-CCV1	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54614-CCV1	Sulfate	49.1	2.0	0.60	50	98.2	90-110
GN54614-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54614-CCB1	Chloride	0.80 U	2.0	0.80			
GN54614-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54614-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54614-CCV2	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54614-CCV2	Chloride	49.1	2.0	0.80	50	98.2	90-110
GN54614-CCV2	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54614-CCV2	Sulfate	48.8	2.0	0.60	50	97.6	90-110
GN54614-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54614-CCB2	Chloride	0.80 U	2.0	0.80			
GN54614-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54614-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54614-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54614-CCV3	Chloride	49.6	2.0	0.80	50	99.2	90-110
GN54614-CCV3	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54614-CCV3	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN54614-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54614-CCB3	Chloride	0.80 U	2.0	0.80			
GN54614-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54614-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54614-CCV4	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54614-CCV4	Chloride	49.8	2.0	0.80	50	99.6	90-110
GN54614-CCV4	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54614-CCV4	Sulfate	49.2	2.0	0.60	50	98.4	90-110
GN54614-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54614-CCB4	Chloride	0.80 U	2.0	0.80			
GN54614-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54614-CCB4	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140301.TXT Date Analyzed: 03/14/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54628
Parameters: Nitrogen, Nitrate

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:15	GN54628-CCV1	1		
08:30	GN54628-CCB1	1		
08:46	GP21174-MB1	1		
09:02	GP21174-B1	1		
09:55	ZZZZZZ	1		
10:11	ZZZZZZ	1		
10:27	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:59	ZZZZZZ	2		
11:57	GN54628-CCV2	1		
12:12	GP21174-MB1	1		
12:28	GP21174-B1	1		
13:00	ZZZZZZ	5		
13:16	ZZZZZZ	5		
14:30	FA2600-4	100		
14:45	ZZZZZZ	5		
15:01	FA2641-1	1		(sample used for QC only; not part of login FA2600)
15:17	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:49	ZZZZZZ	1		
16:05	GN54628-CCV3	1		
16:21	GN54628-CCB2	1		
16:37	ZZZZZZ	1		
17:24	FA2595-7	1		(sample used for QC only; not part of login FA2600)
18:12	ZZZZZZ	10		
18:28	GN54628-CCV4	1		
18:44	GN54628-CCB3	1		
19:00	GP21174-S1	1		
19:15	GP21174-S2	1		
19:31	GP21174-S3	1		
19:47	GP21174-S4	1		
20:03	GN54628-CCV5	1		
20:19	GN54628-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2600
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140301.TXT Date Analyzed: 03/14/13 Methods: EPA 300/SW846 9056A
Run ID: GN54628 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54628-CCV1	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54628-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54628-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54628-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54628-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54628-CCV4	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54628-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54628-CCV5	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54628-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

03/29/13

Technical Report for

WSP Environment & Energy

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

36785.01

Accutest Job Number: FA2642

Sampling Date: 03/12/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
brian.kelly@wspgroup.com; tim.huff@wspgroup.com;
isaac.pelz@wspgroup.com; steve.dawson@wspgroup.com
ATTN: Tim Huff

Total number of pages in report: **54**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA2642

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Project No: 36785.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA2642-1	03/12/13	13:55	TP	03/14/13	AQ	Ground Water	MWB-120
FA2642-1F	03/12/13	13:55	TP	03/14/13	AQ	Groundwater Filtered	MWB-120
FA2642-2	03/12/13	15:10	TP	03/14/13	AQ	Ground Water	NW9
FA2642-2F	03/12/13	15:10	TP	03/14/13	AQ	Groundwater Filtered	NW9

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA2642

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date** 3/29/2013 9:02:37 PM

2 Samples were collected on 03/12/2013 and were received at Accutest on 03/14/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA2642. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP24809

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2760-1DUP, FA2760-1MS, FA2760-1MSD, FA2760-1PS, FA2760-1SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Antimony, Arsenic, Iron, Selenium, Sodium are outside control limits. Spike recovery indicates possible matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Arsenic, Calcium, Iron, Magnesium, Potassium, Selenium, Sodium are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for Duplicate for Antimony are outside control limits for sample MP24809-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Antimony, Arsenic, Calcium, Chromium, Potassium, Sodium are outside control limits for sample MP24809-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24809-SD1 for Aluminum: Serial dilution indicates possible matrix interference.

MP24809-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP24809-SD1 for Magnesium: Serial dilution indicates possible matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54630

All method blanks for this batch meet method specific criteria.

Sample(s) FA2642-1DUP was used as the QC samples for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA2642-1, FA2642-2. Samples received outside the holding time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21174

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2641-1MS, FA2641-1MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate, Fluoride.

Matrix Spike / Matrix Spike Duplicate Recovery(s) for Fluoride are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21172

All method blanks for this batch meet method specific criteria.

Sample(s) FA2642-1FDUP, FA2642-1FMS, FA2642-1FMSD were used as the QC samples for Phosphate, Ortho.

FA2642-1F for Phosphate, Ortho: Sample analyzed beyond hold time.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21188

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2703-1DUP, FA2703-1MS, FA2703-1MSD were used as the QC samples for Phosphorus, Total.

GP21188-S1 for Phosphorus, Total: Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method SM 4500H B/SW 9040C

Matrix: AQ **Batch ID:** GN54629

Sample(s) FA2642-1DUP was used as the QC samples for pH.

FA2642-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2642-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54753

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2642-1DUP, FA2642-1MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2340B

Matrix: AQ **Batch ID:** R29666

FA2642-2 for Hardness, Total as CaCO3: Calculated as: (Calcium * 2.497) + (Magnesium * 4.118)

Matrix: AQ **Batch ID:** R29667

FA2642-1 for Hardness, Total as CaCO3: Calculated as: (Calcium * 2.497) + (Magnesium * 4.118)

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54691

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2642-2DUP, FA2642-1DUP were used as the QC samples for Solids, Total Dissolved.

RPD(s) for Duplicate for Solids, Total Dissolved are outside control limits for sample GN54691-D1. High RPD due to possible sample non-homogeneity.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: March 29, 2013

Lovelie Metzgar, QA Officer (signature on file)

Summary of Hits

Job Number: FA2642
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/12/13

3

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2642-1	**MWB-120**					
Aluminum		0.455	0.20	0.015	mg/l	SW846 6010C
Cadmium		0.0023 J	0.0050	0.00050	mg/l	SW846 6010C
Calcium		127	1.0	0.050	mg/l	SW846 6010C
Magnesium		48.1	5.0	0.074	mg/l	SW846 6010C
Potassium		4.05 J	10	0.20	mg/l	SW846 6010C
Selenium		0.0222	0.010	0.0020	mg/l	SW846 6010C
Sodium		29.1	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		233	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		233	5.0	0.60	mg/l	SM19 2320B
Chloride		26.1	10	4.0	mg/l	EPA 300/SW846 9056A
Fluoride		16.0	1.0	0.30	mg/l	EPA 300/SW846 9056A
Hardness, Total as CaCO3 [a]		515	23	0.43	mg/l	SM19 2340B
Nitrogen, Nitrate		3.3	0.50	0.25	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2.2	0.50	0.14	mg/l	EPA 365.3
Solids, Total Dissolved		1400	100	10	mg/l	SM19 2540C
Specific Conductivity [b]		1640	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		271	10	3.0	mg/l	EPA 300/SW846 9056A
pH [c]		6.88			su	SM 4500H B/SW 9040C
FA2642-1F	**MWB-120**					
Phosphate, Ortho [d]		1.6	0.50	0.095	mg/l	EPA 365.3
FA2642-2	**NW9**					
Aluminum		2.24	0.20	0.015	mg/l	SW846 6010C
Cadmium		0.0041 J	0.0050	0.00050	mg/l	SW846 6010C
Calcium		202	1.0	0.050	mg/l	SW846 6010C
Magnesium		80.0	5.0	0.074	mg/l	SW846 6010C
Potassium		6.31 J	10	0.20	mg/l	SW846 6010C
Selenium		0.0107	0.010	0.0020	mg/l	SW846 6010C
Sodium		55.7	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		254	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		254	5.0	0.60	mg/l	SM19 2320B
Chloride		73.6	10	4.0	mg/l	EPA 300/SW846 9056A
Fluoride		12.5	1.0	0.30	mg/l	EPA 300/SW846 9056A
Hardness, Total as CaCO3 [a]		834	23	0.43	mg/l	SM19 2340B
Nitrogen, Nitrate		22.2	0.50	0.25	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2.3	0.50	0.14	mg/l	EPA 365.3
Solids, Total Dissolved		1390	100	10	mg/l	SM19 2540C
Specific Conductivity [b]		1020	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		566	20	6.0	mg/l	EPA 300/SW846 9056A
pH [c]		6.78			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA2642
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/12/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2642-2F	**NW9**					
Phosphate, Ortho		1.6	0.50	0.095	mg/l	EPA 365.3

(a) Calculated as: (Calcium * 2.497) + (Magnesium * 4.118)
(b) Sample received outside the holding time.
(c) Field analysis required. Received out of hold time and analyzed by request.
(d) Sample analyzed beyond hold time.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MWB-120		
Lab Sample ID:	FA2642-1	**Date Sampled:**	03/12/13
Matrix:	AQ - Ground Water	**Date Received:**	03/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.455	0.20	0.015	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.0023 J	0.0050	0.00050	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	127	1.0	0.050	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.029 U	0.30	0.029	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	48.1	5.0	0.074	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	4.05 J	10	0.20	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0222	0.010	0.0020	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	29.1	10	0.50	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10608
(2) Prep QC Batch: MP24809

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MWB-120		
Lab Sample ID:	FA2642-1	**Date Sampled:**	03/12/13
Matrix:	AQ - Ground Water	**Date Received:**	03/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	233	5.0	5.0	mg/l	1	03/21/13 11:40	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/21/13 11:40	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	233	5.0	0.60	mg/l	1	03/23/13 11:40	AC	SM19 2320B
Chloride	26.1	10	4.0	mg/l	5	03/14/13 13:00	AA	EPA 300/SW846 9056A
Fluoride	16.0	1.0	0.30	mg/l	5	03/14/13 13:00	AA	EPA 300/SW846 9056A
Hardness, Total as CaCO3 [a]	515	23	0.43	mg/l	1	03/19/13 16:10	LM	SM19 2340B
Nitrogen, Nitrate	3.3	0.50	0.25	mg/l	5	03/14/13 13:00	AA	EPA 300/SW846 9056A
Phosphorus, Total	2.2	0.50	0.14	mg/l	5	03/18/13 09:55	LE	EPA 365.3
Solids, Total Dissolved	1400	100	10	mg/l	1	03/19/13	KC	SM19 2540C
Specific Conductivity [b]	1640	1.0	1.0	umhos/cm	1	03/15/13	KC	EPA 120.1
Sulfate	271	10	3.0	mg/l	5	03/14/13 13:00	AA	EPA 300/SW846 9056A
pH [c]	6.88			su	1	03/14/13 14:00	KC	SM 4500H B/SW 9040C

(a) Calculated as: (Calcium * 2.497) + (Magnesium * 4.118)
(b) Sample received outside the holding time.
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MWB-120		
Lab Sample ID:	FA2642-1F	**Date Sampled:**	03/12/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho [a]	1.6	0.50	0.095	mg/l	5	03/14/13 14:01	LE	EPA 365.3

(a) Sample analyzed beyond hold time.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	NW9		
Lab Sample ID:	FA2642-2	**Date Sampled:**	03/12/13
Matrix:	AQ - Ground Water	**Date Received:**	03/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2.24	0.20	0.015	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.0041 J	0.0050	0.00050	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	202	1.0	0.050	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.029 U	0.30	0.029	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	80.0	5.0	0.074	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	6.31 J	10	0.20	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0107	0.010	0.0020	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	55.7	10	0.50	mg/l	1	03/19/13	03/19/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10608
(2) Prep QC Batch: MP24809

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	NW9		
Lab Sample ID:	FA2642-2	**Date Sampled:**	03/12/13
Matrix:	AQ - Ground Water	**Date Received:**	03/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	254	5.0	5.0	mg/l	1	03/21/13 11:40	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/21/13 11:40	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	254	5.0	0.60	mg/l	1	03/23/13 11:40	AC	SM19 2320B
Chloride	73.6	10	4.0	mg/l	5	03/14/13 13:16	AA	EPA 300/SW846 9056A
Fluoride	12.5	1.0	0.30	mg/l	5	03/14/13 13:16	AA	EPA 300/SW846 9056A
Hardness, Total as CaCO3 [a]	834	23	0.43	mg/l	1	03/19/13 16:14	LM	SM19 2340B
Nitrogen, Nitrate	22.2	0.50	0.25	mg/l	5	03/14/13 13:16	AA	EPA 300/SW846 9056A
Phosphorus, Total	2.3	0.50	0.14	mg/l	5	03/18/13 09:55	LE	EPA 365.3
Solids, Total Dissolved	1390	100	10	mg/l	1	03/19/13	KC	SM19 2540C
Specific Conductivity [b]	1020	1.0	1.0	umhos/cm	1	03/15/13	KC	EPA 120.1
Sulfate	566	20	6.0	mg/l	10	03/14/13 18:12	AA	EPA 300/SW846 9056A
pH [c]	6.78			su	1	03/14/13 14:00	KC	SM 4500H B/SW 9040C

(a) Calculated as: (Calcium * 2.497) + (Magnesium * 4.118)
(b) Sample received outside the holding time.
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	NW9		
Lab Sample ID:	FA2642-2F	**Date Sampled:**	03/12/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/14/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	1.6	0.50	0.095	mg/l	5	03/14/13 14:01	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA2642 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: WSP ENV + ENG
Address: 205 W. PARK ST.
City: JACKSON State: MO Zip: 63755
Project Contact: TIM HUFF E-mail: TIMHUFF@wspgroup.com
Phone#: 571-217-6759
Sampler(s) Name(s) (Printed): [illegible]

Project Information

Project Name: AGRIUM
Street
City State
Project #
Fax #
Client Purchase Order #

Analytical Information

SEE ATTACHED

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	SEE ATTACHED	LAB USE ONLY
1	MWB-120	03/14/13	1355	TP	GW	4		X			X	X				X	
2	NW9	03/12/13	1510	"	"	"		X			X	X				X	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	03/12/13 1555	2 PP	3 PP 03-14-13	0945	4 [signature]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.8

FA2642: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA2642 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 03-14-13 945 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8017 3227 8922

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.4
- [ ] CORRECTED TEMPS: 2.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE R Willu 03-14-13 REVIEWER SIGNATURE/DATE [signature] 03/14/13

NF 12/10 receipt confirmation 122910.xls

5.1 5

FA2642: Chain of Custody
Page 2 of 3

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

Analyte List #2 (groundwater samples and groundwater sampling equipment blanks)

- total dissolved solids (TDS)
- Total metals - aluminum, antimony, arsenic, cadmium, calcium, chromium, iron, magnesium, potassium, selenium, and sodium
- chloride, fluoride, nitrate as N, and sulfate
- pH
- total phosphorous
- dissolved orthophosphate
- bicarbonate and carbonate alkalinity as $CaCO_3$
- specific conductance

NOTE – if turbidity at the time of sampling is greater than 50 NTU, collect dissolved metals sample and submit to laboratory ON HOLD for the same analyte list as the total metals sample.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:10	MA10608-STD1	1		STDA
08:14	MA10608-STD2	1		STDB
08:17	MA10608-STD3	1		STDC
08:20	MA10608-STD4	1		STDD
08:26	MA10608-HSTD1	1		
08:35	MA10608-ICV1	1		
08:42	MA10608-ICB1	1		
08:46	MA10608-CRIA1	1		
09:05	MA10608-ICSA1	1		
09:12	MA10608-ICSAB1	1		
09:24	MA10608-CCV1	1		
09:32	MA10608-CCB1	1		
09:36	MP24804-MB1	1		
09:40	MP24804-B1	1		
09:44	FA2775-7	1		(sample used for QC only; not part of login FA2642)
09:48	MP24804-D1	1		
09:52	MP24804-SD1	5		
09:56	MP24804-PS1	1		
10:00	MP24804-S1	1		
10:05	MP24804-S2	1		
10:09	ZZZZZZ	1		
10:13	ZZZZZZ	1		
10:17	MA10608-CCV2	1		
10:21	MA10608-CCB2	1		
10:25	ZZZZZZ	1		
10:29	ZZZZZZ	1		
10:33	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:42	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:54	ZZZZZZ	1		
10:58	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:02	ZZZZZZ	1		
11:06	MA10608-CCV3	1		
11:10	MA10608-CCB3	1		
11:14	ZZZZZZ	1		
11:18	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:27	ZZZZZZ	1		
11:31	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:39	ZZZZZZ	1		
11:44	ZZZZZZ	10		
11:48	ZZZZZZ	40		
11:52	ZZZZZZ	2		
11:56	MA10608-CCV4	1		
12:00	MA10608-CCB4	1		
12:04	ZZZZZZ	25		
12:08	ZZZZZZ	2		
12:12	ZZZZZZ	40		
12:16	FA2672-1	10		(sample used for QC only; not part of login FA2642)
12:20	MP24792-D1	10		
12:24	MP24792-S1	10		
12:28	MP24792-S2	10		
12:32	MP24792-PS1	10		
12:37	MP24792-SD1	50		
12:41	FA2672-2	25		(sample used for QC only; not part of login FA2642)
12:45	MA10608-CCV5	1		
12:49	MA10608-CCB5	1		
12:57	ZZZZZZ	40		
13:01	ZZZZZZ	20		
13:05	ZZZZZZ	10		
13:10	ZZZZZZ	2		
13:14	ZZZZZZ	20		
13:18	ZZZZZZ	40		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:22	ZZZZZZ	4		
13:27	MP24809-MB1	1		
13:31	MP24809-B1	1		
13:35	MA10608-CCV6	1		
13:39	MA10608-CCB6	1		
14:16	MA10608-CCV7	1		
14:27	MA10608-CCB7	1		
14:32	FA2760-1	1		(sample used for QC only; not part of login FA2642)
14:36	MP24809-D1	1		
14:40	MP24809-SD1	5		
14:44	MP24809-PS1	1		
14:48	MP24809-S1	1		
14:52	MP24809-S2	1		
14:56	ZZZZZZ	1		
15:00	ZZZZZZ	1		
15:04	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:12	MA10608-CCV8	1		
15:16	MA10608-CCB8	1		
15:20	ZZZZZZ	1		
15:25	ZZZZZZ	1		
15:29	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:49	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:57	ZZZZZZ	1		
16:01	MA10608-CCV9	1		
16:05	MA10608-CCB9	1		
16:10	FA2642-1	1		
16:14	FA2642-2	1		

----------> Last reportable sample/prep for job FA2642

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:18	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:31	MP24810-MB1	1		
16:35	MP24810-B1	1		
16:39	FA2658-3	1		(sample used for QC only; not part of login FA2642)
16:44	MP24810-D1	1		
16:48	MP24810-SD1	5		
16:52	MA10608-CCV10	1		
16:56	MA10608-CCB10	1		
17:00	MP24810-PS1	1		
17:04	MP24810-S1	1		
17:08	MP24810-S2	1		
17:13	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:25	ZZZZZZ	1		
17:29	ZZZZZZ	1		
17:33	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:41	MA10608-CCV11	1		
17:45	MA10608-CCB11	1		
17:50	ZZZZZZ	1		
17:54	ZZZZZZ	1		
17:58	ZZZZZZ	1		
18:02	ZZZZZZ	1		
18:06	ZZZZZZ	1		
18:10	ZZZZZZ	1		
18:14	ZZZZZZ	1		
18:18	ZZZZZZ	1		
18:22	ZZZZZZ	1		
18:26	MA10608-CRIA2	1		
18:31	MA10608-CCV12	1		
18:35	MA10608-CCB12	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:39	MA10608-ICSA2	1		
18:43	MA10608-ICSAB2	1		
18:47	MA10608-CCV13	1		
18:51	MA10608-CCB13	1		

----------> Last reportable CCB for job FA2642
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:10	MA10608-STD1	7799	39223	6782	3316
08:14	MA10608-STD2	7752	38418	6854	3109
08:17	MA10608-STD3	7338	36968	6941	2769
08:20	MA10608-STD4	7128	36136	6850	2549
08:26	MA10608-HSTD1	7189	36383	6858	2526
08:35	MA10608-ICV1	7336	37042	6859	2754
08:42	MA10608-ICB1	7951 R	40216 R	6935 R	3339 R
08:46	MA10608-CRIA1	7854	39311	7037	3217
09:05	MA10608-ICSA1	6768	33043	6739	2454
09:12	MA10608-ICSAB1	6679	33069	6621	2370
09:24	MA10608-CCV1	7401	37073	6898	2740
09:32	MA10608-CCB1	7942	39843	6951	3325
09:36	MP24804-MB1	7948	39928	7100	3336
09:40	MP24804-B1	7694	38551	7049	2976
09:44	FA2775-7	7734	37274	7259	2832
09:48	MP24804-D1	7861	37809	7338	2880
09:52	MP24804-SD1	7860	38414	7126	3144
09:56	MP24804-PS1	7635	36659	7184	2809
10:00	MP24804-S1	7636	36880	7151	2711
10:05	MP24804-S2	7703	37349	7147	2720
10:09	ZZZZZZ	7791	39152	7086	3115
10:13	ZZZZZZ	7813	39219	7200	3132
10:17	MA10608-CCV2	7471	37301	6815	2741
10:21	MA10608-CCB2	7985	40064	6946	3333
10:25	ZZZZZZ	8179	40345	7545	2965
10:29	ZZZZZZ	8024	40496	7197	3254
10:33	ZZZZZZ	8965	42288	8469	2673
10:37	ZZZZZZ	9111	43207	8667	2706
10:42	ZZZZZZ	7672	38033	7037	3005
10:46	ZZZZZZ	7564	38128	6966	2962
10:50	ZZZZZZ	7840	39411	7032	3077
10:54	ZZZZZZ	7660	38316	6890	3054
10:58	ZZZZZZ	7646	38917	6919	3117

INTERNAL STANDARD SUMMARY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:02	ZZZZZZ	7634	38869	6911	3105
11:06	MA10608-CCV3	7496	37594	6839	2769
11:10	MA10608-CCB3	7863	39746	6979	3360
11:14	ZZZZZZ	7718	39360	6944	3250
11:18	ZZZZZZ	7862	39359	7473	2715
11:23	ZZZZZZ	7966	39737	7140	3221
11:27	ZZZZZZ	7758	39022	6994	3186
11:31	ZZZZZZ	7776	39432	6919	3291
11:35	ZZZZZZ	7474	37700	7042	2723
11:39	ZZZZZZ	7649	37599	6995	2816
11:44	ZZZZZZ	7597	38247	6859	3120
11:48	ZZZZZZ	7611	38130	6888	3017
11:52	ZZZZZZ	7499	37712	6739	2942
11:56	MA10608-CCV4	7413	37012	6849	2759
12:00	MA10608-CCB4	7823	39485	6894	3351
12:04	ZZZZZZ	7409	37226	6662	2958
12:08	ZZZZZZ	7407	37226	6785	2887
12:12	ZZZZZZ	7524	37463	6835	2972
12:16	FA2672-1	7412	37500	6834	2940
12:20	MP24792-D1	7417	37313	6765	2933
12:24	MP24792-S1	7529	37738	6858	2927
12:28	MP24792-S2	7435	37168	6757	2912
12:32	MP24792-PS1	7389	37025	6720	2930
12:37	MP24792-SD1	7688	38554	6786	3154
12:41	FA2672-2	7525	37712	6753	2961
12:45	MA10608-CCV5	7398	37291	6820	2752
12:49	MA10608-CCB5	7724	39357	6857	3319
12:57	ZZZZZZ	7583	37943	6817	3006
13:01	ZZZZZZ	7646	38251	6885	3115
13:05	ZZZZZZ	7551	38016	6803	3040
13:10	ZZZZZZ	7349	37306	6717	2876
13:14	ZZZZZZ	7467	37872	6730	2964
13:18	ZZZZZZ	7553	38026	6812	3059

INTERNAL STANDARD SUMMARY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:22	ZZZZZZ	6163	30757	6365	2221
13:27	MP24809-MB1	7847	40057	6905	3322
13:31	MP24809-B1	7559	37902	6779	2919
13:35	MA10608-CCV6	7318	36877	6673	2734
13:39	MA10608-CCB6	7736	39342	6810	3322
14:16	MA10608-CCV7	7401	37442	6781	2757
14:27	MA10608-CCB7	7807	39697	6885	3342
14:32	FA2760-1	9760	49452	8791	3121
14:36	MP24809-D1	9650	48903	8542	3060
14:40	MP24809-SD1	8286	42027	7218	3235
14:44	MP24809-PS1	9631	48422	8698 !	3016
14:48	MP24809-S1	9301	47450	8550	2869
14:52	MP24809-S2	9372	47695	8594	2868
14:56	ZZZZZZ	10344 !	52239 !	9226 !	3063
15:00	ZZZZZZ	10055 !	51016 !	9238 !	3000
15:04	ZZZZZZ	8166	41595	7301	3227
15:08	ZZZZZZ	10870 !	55565 !	9737 !	3056
15:12	MA10608-CCV8	7391	37588	6793	2761
15:16	MA10608-CCB8	7699	39410	6827	3322
15:20	ZZZZZZ	8628	43951	7833	3059
15:25	ZZZZZZ	10604 !	53817 !	9584 !	2996
15:29	ZZZZZZ	8313	42345	7467	3158
15:33	ZZZZZZ	11075 !	56737 !	10014 !	3129
15:37	ZZZZZZ	10902 !	55282 !	9779 !	3038
15:41	ZZZZZZ	8712	44271	7686	3169
15:45	ZZZZZZ	11794 !	60128 !	10515 !	3131
15:49	ZZZZZZ	7585	38690	6849	3128
15:53	ZZZZZZ	7934	40632	7126	3092
15:57	ZZZZZZ	10642 !	54802 !	9642 !	3064
16:01	MA10608-CCV9	7338	37421	6748	2756
16:05	MA10608-CCB9	7712	39570	6769	3326
16:10	FA2642-1	7274	37337	6735	2888
16:14	FA2642-2	7189	36681	6751	2784

INTERNAL STANDARD SUMMARY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:18	ZZZZZZ	7626	38862	6888	3158
16:27	ZZZZZZ	7213	36295	6666	2726
16:31	MP24810-MB1	7867	40334	6841	3347
16:35	MP24810-B1	7534	38142	6850	2965
16:39	FA2658-3	7251	37155	6792	2870
16:44	MP24810-D1	7250	36883	6621	2833
16:48	MP24810-SD1	7601	38677	6738	3121
16:52	MA10608-CCV10	7227	36502	6626	2715
16:56	MA10608-CCB10	7657	38947	6705	3307
17:00	MP24810-PS1	7328	37324	6721	2835
17:04	MP24810-S1	7249	36617	6683	2713
17:08	MP24810-S2	7217	36479	6705	2720
17:13	ZZZZZZ	7277	37336	6702	2898
17:17	ZZZZZZ	7268	37375	6634	2861
17:21	ZZZZZZ	7299	37367	6628	2868
17:25	ZZZZZZ	7444	38123	6757	3029
17:29	ZZZZZZ	7348	37767	6711	3017
17:33	ZZZZZZ	7315	37975	6650	2968
17:37	ZZZZZZ	7478	38395	6667	3047
17:41	MA10608-CCV11	7340	37415	6661	2762
17:45	MA10608-CCB11	7690	39500	6762	3330
17:50	ZZZZZZ	7453	38016	6661	3018
17:54	ZZZZZZ	7424	38278	6578	3030
17:58	ZZZZZZ	7424	37998	6727	3019
18:02	ZZZZZZ	7365	37845	6735	3025
18:06	ZZZZZZ	7343	37511	6565	2973
18:10	ZZZZZZ	7432	38207	6625	3019
18:14	ZZZZZZ	7314	37715	6593	2968
18:18	ZZZZZZ	7364	37806	6727	3006
18:22	ZZZZZZ	7268	37438	6571	3004
18:26	MA10608-CRIA2	7584	38891	6610	3183
18:31	MA10608-CCV12	7251	36944	6523	2726
18:35	MA10608-CCB12	7602	38911	6531	3291

INTERNAL STANDARD SUMMARY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:39	MA10608-ICSA2	6577	32644	6367	2429
18:43	MA10608-ICSAB2	6526	32662	6325	2379
18:47	MA10608-CCV13	7229	36916	6491	2753
18:51	MA10608-CCB13	7609	38794	6477	3311

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10608 Units: ug/l

Time:			08:42		09:32		10:21		11:10	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-2.3	<200	12.8	<200	4.3	<200	1.1	<200
Antimony	6.0	1.3	0.40	<6.0	-1.6	<6.0	-1.4	<6.0	-2.5	<6.0
Arsenic	10	1.6	-0.20	<10	0.0	<10	0.70	<10	0.0	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.10	<5.0	0.0	<5.0
Calcium	1000	50	0.50	<1000	6.3	<1000	4.0	<1000	5.4	<1000
Chromium	10	1.8	0.10	<10	0.10	<10	0.0	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	0.20	<300	6.0	<300	10.8	<300	8.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-0.60	<5000	-2.7	<5000	14.4	<5000	-2.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	21.4	<10000	-9.3	<10000	9.6	<10000	1.5	<10000
Selenium	10	2	0.20	<10	0.20	<10	-0.10	<10	0.40	<10
Silver	10	.5	anr							
Sodium	10000	500	34.0	<10000	41.5	<10000	22.6	<10000	30.5	<10000
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10608 Units: ug/l

Time:			12:00		12:49		13:39		14:27	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.2	<200	8.4	<200	3.2	<200	-6.5	<200
Antimony	6.0	1.3	-1.3	<6.0	-1.6	<6.0	-1.4	<6.0	0.70	<6.0
Arsenic	10	1.6	-0.20	<10	0.10	<10	-0.30	<10	0.40	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	3.3	<1000	4.8	<1000	1.4	<1000	9.5	<1000
Chromium	10	1.8	0.20	<10	0.10	<10	-0.20	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	2.2	<300	5.6	<300	4.2	<300	8.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	0.0	<5000	8.9	<5000	7.9	<5000	-2.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	60.7	<10000	18.7	<10000	29.0	<10000	17.6	<10000
Selenium	10	2	0.10	<10	1.0	<10	0.20	<10	1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	104	<10000	65.6	<10000	232	<10000	-76	<10000
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10608 Units: ug/l

Time:			15:16		16:05		16:56		17:45	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	7.6	<200	8.0	<200	4.9	<200	-2.5	<200
Antimony	6.0	1.3	1.3	<6.0	0.30	<6.0	0.90	<6.0	1.1	<6.0
Arsenic	10	1.6	0.0	<10	0.70	<10	0.10	<10	0.70	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	22.6	<1000	23.4	<1000	26.5	<1000	21.8	<1000
Chromium	10	1.8	0.40	<10	0.60	<10	0.80	<10	0.60	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	16.2	<300	19.2	<300	20.5	<300	15.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-11	<5000	2.1	<5000	3.9	<5000	-10	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	2.8	<10000	-15	<10000	47.5	<10000	28.0	<10000
Selenium	10	2	0.10	<10	0.70	<10	1.0	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	-100	<10000	-110	<10000	-61	<10000	-87	<10000
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10608 Units: ug/l

Time:			18:35		18:51	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	-1.9	<200	15.9	<200
Antimony	6.0	1.3	1.6	<6.0	1.4	<6.0
Arsenic	10	1.6	0.40	<10	0.30	<10
Barium	200	1	anr			
Beryllium	4.0	.5				
Cadmium	5.0	.5	0.20	<5.0	0.0	<5.0
Calcium	1000	50	20.1	<1000	26.5	<1000
Chromium	10	1.8	0.40	<10	0.20	<10
Cobalt	50	.5				
Copper	25	1				
Iron	300	29	14.0	<300	18.4	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	5.5	<5000	4.1	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5				
Potassium	10000	200	43.7	<10000	42.0	<10000
Selenium	10	2	0.80	<10	0.90	<10
Silver	10	.5	anr			
Sodium	10000	500	-110	<10000	-98	<10000
Strontium	10	.5				
Thallium	10	1.3				
Tin	50	.7				
Titanium	10	.9				
Vanadium	50	.5				
Zinc	20	3				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10608 Units: ug/l

Time:		08:35			09:24			10:17	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41200	103.0	40000	42400	106.0	40000	42200	105.5
Antimony	2000	2040	102.0	2000	2060	103.0	2000	2030	101.5
Arsenic	2000	2020	101.0	2000	2070	103.5	2000	2040	102.0
Barium	anr								
Beryllium									
Cadmium	2000	2060	103.0	2000	2110	105.5	2000	2090	104.5
Calcium	40000	41800	104.5	40000	42400	106.0	40000	42100	105.3
Chromium	2000	2070	103.5	2000	2120	106.0	2000	2110	105.5
Cobalt									
Copper									
Iron	40000	41200	103.0	40000	41700	104.3	40000	41500	103.8
Lead	anr								
Magnesium	40000	39600	99.0	40000	41900	104.8	40000	41700	104.3
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	40800	102.0	40000	41900	104.8	40000	41700	104.3
Selenium	2000	2080	104.0	2000	2070	103.5	2000	2040	102.0
Silver	anr								
Sodium	40000	41300	103.3	40000	42500	106.3	40000	42500	106.3
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10608 Units: ug/l

Time:		11:06			11:56			12:45	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41600	104.0	40000	42100	105.3	40000	42000	105.0
Antimony	2000	2040	102.0	2000	2070	103.5	2000	2080	104.0
Arsenic	2000	2050	102.5	2000	2070	103.5	2000	2080	104.0
Barium	anr								
Beryllium									
Cadmium	2000	2080	104.0	2000	2100	105.0	2000	2110	105.5
Calcium	40000	41500	103.8	40000	41900	104.8	40000	41700	104.3
Chromium	2000	2080	104.0	2000	2110	105.5	2000	2110	105.5
Cobalt									
Copper									
Iron	40000	40900	102.3	40000	41100	102.8	40000	41100	102.8
Lead	anr								
Magnesium	40000	41100	102.8	40000	41300	103.3	40000	41200	103.0
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	41100	102.8	40000	41900	104.8	40000	41800	104.5
Selenium	2000	2050	102.5	2000	2080	104.0	2000	2090	104.5
Silver	anr								
Sodium	40000	41900	104.8	40000	42400	106.0	40000	42400	106.0
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10608 Units: ug/l

Time:		13:35			14:16			15:12	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	42300	105.8	40000	41100	102.8	40000	41300	103.3
Antimony	2000	2110	105.5	2000	2060	103.0	2000	2060	103.0
Arsenic	2000	2100	105.0	2000	2060	103.0	2000	2060	103.0
Barium	anr								
Beryllium									
Cadmium	2000	2120	106.0	2000	2080	104.0	2000	2080	104.0
Calcium	40000	41800	104.5	40000	41300	103.3	40000	41400	103.5
Chromium	2000	2120	106.0	2000	2070	103.5	2000	2070	103.5
Cobalt									
Copper									
Iron	40000	41300	103.3	40000	41500	103.8	40000	41200	103.0
Lead	anr								
Magnesium	40000	41400	103.5	40000	41400	103.5	40000	41200	103.0
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	42500	106.3	40000	41200	103.0	40000	41000	102.5
Selenium	2000	2110	105.5	2000	2060	103.0	2000	2070	103.5
Silver	anr								
Sodium	40000	43000	107.5	40000	41300	103.3	40000	41400	103.5
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10608 Units: ug/l

Time:		16:01			16:52			17:41	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41500	103.8	40000	42400	106.0	40000	41400	103.5
Antimony	2000	2090	104.5	2000	2120	106.0	2000	2090	104.5
Arsenic	2000	2080	104.0	2000	2120	106.0	2000	2080	104.0
Barium	anr								
Beryllium									
Cadmium	2000	2090	104.5	2000	2130	106.5	2000	2100	105.0
Calcium	40000	41500	103.8	40000	42300	105.8	40000	41200	103.0
Chromium	2000	2070	103.5	2000	2140	107.0	2000	2080	104.0
Cobalt									
Copper									
Iron	40000	41600	104.0	40000	41900	104.8	40000	41200	103.0
Lead	anr								
Magnesium	40000	41300	103.3	40000	42000	105.0	40000	41000	102.5
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	41400	103.5	40000	42200	105.5	40000	41600	104.0
Selenium	2000	2090	104.5	2000	2130	106.5	2000	2090	104.5
Silver	anr								
Sodium	40000	41700	104.3	40000	42500	106.3	40000	41700	104.3
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10608 Units: ug/l

Time:		18:31			18:47	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41500	103.8	40000	41000	102.5
Antimony	2000	2090	104.5	2000	2100	105.0
Arsenic	2000	2080	104.0	2000	2080	104.0
Barium	anr					
Beryllium						
Cadmium	2000	2100	105.0	2000	2080	104.0
Calcium	40000	41300	103.3	40000	40700	101.8
Chromium	2000	2070	103.5	2000	2050	102.5
Cobalt						
Copper						
Iron	40000	41400	103.5	40000	41200	103.0
Lead	anr					
Magnesium	40000	41200	103.0	40000	40900	102.3
Manganese	anr					
Molybdenum						
Nickel						
Potassium	40000	41900	104.8	40000	41800	104.5
Selenium	2000	2080	104.0	2000	2090	104.5
Silver	anr					
Sodium	40000	42000	105.0	40000	41400	103.5
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10608 Units: ug/l

Time:		08:26	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79100	98.9
Antimony	4000	3880	97.0
Arsenic	4000	3900	97.5
Barium	anr		
Beryllium			
Cadmium	4000	3920	98.0
Calcium	80000	78900	98.6
Chromium	4000	3920	98.0
Cobalt			
Copper			
Iron	80000	77600	97.0
Lead	anr		
Magnesium	80000	78000	97.5
Manganese	anr		
Molybdenum			
Nickel			
Potassium	80000	78100	97.6
Selenium	4000	3870	96.8
Silver	anr		
Sodium	80000	79200	99.0
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10608 Units: ug/l

Time:			08:46		18:26	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	213	106.5	196	98.0
Antimony	10	5.0	4.0	80.0	6.3	126.0
Arsenic	20	10	9.5	95.0	10.4	104.0
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	5.2	104.0	5.2	104.0
Calcium	2000	1000	1050	105.0	1040	104.0
Chromium	20	10	10.3	103.0	10.2	102.0
Cobalt	100	50				
Copper	50	25				
Iron	600	300	312	104.0	322	107.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5130	102.6	5090	101.8
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000	9950	99.5	10200	102.0
Selenium	20	10	9.5	95.0	10.2	102.0
Silver	20	10	anr			
Sodium	20000	10000	10300	103.0	10100	101.0
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10608 Units: ug/l

Time:			09:05		09:12		18:39		18:43	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	502000	100.4	504000	100.8	496000	99.2	494000	98.8
Antimony		1000	-0.80		985	98.5	0.0		1010	101.0
Arsenic		1000	0.0		996	99.6	-0.50		1010	101.0
Barium		500	-0.50		516	103.2	-0.20		511	102.2
Beryllium		500	-0.20		491	98.2	0.0		494	98.8
Cadmium		1000	-0.20		937	93.7	-0.30		931	93.1
Calcium	500000	500000	480000	96.0	481000	96.2	471000	94.2	467000	93.4
Chromium		500	-0.30		481	96.2	0.10		474	94.8
Cobalt		500	0.30		462	92.4	0.40		459	91.8
Copper		500	-0.90		514	102.8	-0.50		520	104.0
Iron	200000	200000	192000	96.0	194000	97.0	192000	96.0	193000	96.5
Lead		1000	0.10		934	93.4	0.50		889	88.9
Magnesium	500000	500000	473000	94.6	471000	94.2	467000	93.4	464000	92.8
Manganese		500	-0.60		495	99.0	-0.50		500	100.0
Molybdenum		1000	0.10		908	90.8	0.10		942	94.2
Nickel		1000	-0.50		914	91.4	-1.1		938	93.8
Potassium			49.2		70.8		112		91.2	
Selenium		1000	0.0		979	97.9	3.1		996	99.6
Silver		1000	0.0		997	99.7	0.50		997	99.7
Sodium			115		136		28.1		27.4	
Strontium		1000	12.8		999	99.9	13.6		1030	103.0
Thallium		1000	0.0		942	94.2	-0.70		949	94.9
Tin		1000	-0.70		865	86.5	-0.90		872	87.2
Titanium		1000	-2.4		992	99.2	-2.3		1010	101.0
Vanadium		500	-0.10		480	96.0	0.60		479	95.8
Zinc		1000	1.1		943	94.3	1.6		933	93.3

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24809
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/19/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	1.0	<200
Antimony	6.0	1.3	1.3	-2.3	<6.0
Arsenic	10	1.6	2.5	-0.40	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.20	<5.0
Calcium	1000	50	50	67.9	<1000
Chromium	10	1.8	2	-0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-7.1	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	3.5	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	196	<10000
Selenium	10	2	2	-0.80	<10
Silver	10	.5	.5		
Sodium	10000	500	500	1230	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3		
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1		
Zinc	20	3	5		

Associated samples MP24809: FA2642-1, FA2642-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24809
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			03/19/13					03/19/13	
Metal	FA2760-1 Original	DUP	RPD	QC Limits	FA2760-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	11000	11200	1.8	0-20	11000	33600	27000	83.7	80-120
Antimony	1.4	0.0	200.0(a)	0-20	1.4	348	500	69.3N(b)	80-120
Arsenic	3.5	3.3	5.9	0-20	3.5	1500	2000	74.8N(b)	80-120
Barium	anr								
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	41.4	50	82.8	80-120
Calcium	1590	1610	1.3	0-20	1590	22100	25000	82.0	80-120
Chromium	18.5	19.1	3.2	0-20	18.5	185	200	83.3	80-120
Cobalt									
Copper									
Iron	21000	21300	1.4	0-20	21000	40400	26000	74.6N(b)	80-120
Lead	anr								
Magnesium	5690	5820	2.3	0-20	5690	25700	25000	80.0	80-120
Manganese									
Molybdenum									
Nickel									
Potassium	7290	7410	1.6	0-20	7290	27400	25000	80.4	80-120
Selenium	0.0	0.0	NC	0-20	0.0	1500	2000	75.0N(b)	80-120
Silver	anr								
Sodium	9030	9010	0.2	0-20	9030	29000	25000	79.9N(b)	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP24809: FA2642-1, FA2642-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24809
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/19/13

Metal	FA2760-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	11000	32500	27000	79.6N(a)	3.3	20
Antimony	1.4	324	500	64.5N(a)	7.1	20
Arsenic	3.5	1420	2000	70.8N(a)	5.5	20
Barium	anr					
Beryllium						
Cadmium	0.0	40.1	50	80.2	3.2	20
Calcium	1590	21500	25000	79.6N(a)	2.8	20
Chromium	18.5	179	200	80.3	3.3	20
Cobalt						
Copper						
Iron	21000	38700	26000	68.1N(a)	4.3	20
Lead	anr					
Magnesium	5690	25000	25000	77.2N(a)	2.8	20
Manganese						
Molybdenum						
Nickel						
Potassium	7290	26700	25000	77.6N(a)	2.6	20
Selenium	0.0	1430	2000	71.5N(a)	4.8	20
Silver	anr					
Sodium	9030	28500	25000	77.9N(a)	1.7	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP24809: FA2642-1, FA2642-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24809
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/19/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	27800	27000	103.0	80-120
Antimony	517	500	103.4	80-120
Arsenic	2000	2000	100.0	80-120
Barium	anr			
Beryllium				
Cadmium	52.1	50	104.2	80-120
Calcium	25800	25000	103.2	80-120
Chromium	212	200	106.0	80-120
Cobalt				
Copper				
Iron	26600	26000	102.3	80-120
Lead	anr			
Magnesium	24900	25000	99.6	80-120
Manganese				
Molybdenum				
Nickel				
Potassium	25700	25000	102.8	80-120
Selenium	2040	2000	102.0	80-120
Silver	anr			
Sodium	26500	25000	106.0	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24809: FA2642-1, FA2642-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24809
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/19/13

Metal	FA2760-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	11000	14200	28.9*(a)	0-10
Antimony	1.40	0.00	100.0(b)	0-10
Arsenic	3.50	0.00	100.0(b)	0-10
Barium	anr			
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	1590	2390	50.9 (b)	0-10
Chromium	18.5	23.8	28.6 (b)	0-10
Cobalt				
Copper				
Iron	21000	26500	25.8*(a)	0-10
Lead	anr			
Magnesium	5690	7400	30.1*(a)	0-10
Manganese				
Molybdenum				
Nickel				
Potassium	7290	9170	25.8 (b)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	9030	11400	26.1 (b)	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24809: FA2642-1, FA2642-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24809
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/19/13

Metal	Sample ml	Final ml	FA2760-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	10980	10760.4	13220	0.2	125	2500	98.4	80-120
Antimony	9.8	10	1.4	1.372	98.9	0.2	5	100	97.5	80-120
Arsenic	9.8	10	3.5	3.43	100.2	0.2	5	100	96.8	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	50.7	0.2	2.5	50	101.4	80-120
Calcium	9.8	10	1586	1554.28	7436	0.2	250	5000	117.6	80-120
Chromium	9.8	10	18.5	18.13	69.8	0.2	2.5	50	103.3	80-120
Cobalt										
Copper										
Iron	9.8	10	21020	20599.6	23090	0.2	150	3000	83.0	80-120
Lead										
Magnesium	9.8	10	5689	5575.22	10550	0.2	250	5000	99.5	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	7292	7146.16	16890	0.2	500	10000	97.4	80-120
Selenium	9.8	10	0	0	95.9	0.2	5	100	95.9	80-120
Silver										
Sodium	9.8	10	9029	8848.42	18920	0.2	500	10000	100.7	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24809: FA2642-1, FA2642-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN54753	5.0	1.0	mg/l	250	252	100.8	90-113%
Bromide	GP21174/GN54628	0.50	0.0	mg/l	12.5	11.6	92.8	90-110%
Chloride	GP21174/GN54628	2.0	0.0	mg/l	50	50.2	100.4	90-110%
Fluoride	GP21174/GN54628	0.20	0.0	mg/l	2.5	2.60	104.0	90-110%
Nitrogen, Nitrate	GP21174/GN54628	0.10	0.0	mg/l	2.5	2.47	98.8	90-110%
Nitrogen, Nitrite	GP21174/GN54628	0.10	0.0	mg/l	2.5	2.44	97.6	90-110%
Phosphate, Ortho	GP21172/GN54615	0.10	0.0	mg/l	.300	0.31	102.0	83-116%
Phosphorus, Total	GP21188/GN54689	0.10	0.0	mg/l	.300	0.31	103.0	81-118%
Solids, Total Dissolved	GN54691	100	32.0	mg/l				
Specific Conductivity	GN54630	1.0	0.0	umhos/cm				
Sulfate	GP21174/GN54628	2.0	0.0	mg/l	50	50.5	101.0	90-110%

Associated Samples:
Batch GN54630: FA2642-1, FA2642-2
Batch GN54691: FA2642-1, FA2642-2
Batch GN54753: FA2642-1, FA2642-2
Batch GP21172: FA2642-1F, FA2642-2F
Batch GP21174: FA2642-1, FA2642-2
Batch GP21188: FA2642-1, FA2642-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN54753	FA2642-1	mg/l	233	235	0.6	0-20%
Phosphate, Ortho	GP21172/GN54615	FA2642-1F	mg/l	1.6	1.6	0.7	0-26%
Phosphorus, Total	GP21188/GN54689	FA2703-1	mg/l	91.1	91.6	0.6	0-22%
Solids, Total Dissolved	GN54691	FA2642-1	mg/l	1400	720	64.2*(a)	0-5%
Solids, Total Dissolved	GN54691	FA2642-2	mg/l	1390	1400	0.7	0-5%
Specific Conductivity	GN54630	FA2642-1	umhos/cm	1640	1020	0.5	0-10%
pH	GN54629	FA2642-1	su	6.88	6.85	0.4	0-10%

Associated Samples:
Batch GN54629: FA2642-1, FA2642-2
Batch GN54630: FA2642-1, FA2642-2
Batch GN54691: FA2642-1, FA2642-2
Batch GN54753: FA2642-1, FA2642-2
Batch GP21172: FA2642-1F, FA2642-2F
Batch GP21188: FA2642-1, FA2642-2
(*) Outside of QC limits
(a) High RPD due to possible sample non-homogeneity.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN54753	FA2642-1	mg/l	233	250	485	100.4	90-113%
Bromide	GP21174/GN54628	FA2641-1	mg/l	0.0	12.5	11.4	91.2	90-110%
Chloride	GP21174/GN54628	FA2641-1	mg/l	0.87	50	49.6	97.5	90-110%
Fluoride	GP21174/GN54628	FA2641-1	mg/l	0.0	2.5	2.1	84.0N(a)	90-110%
Nitrogen, Nitrate	GP21174/GN54628	FA2641-1	mg/l	1.4	2.5	3.8	96.0	90-110%
Nitrogen, Nitrite	GP21174/GN54628	FA2641-1	mg/l	0.0	2.5	2.4	96.0	90-110%
Phosphate, Ortho	GP21172/GN54615	FA2642-1F	mg/l	1.6	.300	1.9	113.0	83-116%
Phosphorus, Total	GP21188/GN54689	FA2703-1	mg/l	91.1	.300	91.7(a)	180.0(b)	81-118%
Sulfate	GP21174/GN54628	FA2641-1	mg/l	6.7	50	53.7	94.0	90-110%

Associated Samples:
Batch GN54753: FA2642-1, FA2642-2
Batch GP21172: FA2642-1F, FA2642-2F
Batch GP21174: FA2642-1, FA2642-2
Batch GP21188: FA2642-1, FA2642-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Bromide	GP21174/GN54628	FA2641-1	mg/l	0.0	12.5	11.4	0.0	
Chloride	GP21174/GN54628	FA2641-1	mg/l	0.87	50	49.6	0.0	
Fluoride	GP21174/GN54628	FA2641-1	mg/l	0.0	2.5	2.1	0.0	
Nitrogen, Nitrate	GP21174/GN54628	FA2641-1	mg/l	1.4	2.5	3.8	0.0	
Nitrogen, Nitrite	GP21174/GN54628	FA2641-1	mg/l	0.0	2.5	2.4	0.0	
Phosphate, Ortho	GP21172/GN54615	FA2642-1F	mg/l	1.6	.300	1.87	1.2	26%
Phosphorus, Total	GP21188/GN54689	FA2703-1	mg/l	91.1	.300	92.7	1.2(a)	22%
Sulfate	GP21174/GN54628	FA2641-1	mg/l	6.7	50	53.4	0.6	

Associated Samples:
Batch GP21172: FA2642-1F, FA2642-2F
Batch GP21174: FA2642-1, FA2642-2
Batch GP21188: FA2642-1, FA2642-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140301.TXT Date Analyzed: 03/14/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54628
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:15	GN54628-CCV1	1		
08:30	GN54628-CCB1	1		
08:46	GP21174-MB1	1		
09:02	GP21174-B1	1		
09:55	ZZZZZZ	1		
10:11	ZZZZZZ	1		
10:27	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:59	ZZZZZZ	2		
11:57	GN54628-CCV2	1		
12:12	GP21174-MB1	1		
12:28	GP21174-B1	1		
13:00	FA2642-1	5		
13:16	FA2642-2	5		
14:30	ZZZZZZ	100		
14:45	ZZZZZZ	5		
15:01	FA2641-1	1		(sample used for QC only; not part of login FA2642)
15:17	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:49	ZZZZZZ	1		
16:05	GN54628-CCV3	1		
16:21	GN54628-CCB2	1		
16:37	ZZZZZZ	1		
17:24	FA2595-7	1		(sample used for QC only; not part of login FA2642)
18:12	FA2642-2	10		
18:28	GN54628-CCV4	1		
18:44	GN54628-CCB3	1		
19:00	GP21174-S1	1		
19:15	GP21174-S2	1		
19:31	GP21174-S3	1		
19:47	GP21174-S4	1		
20:03	GN54628-CCV5	1		
20:19	GN54628-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2642
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313140301.TXT Date Analyzed: 03/14/13 Methods: EPA 300/SW846 9056A
Run ID: GN54628 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54628-CCV1	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54628-CCV1	Chloride	49.3	2.0	0.80	50	98.6	90-110
GN54628-CCV1	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54628-CCV1	Sulfate	48.2	2.0	0.60	50	96.4	90-110
GN54628-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54628-CCB1	Chloride	0.80 U	2.0	0.80			
GN54628-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54628-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54628-CCV2	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54628-CCV2	Chloride	50.3	2.0	0.80	50	100.6	90-110
GN54628-CCV2	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54628-CCV2	Sulfate	48.9	2.0	0.60	50	97.8	90-110
GN54628-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54628-CCV3	Chloride	50.5	2.0	0.80	50	101.0	90-110
GN54628-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54628-CCV3	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN54628-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54628-CCB2	Chloride	0.80 U	2.0	0.80			
GN54628-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54628-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54628-CCV4	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54628-CCV4	Chloride	50.3	2.0	0.80	50	100.6	90-110
GN54628-CCV4	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54628-CCV4	Sulfate	49.9	2.0	0.60	50	99.8	90-110
GN54628-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54628-CCB3	Chloride	0.80 U	2.0	0.80			
GN54628-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54628-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54628-CCV5	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54628-CCV5	Chloride	50.4	2.0	0.80	50	100.8	90-110
GN54628-CCV5	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54628-CCV5	Sulfate	50.0	2.0	0.60	50	100.0	90-110
GN54628-CCB4	Fluoride	0.060 U	0.20	0.060			
GN54628-CCB4	Chloride	0.80 U	2.0	0.80			
GN54628-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54628-CCB4	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

03/29/13

Technical Report for

WSP Environment & Energy

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

36785.01

Accutest Job Number: FA2684

Sampling Date: 03/14/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
brian.kelly@wspgroup.com; tim.huff@wspgroup.com;
isaac.pelz@wspgroup.com; steve.dawson@wspgroup.com
ATTN: Tim Huff

Total number of pages in report: **81**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA2684

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Project No: 36785.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA2684-1	03/14/13	11:05	TP	03/15/13	AQ	Ground Water	A-34-022
FA2684-1F	03/14/13	11:05	TP	03/15/13	AQ	Ground Water	A-34-022

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job No:** FA2684

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date** 3/29/2013 9:17:36 PM

1 Sample was collected on 03/14/2013 and was received at Accutest on 03/15/2013 properly preserved, at 2.6 Deg. C and intact. This Sample received an Accutest job number of FA2684. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP24809

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2760-1DUP, FA2760-1MS, FA2760-1MSD, FA2760-1PS, FA2760-1SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Antimony, Arsenic, Iron, Selenium, Sodium are outside control limits. Spike recovery indicates possible matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Arsenic, Calcium, Iron, Magnesium, Potassium, Selenium, Sodium are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for Duplicate for Antimony are outside control limits for sample MP24809-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Antimony, Arsenic, Calcium, Chromium, Potassium, Sodium are outside control limits for sample MP24809-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP24809-SD1 for Aluminum: Serial dilution indicates possible matrix interference.

MP24809-SD1 for Iron: Serial dilution indicates possible matrix interference.

MP24809-SD1 for Magnesium: Serial dilution indicates possible matrix interference.

FA2684-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA2684-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA2684-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA2684-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA2684-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA2684-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54664

All method blanks for this batch meet method specific criteria.

Sample(s) FA2684-1DUP was used as the QC samples for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA2684-1. Sample analyzed beyond hold time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21189

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2408-3MS, FA2408-3MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

FA2684-1 for Chloride: Dilution required due to matrix interference.

FA2684-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21259

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2798-1MS, FA2798-1MSD were used as the QC samples for Fluoride.

Matrix Spike / Matrix Spike Duplicate Recovery(s) for Fluoride are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21179

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2684-1FDUP, FA2684-1FMS, FA2684-1FMSD were used as the QC samples for Phosphate, Ortho.

GP21179-S1 for Phosphate, Ortho: Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Matrix: AQ **Batch ID:** GP21188

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2703-1DUP, FA2703-1MS, FA2703-1MSD were used as the QC samples for Phosphorus, Total.

GP21188-S1 for Phosphorus, Total: Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method SM 4500H B/SW 9040C

Matrix: AQ **Batch ID:** GN54661

Sample(s) FA2684-1DUP was used as the QC samples for pH.

FA2684-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54786

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2746-3DUP, FA2746-3MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54754

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2702-3DUP was used as the QC samples for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: March 29, 2013

Lovelie Metzgar, QA Officer (signature on file)

Summary of Hits

Job Number: FA2684
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/14/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2684-1	**A-34-022**					
Aluminum		1390	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.243	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		2.97	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		528	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.93	0.050	0.010	mg/l	SW846 6010C
Iron		1540	1.5	0.15	mg/l	SW846 6010C
Magnesium		1020	25	0.37	mg/l	SW846 6010C
Potassium		388	50	1.0	mg/l	SW846 6010C
Sodium		864	200	10	mg/l	SW846 6010C
Chloride [b]		80.4 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		2220	100	30	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		1520	500	700	mg/l	EPA 365.3
Solids, Total Dissolved		25500	2000	200	mg/l	SM19 2540C
Specific Conductivity [c]		14000	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		10300	1000	300	mg/l	EPA 300/SW846 9056A
pH [d]		2.27			su	SM 4500H B/SW 9040C
FA2684-1F	**A-34-022**					
Phosphate, Ortho		1670	1000	190	mg/l	EPA 365.3

(a) Elevated reporting limit(s) due to matrix interference.
(b) Dilution required due to matrix interference.
(c) Sample analyzed beyond hold time.
(d) Field analysis required. Received out of hold time and analyzed by request.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA2684-1	**Date Sampled:**	03/14/13
Matrix:	AQ - Ground Water	**Date Received:**	03/15/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1390	1.0	0.075	mg/l	5	03/19/13	03/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	0.0065 U	0.030	0.0065	mg/l	5	03/19/13	03/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	0.243	0.050	0.013	mg/l	5	03/19/13	03/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	2.97	0.025	0.0025	mg/l	5	03/19/13	03/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium [a]	528	5.0	0.25	mg/l	5	03/19/13	03/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	2.93	0.050	0.010	mg/l	5	03/19/13	03/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	1540	1.5	0.15	mg/l	5	03/19/13	03/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	1020	25	0.37	mg/l	5	03/19/13	03/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	388	50	1.0	mg/l	5	03/19/13	03/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	0.010 U	0.050	0.010	mg/l	5	03/19/13	03/20/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	864	200	10	mg/l	20	03/19/13	03/21/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10612
(2) Instrument QC Batch: MA10615
(3) Prep QC Batch: MP24809

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA2684-1	**Date Sampled:**	03/14/13
Matrix:	AQ - Ground Water	**Date Received:**	03/15/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	03/23/13 13:30	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/23/13 13:30	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	03/23/13	AC	SM19 2320B
Chloride [a]	80.4 J	200	80	mg/l	100	03/15/13 12:57	AA	EPA 300/SW846 9056A
Fluoride	2220	100	30	mg/l	500	03/25/13 18:08	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	03/15/13 12:57	AA	EPA 300/SW846 9056A
Phosphorus, Total	1520	500	700	mg/l	5000	03/18/13 09:55	LE	EPA 365.3
Solids, Total Dissolved	25500	2000	200	mg/l	20	03/21/13	AR	SM19 2540C
Specific Conductivity [b]	14000	1.0	1.0	umhos/cm	1	03/15/13 13:05	KC	EPA 120.1
Sulfate	10300	1000	300	mg/l	500	03/15/13 16:44	AA	EPA 300/SW846 9056A
pH [c]	2.27			su	1	03/15/13 13:35	KC	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample analyzed beyond hold time.
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA2684-1F	**Date Sampled:**	03/14/13
Matrix:	AQ - Ground Water	**Date Received:**	03/15/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	1670	1000	190	mg/l	10000	03/15/13 12:05	LE	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA2684

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: WSP ENV + ENG
Address: 205 W. Park St.
City: JACKSON State: MO Zip: 63755
Project Contact: TIM HUFF E-mail: Tim.Huff@WSPgroup.com
Phone#: 573-217-6759
Sampler(s) Name(s) (Printed):

Project Information

Project Name: AGRIUM
Street:
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

SEE ATTACHED

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	SEE ATTACHED	LAB USE ONLY
1	A-34-022	03/14/13	1105	TP	GW	4		X			X	X				X	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	03/14/13 1230	2	3 RC 03-15-13	1000	4
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2-6

FA2684: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA2684 CLIENT: WSP PROJECT: Agrium

DATE/TIME RECEIVED: 03-15-13 10:00 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8017 3227 8933

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.2
- [ ] CORRECTED TEMPS: 2.6

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE R Willer 0315-13 REVIEWER SIGNATURE/DATE [illegible] 03/15/13

NF 12/10 receipt confirmation 122910.xls

5.1

5

FA2684: Chain of Custody

Page 2 of 3

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

Analyte List #2 (groundwater samples and groundwater sampling equipment blanks)

- total dissolved solids (TDS)
- Total metals - aluminum, antimony, arsenic, cadmium, calcium, chromium, iron, magnesium, potassium, selenium, and sodium
- chloride, fluoride, nitrate as N, and sulfate
- pH
- total phosphorous
- dissolved orthophosphate
- bicarbonate and carbonate alkalinity as $CaCO_3$
- specific conductance

NOTE – If turbidity at the time of sampling is greater than 50 NTU, collect dissolved metals sample and submit to laboratory ON HOLD for the same analyte list as the total metals sample.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:10	MA10608-STD1	1		STDA
08:14	MA10608-STD2	1		STDB
08:17	MA10608-STD3	1		STDC
08:20	MA10608-STD4	1		STDD
08:26	MA10608-HSTD1	1		
08:35	MA10608-ICV1	1		
08:42	MA10608-ICB1	1		
08:46	MA10608-CRIA1	1		
09:05	MA10608-ICSA1	1		
09:12	MA10608-ICSAB1	1		
09:24	MA10608-CCV1	1		
09:32	MA10608-CCB1	1		
09:36	MP24804-MB1	1		
09:40	MP24804-B1	1		
09:44	FA2775-7	1		(sample used for QC only; not part of login FA2684)
09:48	MP24804-D1	1		
09:52	MP24804-SD1	5		
09:56	MP24804-PS1	1		
10:00	MP24804-S1	1		
10:05	MP24804-S2	1		
10:09	ZZZZZZ	1		
10:13	ZZZZZZ	1		
10:17	MA10608-CCV2	1		
10:21	MA10608-CCB2	1		
10:25	ZZZZZZ	1		
10:29	ZZZZZZ	1		
10:33	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:42	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:54	ZZZZZZ	1		
10:58	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:02	ZZZZZZ	1		
11:06	MA10608-CCV3	1		
11:10	MA10608-CCB3	1		
11:14	ZZZZZZ	1		
11:18	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:27	ZZZZZZ	1		
11:31	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:39	ZZZZZZ	1		
11:44	ZZZZZZ	10		
11:48	ZZZZZZ	40		
11:52	ZZZZZZ	2		
11:56	MA10608-CCV4	1		
12:00	MA10608-CCB4	1		
12:04	ZZZZZZ	25		
12:08	ZZZZZZ	2		
12:12	ZZZZZZ	40		
12:16	FA2672-1	10		(sample used for QC only; not part of login FA2684)
12:20	MP24792-D1	10		
12:24	MP24792-S1	10		
12:28	MP24792-S2	10		
12:32	MP24792-PS1	10		
12:37	MP24792-SD1	50		
12:41	FA2672-2	25		(sample used for QC only; not part of login FA2684)
12:45	MA10608-CCV5	1		
12:49	MA10608-CCB5	1		
12:57	ZZZZZZ	40		
13:01	ZZZZZZ	20		
13:05	ZZZZZZ	10		
13:10	ZZZZZZ	2		
13:14	ZZZZZZ	20		
13:18	ZZZZZZ	40		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:22	ZZZZZZ	4		
	13:27	MP24809-MB1	1		
	13:31	MP24809-B1	1		
	13:35	MA10608-CCV6	1		
	13:39	MA10608-CCB6	1		
	14:16	MA10608-CCV7	1		
	14:27	MA10608-CCB7	1		
	14:32	FA2760-1	1		(sample used for QC only; not part of login FA2684)
	14:36	MP24809-D1	1		
	14:40	MP24809-SD1	5		
	14:44	MP24809-PS1	1		
	14:48	MP24809-S1	1		
	14:52	MP24809-S2	1		
---------->	Last reportable sample/prep for job FA2684				
	14:56	ZZZZZZ	1		
	15:00	ZZZZZZ	1		
	15:04	ZZZZZZ	1		
	15:08	ZZZZZZ	1		
	15:12	MA10608-CCV8	1		
	15:16	MA10608-CCB8	1		
	15:20	ZZZZZZ	1		
	15:25	ZZZZZZ	1		
	15:29	ZZZZZZ	1		
	15:33	ZZZZZZ	1		
	15:37	ZZZZZZ	1		
	15:41	ZZZZZZ	1		
	15:45	ZZZZZZ	1		
	15:49	ZZZZZZ	1		
	15:53	ZZZZZZ	1		
	15:57	ZZZZZZ	1		
	16:01	MA10608-CCV9	1		
	16:05	MA10608-CCB9	1		
	16:10	ZZZZZZ	1		
	16:14	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:18	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:31	MP24810-MB1	1		
16:35	MP24810-B1	1		
16:39	FA2658-3	1		(sample used for QC only; not part of login FA2684)
16:44	MP24810-D1	1		
16:48	MP24810-SD1	5		
16:52	MA10608-CCV10	1		
16:56	MA10608-CCB10	1		
17:00	MP24810-PS1	1		
17:04	MP24810-S1	1		
17:08	MP24810-S2	1		
17:13	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:25	ZZZZZZ	1		
17:29	ZZZZZZ	1		
17:33	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:41	MA10608-CCV11	1		
17:45	MA10608-CCB11	1		
17:50	ZZZZZZ	1		
17:54	ZZZZZZ	1		
17:58	ZZZZZZ	1		
18:02	ZZZZZZ	1		
18:06	ZZZZZZ	1		
18:10	ZZZZZZ	1		
18:14	ZZZZZZ	1		
18:18	ZZZZZZ	1		
18:22	ZZZZZZ	1		
18:26	MA10608-CRIA2	1		
18:31	MA10608-CCV12	1		
18:35	MA10608-CCB12	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:39	MA10608-ICSA2	1		
18:43	MA10608-ICSAB2	1		
18:47	MA10608-CCV13	1		
18:51	MA10608-CCB13	1		

----------> Last reportable CCB for job FA2684
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:10	MA10608-STD1	7799	39223	6782	3316
08:14	MA10608-STD2	7752	38418	6854	3109
08:17	MA10608-STD3	7338	36968	6941	2769
08:20	MA10608-STD4	7128	36136	6850	2549
08:26	MA10608-HSTD1	7189	36383	6858	2526
08:35	MA10608-ICV1	7336	37042	6859	2754
08:42	MA10608-ICB1	7951 R	40216 R	6935 R	3339 R
08:46	MA10608-CRIA1	7854	39311	7037	3217
09:05	MA10608-ICSA1	6768	33043	6739	2454
09:12	MA10608-ICSAB1	6679	33069	6621	2370
09:24	MA10608-CCV1	7401	37073	6898	2740
09:32	MA10608-CCB1	7942	39843	6951	3325
09:36	MP24804-MB1	7948	39928	7100	3336
09:40	MP24804-B1	7694	38551	7049	2976
09:44	FA2775-7	7734	37274	7259	2832
09:48	MP24804-D1	7861	37809	7338	2880
09:52	MP24804-SD1	7860	38414	7126	3144
09:56	MP24804-PS1	7635	36659	7184	2809
10:00	MP24804-S1	7636	36880	7151	2711
10:05	MP24804-S2	7703	37349	7147	2720
10:09	ZZZZZZ	7791	39152	7086	3115
10:13	ZZZZZZ	7813	39219	7200	3132
10:17	MA10608-CCV2	7471	37301	6815	2741
10:21	MA10608-CCB2	7985	40064	6946	3333
10:25	ZZZZZZ	8179	40345	7545	2965
10:29	ZZZZZZ	8024	40496	7197	3254
10:33	ZZZZZZ	8965	42288	8469	2673
10:37	ZZZZZZ	9111	43207	8667	2706
10:42	ZZZZZZ	7672	38033	7037	3005
10:46	ZZZZZZ	7564	38128	6966	2962
10:50	ZZZZZZ	7840	39411	7032	3077
10:54	ZZZZZZ	7660	38316	6890	3054
10:58	ZZZZZZ	7646	38917	6919	3117

INTERNAL STANDARD SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:02	ZZZZZZ	7634	38869	6911	3105
11:06	MA10608-CCV3	7496	37594	6839	2769
11:10	MA10608-CCB3	7863	39746	6979	3360
11:14	ZZZZZZ	7718	39360	6944	3250
11:18	ZZZZZZ	7862	39359	7473	2715
11:23	ZZZZZZ	7966	39737	7140	3221
11:27	ZZZZZZ	7758	39022	6994	3186
11:31	ZZZZZZ	7776	39432	6919	3291
11:35	ZZZZZZ	7474	37700	7042	2723
11:39	ZZZZZZ	7649	37599	6995	2816
11:44	ZZZZZZ	7597	38247	6859	3120
11:48	ZZZZZZ	7611	38130	6888	3017
11:52	ZZZZZZ	7499	37712	6739	2942
11:56	MA10608-CCV4	7413	37012	6849	2759
12:00	MA10608-CCB4	7823	39485	6894	3351
12:04	ZZZZZZ	7409	37226	6662	2958
12:08	ZZZZZZ	7407	37226	6785	2887
12:12	ZZZZZZ	7524	37463	6835	2972
12:16	FA2672-1	7412	37500	6834	2940
12:20	MP24792-D1	7417	37313	6765	2933
12:24	MP24792-S1	7529	37738	6858	2927
12:28	MP24792-S2	7435	37168	6757	2912
12:32	MP24792-PS1	7389	37025	6720	2930
12:37	MP24792-SD1	7688	38554	6786	3154
12:41	FA2672-2	7525	37712	6753	2961
12:45	MA10608-CCV5	7398	37291	6820	2752
12:49	MA10608-CCB5	7724	39357	6857	3319
12:57	ZZZZZZ	7583	37943	6817	3006
13:01	ZZZZZZ	7646	38251	6885	3115
13:05	ZZZZZZ	7551	38016	6803	3040
13:10	ZZZZZZ	7349	37306	6717	2876
13:14	ZZZZZZ	7467	37872	6730	2964
13:18	ZZZZZZ	7553	38026	6812	3059

INTERNAL STANDARD SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:22	ZZZZZZ	6163	30757	6365	2221
13:27	MP24809-MB1	7847	40057	6905	3322
13:31	MP24809-B1	7559	37902	6779	2919
13:35	MA10608-CCV6	7318	36877	6673	2734
13:39	MA10608-CCB6	7736	39342	6810	3322
14:16	MA10608-CCV7	7401	37442	6781	2757
14:27	MA10608-CCB7	7807	39697	6885	3342
14:32	FA2760-1	9760	49452	8791	3121
14:36	MP24809-D1	9650	48903	8542	3060
14:40	MP24809-SD1	8286	42027	7218	3235
14:44	MP24809-PS1	9631	48422	8698 !	3016
14:48	MP24809-S1	9301	47450	8550	2869
14:52	MP24809-S2	9372	47695	8594	2868
14:56	ZZZZZZ	10344 !	52239 !	9226 !	3063
15:00	ZZZZZZ	10055 !	51016 !	9238 !	3000
15:04	ZZZZZZ	8166	41595	7301	3227
15:08	ZZZZZZ	10870 !	55565 !	9737 !	3056
15:12	MA10608-CCV8	7391	37588	6793	2761
15:16	MA10608-CCB8	7699	39410	6827	3322
15:20	ZZZZZZ	8628	43951	7833	3059
15:25	ZZZZZZ	10604 !	53817 !	9584 !	2996
15:29	ZZZZZZ	8313	42345	7467	3158
15:33	ZZZZZZ	11075 !	56737 !	10014 !	3129
15:37	ZZZZZZ	10902 !	55282 !	9779 !	3038
15:41	ZZZZZZ	8712	44271	7686	3169
15:45	ZZZZZZ	11794 !	60128 !	10515 !	3131
15:49	ZZZZZZ	7585	38690	6849	3128
15:53	ZZZZZZ	7934	40632	7126	3092
15:57	ZZZZZZ	10642 !	54802 !	9642 !	3064
16:01	MA10608-CCV9	7338	37421	6748	2756
16:05	MA10608-CCB9	7712	39570	6769	3326
16:10	ZZZZZZ	7274	37337	6735	2888
16:14	ZZZZZZ	7189	36681	6751	2784

INTERNAL STANDARD SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:18	ZZZZZZ	7626	38862	6888	3158
16:27	ZZZZZZ	7213	36295	6666	2726
16:31	MP24810-MB1	7867	40334	6841	3347
16:35	MP24810-B1	7534	38142	6850	2965
16:39	FA2658-3	7251	37155	6792	2870
16:44	MP24810-D1	7250	36883	6621	2833
16:48	MP24810-SD1	7601	38677	6738	3121
16:52	MA10608-CCV10	7227	36502	6626	2715
16:56	MA10608-CCB10	7657	38947	6705	3307
17:00	MP24810-PS1	7328	37324	6721	2835
17:04	MP24810-S1	7249	36617	6683	2713
17:08	MP24810-S2	7217	36479	6705	2720
17:13	ZZZZZZ	7277	37336	6702	2898
17:17	ZZZZZZ	7268	37375	6634	2861
17:21	ZZZZZZ	7299	37367	6628	2868
17:25	ZZZZZZ	7444	38123	6757	3029
17:29	ZZZZZZ	7348	37767	6711	3017
17:33	ZZZZZZ	7315	37975	6650	2968
17:37	ZZZZZZ	7478	38395	6667	3047
17:41	MA10608-CCV11	7340	37415	6661	2762
17:45	MA10608-CCB11	7690	39500	6762	3330
17:50	ZZZZZZ	7453	38016	6661	3018
17:54	ZZZZZZ	7424	38278	6578	3030
17:58	ZZZZZZ	7424	37998	6727	3019
18:02	ZZZZZZ	7365	37845	6735	3025
18:06	ZZZZZZ	7343	37511	6565	2973
18:10	ZZZZZZ	7432	38207	6625	3019
18:14	ZZZZZZ	7314	37715	6593	2968
18:18	ZZZZZZ	7364	37806	6727	3006
18:22	ZZZZZZ	7268	37438	6571	3004
18:26	MA10608-CRIA2	7584	38891	6610	3183
18:31	MA10608-CCV12	7251	36944	6523	2726
18:35	MA10608-CCB12	7602	38911	6531	3291

INTERNAL STANDARD SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10608
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:39	MA10608-ICSA2	6577	32644	6367	2429
18:43	MA10608-ICSAB2	6526	32662	6325	2379
18:47	MA10608-CCV13	7229	36916	6491	2753
18:51	MA10608-CCB13	7609	38794	6477	3311

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10608 Units: ug/l

Time:			08:42		09:32		10:21		11:10	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-2.3	<200	12.8	<200	4.3	<200	1.1	<200
Antimony	6.0	1.3	0.40	<6.0	-1.6	<6.0	-1.4	<6.0	-2.5	<6.0
Arsenic	10	1.6	-0.20	<10	0.0	<10	0.70	<10	0.0	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.10	<5.0	0.0	<5.0
Calcium	1000	50	0.50	<1000	6.3	<1000	4.0	<1000	5.4	<1000
Chromium	10	1.8	0.10	<10	0.10	<10	0.0	<10	0.20	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	0.20	<300	6.0	<300	10.8	<300	8.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-0.60	<5000	-2.7	<5000	14.4	<5000	-2.3	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	21.4	<10000	-9.3	<10000	9.6	<10000	1.5	<10000
Selenium	10	2	0.20	<10	0.20	<10	-0.10	<10	0.40	<10
Silver	10	.5	anr							
Sodium	10000	500	34.0	<10000	41.5	<10000	22.6	<10000	30.5	<10000
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10608 Units: ug/l

Time:			12:00		12:49		13:39		14:27	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	9.2	<200	8.4	<200	3.2	<200	-6.5	<200
Antimony	6.0	1.3	-1.3	<6.0	-1.6	<6.0	-1.4	<6.0	0.70	<6.0
Arsenic	10	1.6	-0.20	<10	0.10	<10	-0.30	<10	0.40	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.0	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	3.3	<1000	4.8	<1000	1.4	<1000	9.5	<1000
Chromium	10	1.8	0.20	<10	0.10	<10	-0.20	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	2.2	<300	5.6	<300	4.2	<300	8.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	0.0	<5000	8.9	<5000	7.9	<5000	-2.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	60.7	<10000	18.7	<10000	29.0	<10000	17.6	<10000
Selenium	10	2	0.10	<10	1.0	<10	0.20	<10	1.2	<10
Silver	10	.5	anr							
Sodium	10000	500	104	<10000	65.6	<10000	232	<10000	-76	<10000
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10608 Units: ug/l

Time: / Sample ID:			15:16 CCB8		16:05 CCB9		16:56 CCB10		17:45 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	7.6	<200	8.0	<200	4.9	<200	-2.5	<200
Antimony	6.0	1.3	1.3	<6.0	0.30	<6.0	0.90	<6.0	1.1	<6.0
Arsenic	10	1.6	0.0	<10	0.70	<10	0.10	<10	0.70	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	22.6	<1000	23.4	<1000	26.5	<1000	21.8	<1000
Chromium	10	1.8	0.40	<10	0.60	<10	0.80	<10	0.60	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	16.2	<300	19.2	<300	20.5	<300	15.0	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-11	<5000	2.1	<5000	3.9	<5000	-10	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	2.8	<10000	-15	<10000	47.5	<10000	28.0	<10000
Selenium	10	2	0.10	<10	0.70	<10	1.0	<10	0.0	<10
Silver	10	.5	anr							
Sodium	10000	500	-100	<10000	-110	<10000	-61	<10000	-87	<10000
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10608 Units: ug/l

Time:			18:35		18:51	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	-1.9	<200	15.9	<200
Antimony	6.0	1.3	1.6	<6.0	1.4	<6.0
Arsenic	10	1.6	0.40	<10	0.30	<10
Barium	200	1	anr			
Beryllium	4.0	.5				
Cadmium	5.0	.5	0.20	<5.0	0.0	<5.0
Calcium	1000	50	20.1	<1000	26.5	<1000
Chromium	10	1.8	0.40	<10	0.20	<10
Cobalt	50	.5				
Copper	25	1				
Iron	300	29	14.0	<300	18.4	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	5.5	<5000	4.1	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5				
Potassium	10000	200	43.7	<10000	42.0	<10000
Selenium	10	2	0.80	<10	0.90	<10
Silver	10	.5	anr			
Sodium	10000	500	-110	<10000	-98	<10000
Strontium	10	.5				
Thallium	10	1.3				
Tin	50	.7				
Titanium	10	.9				
Vanadium	50	.5				
Zinc	20	3				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10608 Units: ug/l

Time:		08:35			09:24			10:17	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41200	103.0	40000	42400	106.0	40000	42200	105.5
Antimony	2000	2040	102.0	2000	2060	103.0	2000	2030	101.5
Arsenic	2000	2020	101.0	2000	2070	103.5	2000	2040	102.0
Barium	anr								
Beryllium									
Cadmium	2000	2060	103.0	2000	2110	105.5	2000	2090	104.5
Calcium	40000	41800	104.5	40000	42400	106.0	40000	42100	105.3
Chromium	2000	2070	103.5	2000	2120	106.0	2000	2110	105.5
Cobalt									
Copper									
Iron	40000	41200	103.0	40000	41700	104.3	40000	41500	103.8
Lead	anr								
Magnesium	40000	39600	99.0	40000	41900	104.8	40000	41700	104.3
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	40800	102.0	40000	41900	104.8	40000	41700	104.3
Selenium	2000	2080	104.0	2000	2070	103.5	2000	2040	102.0
Silver	anr								
Sodium	40000	41300	103.3	40000	42500	106.3	40000	42500	106.3
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10608 Units: ug/l

Time:		11:06			11:56			12:45	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41600	104.0	40000	42100	105.3	40000	42000	105.0
Antimony	2000	2040	102.0	2000	2070	103.5	2000	2080	104.0
Arsenic	2000	2050	102.5	2000	2070	103.5	2000	2080	104.0
Barium	anr								
Beryllium									
Cadmium	2000	2080	104.0	2000	2100	105.0	2000	2110	105.5
Calcium	40000	41500	103.8	40000	41900	104.8	40000	41700	104.3
Chromium	2000	2080	104.0	2000	2110	105.5	2000	2110	105.5
Cobalt									
Copper									
Iron	40000	40900	102.3	40000	41100	102.8	40000	41100	102.8
Lead	anr								
Magnesium	40000	41100	102.8	40000	41300	103.3	40000	41200	103.0
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	41100	102.8	40000	41900	104.8	40000	41800	104.5
Selenium	2000	2050	102.5	2000	2080	104.0	2000	2090	104.5
Silver	anr								
Sodium	40000	41900	104.8	40000	42400	106.0	40000	42400	106.0
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10608 Units: ug/l

Time:		13:35			14:16			15:12	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	42300	105.8	40000	41100	102.8	40000	41300	103.3
Antimony	2000	2110	105.5	2000	2060	103.0	2000	2060	103.0
Arsenic	2000	2100	105.0	2000	2060	103.0	2000	2060	103.0
Barium	anr								
Beryllium									
Cadmium	2000	2120	106.0	2000	2080	104.0	2000	2080	104.0
Calcium	40000	41800	104.5	40000	41300	103.3	40000	41400	103.5
Chromium	2000	2120	106.0	2000	2070	103.5	2000	2070	103.5
Cobalt									
Copper									
Iron	40000	41300	103.3	40000	41500	103.8	40000	41200	103.0
Lead	anr								
Magnesium	40000	41400	103.5	40000	41400	103.5	40000	41200	103.0
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	42500	106.3	40000	41200	103.0	40000	41000	102.5
Selenium	2000	2110	105.5	2000	2060	103.0	2000	2070	103.5
Silver	anr								
Sodium	40000	43000	107.5	40000	41300	103.3	40000	41400	103.5
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10608 Units: ug/l

Time:		16:01			16:52			17:41	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41500	103.8	40000	42400	106.0	40000	41400	103.5
Antimony	2000	2090	104.5	2000	2120	106.0	2000	2090	104.5
Arsenic	2000	2080	104.0	2000	2120	106.0	2000	2080	104.0
Barium	anr								
Beryllium									
Cadmium	2000	2090	104.5	2000	2130	106.5	2000	2100	105.0
Calcium	40000	41500	103.8	40000	42300	105.8	40000	41200	103.0
Chromium	2000	2070	103.5	2000	2140	107.0	2000	2080	104.0
Cobalt									
Copper									
Iron	40000	41600	104.0	40000	41900	104.8	40000	41200	103.0
Lead	anr								
Magnesium	40000	41300	103.3	40000	42000	105.0	40000	41000	102.5
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	41400	103.5	40000	42200	105.5	40000	41600	104.0
Selenium	2000	2090	104.5	2000	2130	106.5	2000	2090	104.5
Silver	anr								
Sodium	40000	41700	104.3	40000	42500	106.3	40000	41700	104.3
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10608 Units: ug/l

Time:		18:31			18:47	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41500	103.8	40000	41000	102.5
Antimony	2000	2090	104.5	2000	2100	105.0
Arsenic	2000	2080	104.0	2000	2080	104.0
Barium	anr					
Beryllium						
Cadmium	2000	2100	105.0	2000	2080	104.0
Calcium	40000	41300	103.3	40000	40700	101.8
Chromium	2000	2070	103.5	2000	2050	102.5
Cobalt						
Copper						
Iron	40000	41400	103.5	40000	41200	103.0
Lead	anr					
Magnesium	40000	41200	103.0	40000	40900	102.3
Manganese	anr					
Molybdenum						
Nickel						
Potassium	40000	41900	104.8	40000	41800	104.5
Selenium	2000	2080	104.0	2000	2090	104.5
Silver	anr					
Sodium	40000	42000	105.0	40000	41400	103.5
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10608 Units: ug/l

Time:		08:26	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79100	98.9
Antimony	4000	3880	97.0
Arsenic	4000	3900	97.5
Barium	anr		
Beryllium			
Cadmium	4000	3920	98.0
Calcium	80000	78900	98.6
Chromium	4000	3920	98.0
Cobalt			
Copper			
Iron	80000	77600	97.0
Lead	anr		
Magnesium	80000	78000	97.5
Manganese	anr		
Molybdenum			
Nickel			
Potassium	80000	78100	97.6
Selenium	4000	3870	96.8
Silver	anr		
Sodium	80000	79200	99.0
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10608 Units: ug/l

Time:			08:46		18:26	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	213	106.5	196	98.0
Antimony	10	5.0	4.0	80.0	6.3	126.0
Arsenic	20	10	9.5	95.0	10.4	104.0
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	5.2	104.0	5.2	104.0
Calcium	2000	1000	1050	105.0	1040	104.0
Chromium	20	10	10.3	103.0	10.2	102.0
Cobalt	100	50				
Copper	50	25				
Iron	600	300	312	104.0	322	107.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5130	102.6	5090	101.8
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000	9950	99.5	10200	102.0
Selenium	20	10	9.5	95.0	10.2	102.0
Silver	20	10	anr			
Sodium	20000	10000	10300	103.0	10100	101.0
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB031913M1.ICP Date Analyzed: 03/19/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10608 Units: ug/l

Time:			09:05		09:12		18:39		18:43	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	502000	100.4	504000	100.8	496000	99.2	494000	98.8
Antimony		1000	-0.80		985	98.5	0.0		1010	101.0
Arsenic		1000	0.0		996	99.6	-0.50		1010	101.0
Barium		500	-0.50		516	103.2	-0.20		511	102.2
Beryllium		500	-0.20		491	98.2	0.0		494	98.8
Cadmium		1000	-0.20		937	93.7	-0.30		931	93.1
Calcium	500000	500000	480000	96.0	481000	96.2	471000	94.2	467000	93.4
Chromium		500	-0.30		481	96.2	0.10		474	94.8
Cobalt		500	0.30		462	92.4	0.40		459	91.8
Copper		500	-0.90		514	102.8	-0.50		520	104.0
Iron	200000	200000	192000	96.0	194000	97.0	192000	96.0	193000	96.5
Lead		1000	0.10		934	93.4	0.50		889	88.9
Magnesium	500000	500000	473000	94.6	471000	94.2	467000	93.4	464000	92.8
Manganese		500	-0.60		495	99.0	-0.50		500	100.0
Molybdenum		1000	0.10		908	90.8	0.10		942	94.2
Nickel		1000	-0.50		914	91.4	-1.1		938	93.8
Potassium			49.2		70.8		112		91.2	
Selenium		1000	0.0		979	97.9	3.1		996	99.6
Silver		1000	0.0		997	99.7	0.50		997	99.7
Sodium			115		136		28.1		27.4	
Strontium		1000	12.8		999	99.9	13.6		1030	103.0
Thallium		1000	0.0		942	94.2	-0.70		949	94.9
Tin		1000	-0.70		865	86.5	-0.90		872	87.2
Titanium		1000	-2.4		992	99.2	-2.3		1010	101.0
Vanadium		500	-0.10		480	96.0	0.60		479	95.8
Zinc		1000	1.1		943	94.3	1.6		933	93.3

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032013M1.ICP Date Analyzed: 03/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10612
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:02	MA10612-STD1	1		STDA
08:07	MA10612-STD2	1		STDB
08:16	MA10612-STD3	1		STDC
08:20	MA10612-STD4	1		STDD
08:24	MA10612-HSTD1	1		
08:34	MA10612-ICV1	1		
08:41	MA10612-ICB1	1		
08:45	MA10612-CRIA1	1		
08:54	MA10612-ICSA1	1		
09:03	MA10612-ICSAB1	1		
09:15	MA10612-CCV1	1		
09:23	MA10612-CCB1	1		
09:34	MP24811-MB1	1		
09:38	MP24811-B1	1		
09:42	FA2794-15F	1		(sample used for QC only; not part of login FA2684)
09:47	MP24811-D1	1		
09:51	MP24811-SD1	5		
09:55	MP24811-PS1	1		
09:59	MP24811-S1	1		
10:03	MP24811-S2	1		
10:08	ZZZZZZ	1		
10:12	MA10612-CCV2	1		
10:16	MA10612-CCB2	1		
10:20	ZZZZZZ	1		
10:24	ZZZZZZ	1		
10:28	ZZZZZZ	1		
10:33	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:41	ZZZZZZ	1		
10:45	ZZZZZZ	1		
10:50	ZZZZZZ	1		
10:54	ZZZZZZ	1		
10:58	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032013M1.ICP Date Analyzed: 03/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10612
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:02	MA10612-CCV3	1		
11:06	MA10612-CCB3	1		
11:11	ZZZZZZ	1		
11:15	ZZZZZZ	1		
11:19	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:40	ZZZZZZ	1		
11:45	MP24811-MB2A	1		
11:49	ZZZZZZ	100		
11:53	MA10612-CCV4	1		
11:57	MA10612-CCB4	1		
12:01	ZZZZZZ	2		
12:06	ZZZZZZ	2		
12:10	ZZZZZZ	2		
12:14	ZZZZZZ	2		
12:18	ZZZZZZ	2		
12:22	ZZZZZZ	2		
12:26	ZZZZZZ	2		
12:30	FA2684-1	5		
---------->	Last reportable sample/prep for job FA2684			
12:35	ZZZZZZ	4		
12:39	ZZZZZZ	2		
12:43	MA10612-CCV5	1		
12:47	MA10612-CCB5	1		
12:52	ZZZZZZ	4		
12:56	ZZZZZZ	2		
13:00	ZZZZZZ	4		
13:04	ZZZZZZ	4		
13:08	MA10612-CRIA2	1		
13:12	MA10612-ICSA2	1		
13:17	MA10612-ICSAB2	1		
13:21	MA10612-CCV6	1		
13:25	MA10612-CCB6	1		
---------->	Last reportable CCB for job FA2684			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032013M1.ICP Date Analyzed: 03/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10612
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:02	MA10612-STD1	5133	41049	8608	2463
08:07	MA10612-STD2	4939	40099	8543	2317
08:16	MA10612-STD3	4805	39133	8520	2116
08:20	MA10612-STD4	4612	37666	8439	1935
08:24	MA10612-HSTD1	4558	37301	8348	1923
08:34	MA10612-ICV1	4752	38775	8469	2103
08:41	MA10612-ICB1	4937 R	40888 R	8513 R	2417 R
08:45	MA10612-CRIA1	4851	39850	8371	2352
08:54	MA10612-ICSA1	4390	34741	8280	1877
09:03	MA10612-ICSAB1	4271	34525	8138	1826
09:15	MA10612-CCV1	4670	38869	8514	2098
09:23	MA10612-CCB1	4949	42158	8709	2472
09:34	MP24811-MB1	4880	41754	8648	2446
09:38	MP24811-B1	4875	40276	8637	2250
09:42	FA2794-15F	4891	40507	8726	2342
09:47	MP24811-D1	4822	40115	8575	2327
09:51	MP24811-SD1	4881	41226	8578	2428
09:55	MP24811-PS1	4884	40590	8727	2304
09:59	MP24811-S1	4838	39633	8721	2194
10:03	MP24811-S2	4776	39620	8670	2190
10:08	ZZZZZZ	4881	41483	8745	2411
10:12	MA10612-CCV2	4742	39424	8509	2116
10:16	MA10612-CCB2	4979	41410	8682	2456
10:20	ZZZZZZ	4884	40985	8705	2396
10:24	ZZZZZZ	4881	42188	8947	2407
10:28	ZZZZZZ	4921	41716	8842	2404
10:33	ZZZZZZ	4841	40607	8700	2383
10:37	ZZZZZZ	4838	41560	8694	2424
10:41	ZZZZZZ	4959	42238	8827	2455
10:45	ZZZZZZ	5002	42089	8841	2424
10:50	ZZZZZZ	4967	41696	8750	2444
10:54	ZZZZZZ	4922	41922	8813	2439
10:58	ZZZZZZ	4938	41781	8768	2428

INTERNAL STANDARD SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032013M1.ICP Date Analyzed: 03/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10612
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:02	MA10612-CCV3	4711	39105	8444	2109
11:06	MA10612-CCB3	4867	41244	8508	2451
11:11	ZZZZZZ	4979	42445	8988	2425
11:15	ZZZZZZ	5071	42387	8796	2478
11:19	ZZZZZZ	4893	40258	8641	2349
11:23	ZZZZZZ	4992	41990	8749	2457
11:28	ZZZZZZ	5024	41967	8744	2444
11:40	ZZZZZZ	4790	39426	8522	2275
11:45	MP24811-MB2A	5049	42305	8688	2493
11:49	ZZZZZZ	4905	39430	8457	2297
11:53	MA10612-CCV4	4908	39233	8576	2140
11:57	MA10612-CCB4	5033	41005	8510	2456
12:01	ZZZZZZ	5855	48081	10015	2390
12:06	ZZZZZZ	5831	47560	10048	2359
12:10	ZZZZZZ	6171	49944	10534	2393
12:14	ZZZZZZ	6051	48358	10242	2336
12:18	ZZZZZZ	6230	50821	10560	2416
12:22	ZZZZZZ	6212	50649	10518	2396
12:26	ZZZZZZ	6514	51998	10909	2410
12:30	FA2684-1	5637	43377	10010	1966
12:35	ZZZZZZ	5983	46754	10291	2270
12:39	ZZZZZZ	4998	39567	8767	2115
12:43	MA10612-CCV5	4932	38718	8349	2120
12:47	MA10612-CCB5	5115	40660	8460	2454
12:52	ZZZZZZ	4871	38870	8417	2163
12:56	ZZZZZZ	6297	49834	10492	2382
13:00	ZZZZZZ	6221	47186	10430	2280
13:04	ZZZZZZ	5332	40866	8919	2286
13:08	MA10612-CRIA2	5058	40276	8377	2401
13:12	MA10612-ICSA2	4495	34305	8059	1880
13:17	MA10612-ICSAB2	4579	34624	8091	1870
13:21	MA10612-CCV6	4921	37983	8183	2100
13:25	MA10612-CCB6	5124	40469	8335	2453

R = Reference for ISTD limits. ! = Outside limits.

INTERNAL STANDARD SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032013M1.ICP Date Analyzed: 03/20/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10612
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032013M1.ICP Date Analyzed: 03/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10612 Units: ug/l

Time:			08:41		09:23		10:16		11:06	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-5.6	<200	-5.6	<200	-7.9	<200	-1.2	<200
Antimony	6.0	1.3	-0.20	<6.0	-2.2	<6.0	-1.4	<6.0	-1.7	<6.0
Arsenic	10	1.6	-0.70	<10	-0.30	<10	-0.20	<10	-0.10	<10
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	0.0	<5.0	0.10	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	-0.20	<1000	11.5	<1000	1.0	<1000	4.5	<1000
Chromium	10	1.8	0.0	<10	-0.10	<10	-0.10	<10	0.0	<10
Cobalt	50	.5								
Copper	25	1								
Iron	300	29	-1.1	<300	3.0	<300	3.0	<300	4.9	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	3.6	<5000	17.4	<5000	8.3	<5000	16.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5								
Potassium	10000	200	25.7	<10000	21.1	<10000	38.1	<10000	34.8	<10000
Selenium	10	2	-0.40	<10	0.80	<10	0.30	<10	0.30	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3								
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032013M1.ICP Date Analyzed: 03/20/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10612 Units: ug/l

Time:			11:57		12:47		13:25	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	15	-3.1	<200	-5.4	<200	-3.3	<200
Antimony	6.0	1.3	-1.8	<6.0	-1.7	<6.0	-1.7	<6.0
Arsenic	10	1.6	-0.20	<10	-0.40	<10	-0.60	<10
Barium	200	1	anr					
Beryllium	4.0	.5						
Cadmium	5.0	.5	0.10	<5.0	0.10	<5.0	0.0	<5.0
Calcium	1000	50	1.8	<1000	3.5	<1000	10.9	<1000
Chromium	10	1.8	-0.10	<10	0.0	<10	-0.30	<10
Cobalt	50	.5						
Copper	25	1						
Iron	300	29	5.0	<300	1.1	<300	6.3	<300
Lead	5.0	1.1	anr					
Magnesium	5000	74	-0.80	<5000	6.9	<5000	15.1	<5000
Manganese	15	.7	anr					
Molybdenum	50	.6						
Nickel	40	.5						
Potassium	10000	200	20.8	<10000	39.3	<10000	20.5	<10000
Selenium	10	2	-1.5	<10	-1.0	<10	0.40	<10
Silver	10	.5	anr					
Sodium	10000	500	anr					
Strontium	10	.5						
Thallium	10	1.3						
Tin	50	.7						
Titanium	10	.9						
Vanadium	50	.5						
Zinc	20	3	anr					

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032013M1.ICP Date Analyzed: 03/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10612 Units: ug/l

Time:		08:34			09:15			10:12	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41100	102.8	40000	40000	100.0	40000	40100	100.3
Antimony	2000	2060	103.0	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	2030	101.5	2000	2040	102.0	2000	2030	101.5
Barium	anr								
Beryllium									
Cadmium	2000	2090	104.5	2000	2110	105.5	2000	2080	104.0
Calcium	40000	41800	104.5	40000	40300	100.8	40000	40300	100.8
Chromium	2000	2090	104.5	2000	2050	102.5	2000	2030	101.5
Cobalt									
Copper									
Iron	40000	40800	102.0	40000	40200	100.5	40000	40000	100.0
Lead	anr								
Magnesium	40000	39400	98.5	40000	39600	99.0	40000	39800	99.5
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	40800	102.0	40000	39400	98.5	40000	39600	99.0
Selenium	2000	2100	105.0	2000	2040	102.0	2000	2030	101.5
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032013M1.ICP Date Analyzed: 03/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10612 Units: ug/l

Time:		11:02			11:53			12:43	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	39800	99.5	40000	40100	100.3
Antimony	2000	2030	101.5	2000	1990	99.5	2000	1990	99.5
Arsenic	2000	2040	102.0	2000	1980	99.0	2000	1970	98.5
Barium	anr								
Beryllium									
Cadmium	2000	2110	105.5	2000	1980	99.0	2000	1950	97.5
Calcium	40000	40500	101.3	40000	39900	99.8	40000	40300	100.8
Chromium	2000	2050	102.5	2000	2010	100.5	2000	2020	101.0
Cobalt									
Copper									
Iron	40000	40500	101.3	40000	41000	102.5	40000	42100	105.3
Lead	anr								
Magnesium	40000	40100	100.3	40000	40000	100.0	40000	40900	102.3
Manganese	anr								
Molybdenum									
Nickel									
Potassium	40000	39900	99.8	40000	40600	101.5	40000	41200	103.0
Selenium	2000	2040	102.0	2000	1990	99.5	2000	1990	99.5
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032013M1.ICP Date Analyzed: 03/20/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10612 Units: ug/l

Time:		13:21	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Aluminum	40000	40200	100.5
Antimony	2000	1990	99.5
Arsenic	2000	1970	98.5
Barium	anr		
Beryllium			
Cadmium	2000	1940	97.0
Calcium	40000	40400	101.0
Chromium	2000	2030	101.5
Cobalt			
Copper			
Iron	40000	42900	107.3
Lead	anr		
Magnesium	40000	41400	103.5
Manganese	anr		
Molybdenum			
Nickel			
Potassium	40000	42000	105.0
Selenium	2000	1990	99.5
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032013M1.ICP Date Analyzed: 03/20/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10612 Units: ug/l

Time:		08:24	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80900	101.1
Antimony	4000	4020	100.5
Arsenic	4000	4030	100.8
Barium	anr		
Beryllium			
Cadmium	4000	4020	100.5
Calcium	80000	80400	100.5
Chromium	4000	4010	100.3
Cobalt			
Copper			
Iron	80000	79600	99.5
Lead	anr		
Magnesium	80000	80500	100.6
Manganese	anr		
Molybdenum			
Nickel			
Potassium	80000	80700	100.9
Selenium	4000	4010	100.3
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032013M1.ICP Date Analyzed: 03/20/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10612 Units: ug/l

Time:			08:45		13:08	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	203	101.5	210	105.0
Antimony	10	5.0	4.6	92.0	2.9	58.0*(a)
Arsenic	20	10	10.2	102.0	9.6	96.0
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	5.5	110.0	5.1	102.0
Calcium	2000	1000	1080	108.0	1060	106.0
Chromium	20	10	10.9	109.0	10.4	104.0
Cobalt	100	50				
Copper	50	25				
Iron	600	300	319	106.3	344	114.7
Lead	10	5.0	anr			
Magnesium	10000	5000	5230	104.6	5250	105.0
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000	10300	103.0	10500	105.0
Selenium	20	10	9.1	91.0	10.1	101.0
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible instrument baseline drift.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032013M1.ICP Date Analyzed: 03/20/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10612 Units: ug/l

Time:			08:54		09:03		13:12		13:17	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	505000	101.0	512000	102.4	502000	100.4	504000	100.8
Antimony		1000	-0.10		1020	102.0	-0.50		990	99.0
Arsenic		1000	0.0		1020	102.0	0.30		976	97.6
Barium		500	-0.50		507	101.4	-0.30		504	100.8
Beryllium		500	-0.30		480	96.0	-0.30		502	100.4
Cadmium		1000	0.0		968	96.8	-1.1		872	87.2
Calcium	500000	500000	480000	96.0	480000	96.0	473000	94.6	474000	94.8
Chromium		500	-0.20		487	97.4	-0.10		471	94.2
Cobalt		500	0.50		477	95.4	0.50		433	86.6
Copper		500	0.0		510	102.0	0.80		531	106.2
Iron	200000	200000	188000	94.0	188000	94.0	191000	95.5	195000	97.5
Lead		1000	-0.10		906	90.6	0.10		939	93.9
Magnesium	500000	500000	488000	97.6	484000	96.8	496000	99.2	492000	98.4
Manganese		500	0.10		489	97.8	-0.10		489	97.8
Molybdenum		1000	-0.40		909	90.9	-0.50		898	89.8
Nickel		1000	-0.40		921	92.1	0.0		893	89.3
Potassium			17.1		47.6		49.1		47.3	
Selenium		1000	0.0		1000	100.0	-1.7		967	96.7
Silver		1000	0.0		1050	105.0	0.20		1050	105.0
Sodium			63.4		73.2		83.9		80.3	
Strontium		1000	12.2		963	96.3	12.7		1020	102.0
Thallium		1000	-0.10		921	92.1	0.40		955	95.5
Tin		1000	0.0		888	88.8	-0.20		830	83.0
Titanium		1000	-2.5		964	96.4	-2.5		995	99.5
Vanadium		500	-0.90		478	95.6	-0.80		479	95.8
Zinc		1000	2.6		930	93.0	2.2		923	92.3

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10615
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:08	MA10615-STD1	1		STDA
08:12	MA10615-STD2	1		STDB
08:16	MA10615-STD3	1		STDC
08:19	MA10615-STD4	1		STDD
08:25	MA10615-HSTD1	1		
08:33	MA10615-ICV1	1		
08:38	MA10615-ICB1	1		
08:43	MA10615-CRIA1	1		
08:52	MA10615-ICSA1	1		
08:59	MA10615-ICSAB1	1		
09:07	MA10615-CCV1	1		
09:15	MA10615-CCB1	1		
09:20	MP24817-MB1	1		
09:25	MP24817-B1	1		
09:29	FA2836-3	1		(sample used for QC only; not part of login FA2684)
09:33	MP24817-D1	1		
09:37	MP24817-SD1	5		
09:41	MP24817-PS1	1		
09:45	MP24817-S1	1		
09:49	MP24817-S2	1		
09:57	ZZZZZZ	1		
10:01	MA10615-CCV2	1		
10:05	MA10615-CCB2	1		
10:10	ZZZZZZ	1		
10:14	ZZZZZZ	1		
10:18	ZZZZZZ	1		
10:27	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:39	ZZZZZZ	1		
10:43	ZZZZZZ	1		
10:52	MA10615-CCV3	1		
10:56	MA10615-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10615
Parameters: Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	11:05	ZZZZZZ	1		
	11:09	ZZZZZZ	1		
	11:13	ZZZZZZ	1		
	11:17	ZZZZZZ	1		
	11:22	ZZZZZZ	1		
	11:26	ZZZZZZ	1		
	11:30	ZZZZZZ	20		
	11:34	ZZZZZZ	40		
	11:38	FA2684-1	20		
---------->	Last reportable sample/prep for job FA2684				
	11:43	MA10615-CCV4	1		
	11:47	MA10615-CCB4	1		
	11:51	ZZZZZZ	4		
	11:55	MP24813-MB1	1		
	11:59	MP24813-B1	1		
	12:03	MP24821-MB1	1		
	12:08	MP24821-B1	1		
	12:12	FA2865-1	1		(sample used for QC only; not part of login FA2684)
	12:16	MP24821-D1	1		
	12:20	MP24821-SD1	5		
	12:25	MP24821-PS1	1		
	12:29	MP24821-S1	1		
	12:33	MA10615-CCV5	1		
	12:37	MA10615-CCB5	1		
	12:42	MP24821-S2	1		
	12:46	ZZZZZZ	1		
	12:50	ZZZZZZ	1		
	12:55	ZZZZZZ	4		
	12:59	FA2596-1	20		(sample used for QC only; not part of login FA2684)
	13:03	MP24813-D1	20		
	13:07	MP24813-S1	20		
	13:11	MP24813-S2	20		
	13:15	MP24813-PS1	20		
	13:20	MP24813-SD1	100		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10615
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:24	MA10615-CCV6	1		
13:28	MA10615-CCB6	1		
13:32	ZZZZZZ	4		
13:36	ZZZZZZ	2		
13:41	ZZZZZZ	2		
13:45	ZZZZZZ	5		
13:49	ZZZZZZ	4		
13:54	FA2865-1	2		(sample used for QC only; not part of login FA2684)
13:58	MP24821-D1	2		
14:02	MP24821-S1	2		
14:06	MP24821-S2	2		
14:10	MP24821-PS1	2		
14:15	MA10615-CCV7	1		
14:19	MA10615-CCB7	1		
14:23	MP24821-SD1	10		
14:27	ZZZZZZ	5		
14:32	ZZZZZZ	5		
14:36	MA10615-CRIA2	1		
14:40	MA10615-ICSA2	1		
14:44	MA10615-ICSAB2	1		
14:49	MA10615-CCV8	1		
14:53	MA10615-CCB8	1		

----------> Last reportable CCB for job FA2684
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10615
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:08	MA10615-STD1	5686	38856	9495	2615
08:12	MA10615-STD2	5667	38246	9511	2458
08:16	MA10615-STD3	5443	36544	9401	2212
08:19	MA10615-STD4	5235	35364	9273	2018
08:25	MA10615-HSTD1	5264	35514	9308	2020
08:33	MA10615-ICV1	5488	36593	9445	2202
08:38	MA10615-ICB1	5858 R	39498 R	9691 R	2652 R
08:43	MA10615-CRIA1	5756	38471	9599	2532
08:52	MA10615-ICSA1	5052	32652	9187	1929
08:59	MA10615-ICSAB1	5004	32510	9205	1891
09:07	MA10615-CCV1	5495	36199	9305	2190
09:15	MA10615-CCB1	5769	38639	9570	2610
09:20	MP24817-MB1	5798	39072	9750	2611
09:25	MP24817-B1	5619	37431	9636	2339
09:29	FA2836-3	5485	36687	9591	2301
09:33	MP24817-D1	5501	36686	9594	2293
09:37	MP24817-SD1	5726	38228	9659	2493
09:41	MP24817-PS1	5513	36797	9644	2272
09:45	MP24817-S1	5466	36246	9576	2191
09:49	MP24817-S2	5471	36261	9632	2173
09:57	ZZZZZZ	5745	38202	9535	2475
10:01	MA10615-CCV2	5514	35998	9373	2184
10:05	MA10615-CCB2	5759	38309	9470	2602
10:10	ZZZZZZ	5695	37811	9620	2483
10:14	ZZZZZZ	5691	38064	9673	2480
10:18	ZZZZZZ	5950	39202	10511	2405
10:27	ZZZZZZ	5764	38382	9581	2488
10:31	ZZZZZZ	5749	38578	9562	2469
10:35	ZZZZZZ	5575	36943	9565	2409
10:39	ZZZZZZ	5698	38026	9644	2486
10:43	ZZZZZZ	5954	39239	10122	2408
10:52	MA10615-CCV3	5523	36195	9369	2189
10:56	MA10615-CCB3	5783	38784	9117	2577

INTERNAL STANDARD SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10615
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:05	ZZZZZZ	5800	38573	9610	2552
11:09	ZZZZZZ	5720	37839	9593	2509
11:13	ZZZZZZ	5789	38340	9573	2578
11:17	ZZZZZZ	5748	38458	9677	2539
11:22	ZZZZZZ	5711	38096	9487	2468
11:26	ZZZZZZ	5791	38524	9649	2456
11:30	ZZZZZZ	5803	38412	9477	2608
11:34	ZZZZZZ	5790	38466	9506	2585
11:38	FA2684-1	5815	37565	9903	2271
11:43	MA10615-CCV4	5493	36051	9396	2183
11:47	MA10615-CCB4	5755	38445	9343	2592
11:51	ZZZZZZ	5573	36778	9357	2373
11:55	MP24813-MB1	5777	36768	9538	2606
11:59	MP24813-B1	5593	36847	9468	2327
12:03	MP24821-MB1	5813	39729	9607	2607
12:08	MP24821-B1	5649	37129	9515	2325
12:12	FA2865-1	5572	36155	9592	2081
12:16	MP24821-D1	5741	37426	9726	2219
12:20	MP24821-SD1	5602	36702	9409	2348
12:25	MP24821-PS1	5488	35466	9541	2059
12:29	MP24821-S1	5600	36245	9790	2074
12:33	MA10615-CCV5	5543	36192	9275	2184
12:37	MA10615-CCB5	5864	39027	9361	2610
12:42	MP24821-S2	5574	36890	9898	2101
12:46	ZZZZZZ	5224	33897	9430	1913
12:50	ZZZZZZ	5255	34247	9497	1894
12:55	ZZZZZZ	5552	36526	9443	2369
12:59	FA2596-1	5828	38903	9242	2561
13:03	MP24813-D1	5797	38415	9403	2570
13:07	MP24813-S1	5788	38472	9465	2550
13:11	MP24813-S2	5824	38605	9582	2564
13:15	MP24813-PS1	5836	39119	9600	2580
13:20	MP24813-SD1	5815	38710	9129	2597

INTERNAL STANDARD SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10615
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:24	MA10615-CCV6	5520	36107	9241	2198
13:28	MA10615-CCB6	5755	38265	9348	2623
13:32	ZZZZZZ	5878	38986	9674	2559
13:36	ZZZZZZ	6969	45409	11659	2210
13:41	ZZZZZZ	6541	42876	10877	2153
13:45	ZZZZZZ	6110	40264	10163	2403
13:49	ZZZZZZ	5711	37075	9713	2232
13:54	FA2865-1	5586	36613	9477	2231
13:58	MP24821-D1	5825	38226	9591	2380
14:02	MP24821-S1	5607	36536	9514	2225
14:06	MP24821-S2	5661	36717	9567	2290
14:10	MP24821-PS1	5553	36396	9504	2228
14:15	MA10615-CCV7	5387	35566	9033	2175
14:19	MA10615-CCB7	5735	38811	9146	2590
14:23	MP24821-SD1	5701	37819	9441	2489
14:27	ZZZZZZ	5401	35592	9241	2251
14:32	ZZZZZZ	5433	35920	9370	2236
14:36	MA10615-CRIA2	5669	37378	9197	2512
14:40	MA10615-ICSA2	5007	32049	8809	1935
14:44	MA10615-ICSAB2	4930	31409	8923	1917
14:49	MA10615-CCV8	5421	35652	9167	2201
14:53	MA10615-CCB8	5751	38579	9328	2619

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10615 Units: ug/l

Time:			08:38		09:15		10:05		10:56	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3								
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	8.6	<10000	9.4	<10000	9.1	<10000	40.2	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10615 Units: ug/l

Time:			11:47		12:37		13:28		14:19	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3								
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5								
Cadmium	5.0	.5	anr							
Calcium	1000	50	anr							
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	13.0	<10000	8.5	<10000	-0.70	<10000	4.1	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10615 Units: ug/l

Time:			14:53	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	15	anr	
Antimony	6.0	1.3		
Arsenic	10	1.6	anr	
Barium	200	1	anr	
Beryllium	4.0	.5		
Cadmium	5.0	.5	anr	
Calcium	1000	50	anr	
Chromium	10	1.8	anr	
Cobalt	50	.5		
Copper	25	1	anr	
Iron	300	29	anr	
Lead	5.0	1.1	anr	
Magnesium	5000	74	anr	
Manganese	15	.7	anr	
Molybdenum	50	.6		
Nickel	40	.5	anr	
Potassium	10000	200		
Selenium	10	2	anr	
Silver	10	.5	anr	
Sodium	10000	500	8.7	<10000
Strontium	10	.5		
Thallium	10	1.3	anr	
Tin	50	.7	anr	
Titanium	10	.9		
Vanadium	50	.5		
Zinc	20	3	anr	

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10615 Units: ug/l

Time:		08:33			09:07			10:01	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	41100	102.8	40000	40700	101.8	40000	40800	102.0
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10615 Units: ug/l

Time:		10:52			11:43			12:33	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	40500	101.3	40000	40900	102.3	40000	40800	102.0
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10615 Units: ug/l

Time:		13:24			14:15			14:49	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	41000	102.5	40000	41200	103.0	40000	40600	101.5
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10615 Units: ug/l

Time:		08:25	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium	80000	80200	100.3
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10615 Units: ug/l

Time:			08:43		14:36	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	anr			
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	anr			
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	10400	104.0	10400	104.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB032113M1.ICP Date Analyzed: 03/21/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10615 Units: ug/l

Time:			08:52		08:59		14:40		14:44	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	511000	102.2	503000	100.6	508000	101.6	509000	101.8
Antimony		1000	1.3		989	98.9	-0.90		1010	101.0
Arsenic		1000	1.5		980	98.0	1.1		1000	100.0
Barium		500	-0.40		509	101.8	-0.30		504	100.8
Beryllium		500	-0.20		479	95.8	-0.20		487	97.4
Cadmium		1000	1.0		924	92.4	0.80		932	93.2
Calcium	500000	500000	477000	95.4	472000	94.4	476000	95.2	473000	94.6
Chromium		500	0.40		481	96.2	0.0		497	99.4
Cobalt		500	0.30		457	91.4	0.40		461	92.2
Copper		500	0.50		516	103.2	0.50		538	107.6
Iron	200000	200000	182000	91.0	185000	92.5	183000	91.5	187000	93.5
Lead		1000	-0.10		901	90.1	0.50		911	91.1
Magnesium	500000	500000	483000	96.6	477000	95.4	487000	97.4	482000	96.4
Manganese		500	0.30		483	96.6	0.20		494	98.8
Molybdenum		1000	-0.40		874	87.4	-0.60		909	90.9
Nickel		1000	-0.10		881	88.1	-0.40		911	91.1
Potassium			81.7		23.3		7.0		-15	
Selenium		1000	-1.0		961	96.1	-2.7		993	99.3
Silver		1000	-0.10		1050	105.0	0.0		1070	107.0
Sodium			79.1		70.0		60.9		58.9	
Strontium		1000	11.7		969	96.9	12.0		994	99.4
Thallium		1000	-1.7		924	92.4	0.20		925	92.5
Tin		1000	-0.90		849	84.9	-1.2		866	86.6
Titanium		1000	-2.2		958	95.8	-2.3		992	99.2
Vanadium		500	-0.80		474	94.8	-0.60		495	99.0
Zinc		1000	2.2		883	88.3	2.4		925	92.5

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24809
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/19/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	1.0	<200
Antimony	6.0	1.3	1.3	-2.3	<6.0
Arsenic	10	1.6	2.5	-0.40	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.20	<5.0
Calcium	1000	50	50	67.9	<1000
Chromium	10	1.8	2	-0.10	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	-7.1	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	3.5	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	196	<10000
Selenium	10	2	2	-0.80	<10
Silver	10	.5	.5		
Sodium	10000	500	500	1230	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3		
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1		
Zinc	20	3	5		

Associated samples MP24809: FA2684-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24809
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			03/19/13					03/19/13	
Metal	FA2760-1 Original	DUP	RPD	QC Limits	FA2760-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	11000	11200	1.8	0-20	11000	33600	27000	83.7	80-120
Antimony	1.4	0.0	200.0(a)	0-20	1.4	348	500	69.3N(b)	80-120
Arsenic	3.5	3.3	5.9	0-20	3.5	1500	2000	74.8N(b)	80-120
Barium	anr								
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	41.4	50	82.8	80-120
Calcium	1590	1610	1.3	0-20	1590	22100	25000	82.0	80-120
Chromium	18.5	19.1	3.2	0-20	18.5	185	200	83.3	80-120
Cobalt									
Copper									
Iron	21000	21300	1.4	0-20	21000	40400	26000	74.6N(b)	80-120
Lead	anr								
Magnesium	5690	5820	2.3	0-20	5690	25700	25000	80.0	80-120
Manganese									
Molybdenum									
Nickel									
Potassium	7290	7410	1.6	0-20	7290	27400	25000	80.4	80-120
Selenium	0.0	0.0	NC	0-20	0.0	1500	2000	75.0N(b)	80-120
Silver	anr								
Sodium	9030	9010	0.2	0-20	9030	29000	25000	79.9N(b)	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP24809: FA2684-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24809
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/19/13

Metal	FA2760-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	11000	32500	27000	79.6N(a)	3.3	20
Antimony	1.4	324	500	64.5N(a)	7.1	20
Arsenic	3.5	1420	2000	70.8N(a)	5.5	20
Barium	anr					
Beryllium						
Cadmium	0.0	40.1	50	80.2	3.2	20
Calcium	1590	21500	25000	79.6N(a)	2.8	20
Chromium	18.5	179	200	80.3	3.3	20
Cobalt						
Copper						
Iron	21000	38700	26000	68.1N(a)	4.3	20
Lead	anr					
Magnesium	5690	25000	25000	77.2N(a)	2.8	20
Manganese						
Molybdenum						
Nickel						
Potassium	7290	26700	25000	77.6N(a)	2.6	20
Selenium	0.0	1430	2000	71.5N(a)	4.8	20
Silver	anr					
Sodium	9030	28500	25000	77.9N(a)	1.7	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP24809: FA2684-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24809
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/19/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	27800	27000	103.0	80-120
Antimony	517	500	103.4	80-120
Arsenic	2000	2000	100.0	80-120
Barium	anr			
Beryllium				
Cadmium	52.1	50	104.2	80-120
Calcium	25800	25000	103.2	80-120
Chromium	212	200	106.0	80-120
Cobalt				
Copper				
Iron	26600	26000	102.3	80-120
Lead	anr			
Magnesium	24900	25000	99.6	80-120
Manganese				
Molybdenum				
Nickel				
Potassium	25700	25000	102.8	80-120
Selenium	2040	2000	102.0	80-120
Silver	anr			
Sodium	26500	25000	106.0	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24809: FA2684-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24809
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/19/13

Metal	FA2760-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	11000	14200	28.9*(a)	0-10
Antimony	1.40	0.00	100.0(b)	0-10
Arsenic	3.50	0.00	100.0(b)	0-10
Barium	anr			
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	1590	2390	50.9 (b)	0-10
Chromium	18.5	23.8	28.6 (b)	0-10
Cobalt				
Copper				
Iron	21000	26500	25.8*(a)	0-10
Lead	anr			
Magnesium	5690	7400	30.1*(a)	0-10
Manganese				
Molybdenum				
Nickel				
Potassium	7290	9170	25.8 (b)	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	9030	11400	26.1 (b)	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP24809: FA2684-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24809
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/19/13

Metal	Sample ml	Final ml	FA2760-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	10980	10760.4	13220	0.2	125	2500	98.4	80-120
Antimony	9.8	10	1.4	1.372	98.9	0.2	5	100	97.5	80-120
Arsenic	9.8	10	3.5	3.43	100.2	0.2	5	100	96.8	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	50.7	0.2	2.5	50	101.4	80-120
Calcium	9.8	10	1586	1554.28	7436	0.2	250	5000	117.6	80-120
Chromium	9.8	10	18.5	18.13	69.8	0.2	2.5	50	103.3	80-120
Cobalt										
Copper										
Iron	9.8	10	21020	20599.6	23090	0.2	150	3000	83.0	80-120
Lead										
Magnesium	9.8	10	5689	5575.22	10550	0.2	250	5000	99.5	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	7292	7146.16	16890	0.2	500	10000	97.4	80-120
Selenium	9.8	10	0	0	95.9	0.2	5	100	95.9	80-120
Silver										
Sodium	9.8	10	9029	8848.42	18920	0.2	500	10000	100.7	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24809: FA2684-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN54786	5.0	0.60	mg/l	250	251	100.2	90-113%
Chloride	GP21189/GN54677	2.0	0.0	mg/l	50	49.8	99.6	90-110%
Fluoride	GP21259/GN54814	0.20	0.0	mg/l	2.5	2.65	106.0	90-110%
Nitrogen, Nitrate	GP21189/GN54677	0.10	0.0	mg/l	2.5	2.43	97.2	90-110%
Phosphate, Ortho	GP21179/GN54660	0.10	0.0	mg/l	.300	0.29	95.3	83-116%
Phosphorus, Total	GP21188/GN54689	0.10	0.0	mg/l	.300	0.31	103.0	81-118%
Solids, Total Dissolved	GN54754	100	91.0	mg/l				
Specific Conductivity	GN54664	1.0	0.0	umhos/cm				
Sulfate	GP21189/GN54677	2.0	0.0	mg/l	50	51.1	102.2	90-110%

Associated Samples:
Batch GN54664: FA2684-1
Batch GN54754: FA2684-1
Batch GN54786: FA2684-1
Batch GP21179: FA2684-1F
Batch GP21188: FA2684-1
Batch GP21189: FA2684-1
Batch GP21259: FA2684-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN54786	FA2746-3	mg/l	354	353	0.3	0-20%
Phosphate, Ortho	GP21179/GN54660	FA2684-1F	mg/l	1670	1720	2.6	0-26%
Phosphorus, Total	GP21188/GN54689	FA2703-1	mg/l	91.1	91.6	0.6	0-22%
Solids, Total Dissolved	GN54754	FA2702-3	mg/l	151	155	2.6	0-5%
Specific Conductivity	GN54664	FA2684-1	umhos/cm	14000	14600	4.7	0-10%
pH	GN54661	FA2684-1	su	2.27	2.28	0.4	0-10%

Associated Samples:
Batch GN54661: FA2684-1
Batch GN54664: FA2684-1
Batch GN54754: FA2684-1
Batch GN54786: FA2684-1
Batch GP21179: FA2684-1F
Batch GP21188: FA2684-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN54786	FA2746-3	mg/l	354	250	611	103.0	90-113%
Chloride	GP21189/GN54677	FA2408-3	mg/l	34.6	50	82.7	96.2	90-110%
Fluoride	GP21259/GN54814	FA2798-1	mg/l	0.81	2.5	3.0	87.6N(a)	90-110%
Nitrogen, Nitrate	GP21189/GN54677	FA2408-3	mg/l	0.050 U	2.5	2.3	92.0	90-110%
Phosphate, Ortho	GP21179/GN54660	FA2684-1F	mg/l	1670	.300	1670	0.0(b)	83-116%
Phosphorus, Total	GP21188/GN54689	FA2703-1	mg/l	91.1	.300	91.7(a)	180.0(c)	81-118%
Sulfate	GP21189/GN54677	FA2408-3	mg/l	25.9	50	72.4	93.0	90-110%

Associated Samples:
Batch GN54786: FA2684-1
Batch GP21179: FA2684-1F
Batch GP21188: FA2684-1
Batch GP21189: FA2684-1
Batch GP21259: FA2684-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP21189/GN54677	FA2408-3	mg/l	34.6	50	82.9	0.2	
Fluoride	GP21259/GN54814	FA2798-1	mg/l	0.81	2.5	2.9	3.4(a)	20%
Nitrogen, Nitrate	GP21189/GN54677	FA2408-3	mg/l	0.050 U	2.5	2.3	0.0	
Phosphate, Ortho	GP21179/GN54660	FA2684-1F	mg/l	1670	.300	1670	0.0(b)	26%
Phosphorus, Total	GP21188/GN54689	FA2703-1	mg/l	91.1	.300	92.7	1.2(a)	22%
Sulfate	GP21189/GN54677	FA2408-3	mg/l	25.9	50	72.4	0.0	

Associated Samples:
Batch GP21179: FA2684-1F
Batch GP21188: FA2684-1
Batch GP21189: FA2684-1
Batch GP21259: FA2684-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313150301.TXT Date Analyzed: 03/15/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54677
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:27	GN54677-CCV1	1		
08:43	GN54677-CCB1	1		
08:59	GP21189-MB1	1		
09:15	GP21189-B1	1		
10:02	ZZZZZZ	25		
10:18	ZZZZZZ	50		
10:34	ZZZZZZ	25		
10:50	ZZZZZZ	50		
11:38	GN54677-CCV2	1		
11:54	GN54677-CCB2	1		
12:09	ZZZZZZ	10		
12:25	ZZZZZZ	2		
12:41	ZZZZZZ	5		
12:57	FA2684-1	100		
13:13	ZZZZZZ	1		
13:29	ZZZZZZ	5		
13:45	FA2408-3	1		(sample used for QC only; not part of login FA2684)
14:01	ZZZZZZ	5		
14:17	FA2408-5	1		(sample used for QC only; not part of login FA2684)
14:32	ZZZZZZ	1		
15:09	GN54677-CCV3	1		
15:25	GN54677-CCB3	1		
15:41	ZZZZZZ	1		
15:57	ZZZZZZ	1		
16:13	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:44	FA2684-1	500		
17:00	GP21189-S1	1		
17:16	GP21189-S2	1		
17:32	GP21189-S3	1		
17:48	GP21189-S4	1		
18:04	GN54677-CCV4	1		
18:20	GN54677-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313150301.TXT Date Analyzed: 03/15/13 Methods: EPA 300/SW846 9056A
Run ID: GN54677 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54677-CCV1	Chloride	49.8	2.0	0.80	50	99.6	90-110
GN54677-CCV1	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54677-CCV1	Sulfate	50.6	2.0	0.60	50	101.2	90-110
GN54677-CCB1	Chloride	0.80 U	2.0	0.80			
GN54677-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54677-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54677-CCV2	Chloride	49.8	2.0	0.80	50	99.6	90-110
GN54677-CCV2	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54677-CCV2	Sulfate	50.9	2.0	0.60	50	101.8	90-110
GN54677-CCB2	Chloride	0.80 U	2.0	0.80			
GN54677-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54677-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54677-CCV3	Chloride	49.9	2.0	0.80	50	99.8	90-110
GN54677-CCV3	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54677-CCV3	Sulfate	50.1	2.0	0.60	50	100.2	90-110
GN54677-CCB3	Chloride	0.80 U	2.0	0.80			
GN54677-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54677-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54677-CCV4	Chloride	49.9	2.0	0.80	50	99.8	90-110
GN54677-CCV4	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54677-CCV4	Sulfate	48.5	2.0	0.60	50	97.0	90-110
GN54677-CCB4	Chloride	0.80 U	2.0	0.80			
GN54677-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54677-CCB4	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313250301.TXT Date Analyzed: 03/25/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54814
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:40	GN54814-CCV1	1		
09:56	GP21248-MB1	1		
10:12	GP21248-B1	1		
12:36	GN54814-CCV2	1		
12:52	GN54814-CCB1	1		
13:24	GN54814-CCV3	1		
13:40	GN54814-CCB2	1		
13:57	ZZZZZZ	500		
14:12	ZZZZZZ	500		
14:28	ZZZZZZ	100		
14:44	FA2845-3	1		(sample used for QC only; not part of login FA2684)
15:01	GP21248-S1	1		
15:17	GP21248-S2	1		
16:54	GN54814-CCV4	1		
17:19	GP21259-MB1	1		
17:35	GP21259-B1	1		
17:52	FA2798-1	1		(sample used for QC only; not part of login FA2684)
18:08	FA2684-1	500		
18:24	ZZZZZZ	500		
18:41	ZZZZZZ	500		
18:57	GP21259-S1	1		
19:13	GP21259-S2	1		
19:29	GN54814-CCV5	1		
19:45	GP21260-MB1	1		
20:02	GP21260-B1	1		
21:05	ZZZZZZ	1		
21:54	ZZZZZZ	1		
22:10	FA2847-6	1		(sample used for QC only; not part of login FA2684)
22:26	GN54814-CCV6	1		
22:42	GN54814-CCB3	1		
23:29	ZZZZZZ	1		
00:01	ZZZZZZ	2		
00:17	FA2658-3	5		(sample used for QC only; not part of login FA2684)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313250301.TXT Date Analyzed: 03/25/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54814
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:33	ZZZZZZ	1		
00:49	ZZZZZZ	5		
01:05	ZZZZZZ	500		
01:21	ZZZZZZ	1		
01:37	GN54814-CCV7	1		
01:53	GN54814-CCB4	1		
02:09	ZZZZZZ	1		
02:24	ZZZZZZ	1		
02:56	ZZZZZZ	500		
03:12	GP21260-S1	1		
03:28	GP21260-S2	1		
03:44	GP21260-S3	5		
04:00	GP21260-S4	5		
04:16	GN54814-CCV8	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2684
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313250301.TXT Date Analyzed: 03/25/13 Methods: EPA 300/SW846 9056A
Run ID: GN54814 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54814-CCV1	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54814-CCV2	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54814-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54814-CCV3	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54814-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54814-CCV4	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN54814-CCV5	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN54814-CCV8	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

Reissue #1
04/10/13

Technical Report for

WSP Environment & Energy

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

36785.01

Accutest Job Number: FA2746

Sampling Dates: 03/14/13 - 03/15/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
tim.huff@wspgroup.com

ATTN: Tim Huff

Total number of pages in report: **87**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

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Test results relate only to samples analyzed.

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April 10, 2013

Mr. Tim Huff
WSP Environment & Energy
205 W Park St
Jackson, MO 63755

RE: Accutest job FA2746 Reissue

Dear Mr. Huff,

The final report for job number FA2746 been edited to reflect the following corrections. These edits have been incorporated into the revised report.

The sulfate result for FA2746-4 and the TDS result for FA2746-5 have been corrected.

Accutest apologizes for any inconvenience this may have caused. Please feel free to contact us if we can be of further assistance.

Sincerely,

Accutest Laboratories, SE

Florida ♦ 4405 Vineland Road ♦ Suite C-15 ♦ Orlando, FL 32811 ♦ tel: 407 425-6700 ♦ fax: 407 425-0707 ♦ htpp:/www.accutest.com

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA2746

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Project No: 36785.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA2746-1	03/14/13	15:45	TP	03/16/13	AQ	Equipment Blank	EB03142013
FA2746-2	03/14/13	14:30	TP	03/16/13	AQ	Ground Water	A-35-155
FA2746-2F	03/14/13	14:30	TP	03/16/13	AQ	Groundwater Filtered	A-35-155
FA2746-3	03/14/13	14:50	TP	03/16/13	AQ	Ground Water	DUP03142013
FA2746-3F	03/14/13	14:50	TP	03/16/13	AQ	Groundwater Filtered	DUP03142013
FA2746-4	03/15/13	11:20	TP	03/16/13	AQ	Ground Water	A-36-105
FA2746-4F	03/15/13	11:20	TP	03/16/13	AQ	Groundwater Filtered	A-36-105
FA2746-5	03/15/13	13:20	TP	03/16/13	AQ	Ground Water	A-36-145
FA2746-5F	03/15/13	13:20	TP	03/16/13	AQ	Groundwater Filtered	A-36-145

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA2746

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 4/1/2013 12:58:56 PM

5 Samples were collected on/between 03/14/2013 and 03/15/2013 and were received at Accutest SE on 03/16/2013 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of FA2746. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP24828

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2845-3DUP, FA2845-3MS, FA2845-3MSD, FA2845-3PS, FA2845-3SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Aluminum are outside control limits for sample MP24828-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

FA2746-5 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA2746-5 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA2746-5 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA2746-5 for Selenium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54665

All method blanks for this batch meet method specific criteria.

Sample(s) FA2746-2DUP was used as the QC sample for Specific Conductivity.

The following samples were run outside of holding time for method EPA 120.1: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5. Samples analyzed beyond hold time.

FA2746-1 for Specific Conductivity: Sample received outside the holding time.

FA2746-2 for Specific Conductivity: Sample received outside the holding time.

FA2746-3 for Specific Conductivity: Sample received outside the holding time.

FA2746-4 for Specific Conductivity: Sample analyzed beyond hold time.

FA2746-5 for Specific Conductivity: Sample analyzed beyond hold time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21196

All method blanks for this batch meet method specific criteria.

Sample(s) FA2732-4MS, FA2732-4MSD were used as the QC samples for Chloride, Fluoride, Nitrogen, Nitrate, Sulfate.

The following samples were run outside of holding time for Nitrogen, Nitrate: FA2746-1, FA2746-2, FA2746-3. Samples exceeded hold-time.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Fluoride, Nitrogen, Nitrate are outside control limits. Spike recovery indicates possible matrix interference. For method performance in a clean matrix, refer to Blank Spike.

FA2746-1 for Nitrogen, Nitrate: Sample analyzed beyond hold time.

FA2746-2 for Fluoride: Dilution required due to matrix interference.

FA2746-2 for Nitrogen, Nitrate: Sample analyzed beyond hold time.

FA2746-3 for Fluoride: Dilution required due to matrix interference.

FA2746-3 for Nitrogen, Nitrate: Sample analyzed beyond hold time.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21196

FA2746-4 for Fluoride: Dilution required due to matrix interference.

FA2746-4 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA2746-5 for Fluoride: Dilution required due to matrix interference.

FA2746-5 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Matrix: AQ **Batch ID:** GP21361

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3324-1MS, FA3324-1MSD were used as the QC samples for Sulfate.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21184

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2732-3DUP, FA2732-3MS were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP21201

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2801-9DUP, FA2801-9MS, FA2801-9MSD were used as the QC samples for Phosphorus, Total.

Wet Chemistry By Method SM 4500H B/SW 9040C

Matrix: AQ **Batch ID:** GN54662

Sample(s) FA2746-3DUP was used as the QC sample for pH.

FA2746-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2746-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2746-3 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2746-4 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2746-5 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54786

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2746-3DUP, FA2746-3MS were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix: AQ **Batch ID:** GN54882

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2746-4DUP, FA2746-4MS were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix: AQ **Batch ID:** GN54883

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2746-5DUP, FA2746-5MS were used as the QC samples for Alkalinity, Total as CaCO3.

Matrix Spike Recovery(s) for Alkalinity, Total as CaCO3 are outside control limits. Spike recovery indicates possible matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54735

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2698-4DUP was used as the QC sample for Solids, Total Dissolved.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN54754

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2702-3DUP was used as the QC sample for Solids, Total Dissolved.

Matrix: AQ **Batch ID:** GN55057

All method blanks for this batch meet method specific criteria.

Sample(s) FA3134-1DUP was used as the QC samples for Solids, Total Dissolved.

The following sample was run outside of holding time for method SM19 2540C: FA2746-5. Sample exceeded hold time due to reanalysis.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: April 1, 2013

Kim Benham, Client Services (signature on file)

Narrative revised by:

_____ Date: April 10, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA2746
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/14/13 thru 03/15/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2746-1	**EB03142013**					
Fluoride		0.13 J	0.20	0.060	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		0.033 J	0.10	0.028	mg/l	EPA 365.3
Solids, Total Dissolved		28.0 J	100	10	mg/l	SM19 2540C
pH [a]		5.26			su	SM 4500H B/SW 9040C
FA2746-2	**A-35-155**					
Aluminum		0.0457 J	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0027 J	0.0060	0.0013	mg/l	SW846 6010C
Calcium		376	1.0	0.050	mg/l	SW846 6010C
Iron		0.762	0.30	0.029	mg/l	SW846 6010C
Magnesium		169	5.0	0.074	mg/l	SW846 6010C
Potassium		9.29 J	10	0.20	mg/l	SW846 6010C
Sodium		79.4	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		361	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		362	5.0	0.60	mg/l	SM19 2320B
Chloride		31.0	20	8.0	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]		1.8	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2.8	1.0	0.28	mg/l	EPA 365.3
Solids, Total Dissolved		2300	200	20	mg/l	SM19 2540C
Specific Conductivity [c]		2280	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1380	50	15	mg/l	EPA 300/SW846 9056A
pH [a]		7.16			su	SM 4500H B/SW 9040C
FA2746-2F	**A-35-155**					
Phosphate, Ortho		0.73 J	1.0	0.19	mg/l	EPA 365.3
FA2746-3	**DUP03142013**					
Aluminum		0.0416 J	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0026 J	0.0060	0.0013	mg/l	SW846 6010C
Calcium		379	1.0	0.050	mg/l	SW846 6010C
Iron		0.679	0.30	0.029	mg/l	SW846 6010C
Magnesium		170	5.0	0.074	mg/l	SW846 6010C
Potassium		9.52 J	10	0.20	mg/l	SW846 6010C
Sodium		81.5	10	0.50	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		353	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		354	5.0	0.60	mg/l	SM19 2320B
Chloride		30.4	20	8.0	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]		1.8	1.0	0.50	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2.9	1.0	0.28	mg/l	EPA 365.3
Solids, Total Dissolved		2230	200	20	mg/l	SM19 2540C

Summary of Hits

Job Number: FA2746
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/14/13 thru 03/15/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Specific Conductivity [c]		2270	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		1270	50	15	mg/l	EPA 300/SW846 9056A
pH [a]		7.20			su	SM 4500H B/SW 9040C
FA2746-3F	**DUP03142013**					
Phosphate, Ortho		0.78 J	1.0	0.19	mg/l	EPA 365.3
FA2746-4	**A-36-105**					
Aluminum		0.907	0.20	0.015	mg/l	SW846 6010C
Antimony		0.0092	0.0060	0.0013	mg/l	SW846 6010C
Cadmium		0.0455	0.0050	0.00050	mg/l	SW846 6010C
Calcium		428	1.0	0.050	mg/l	SW846 6010C
Chromium		0.0122	0.010	0.0020	mg/l	SW846 6010C
Iron		3.72	0.30	0.029	mg/l	SW846 6010C
Magnesium		500	5.0	0.074	mg/l	SW846 6010C
Potassium		42.1	10	0.20	mg/l	SW846 6010C
Selenium		0.0075 J	0.010	0.0020	mg/l	SW846 6010C
Sodium		214	50	2.5	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		167	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		167	5.0	0.60	mg/l	SM19 2320B
Phosphorus, Total		0.55	0.20	0.056	mg/l	EPA 365.3
Solids, Total Dissolved		5240	500	50	mg/l	SM19 2540C
Specific Conductivity [b]		4290	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		3710	100	30	mg/l	EPA 300/SW846 9056A
pH [a]		6.09			su	SM 4500H B/SW 9040C
FA2746-4F	**A-36-105**					
Phosphate, Ortho		0.45	0.10	0.020	mg/l	EPA 365.3
FA2746-5	**A-36-145**					
Aluminum		0.0520 J	0.20	0.015	mg/l	SW846 6010C
Antimony [d]		0.0055 J	0.024	0.0052	mg/l	SW846 6010C
Calcium		693	4.0	0.20	mg/l	SW846 6010C
Iron		1.49	0.30	0.029	mg/l	SW846 6010C
Magnesium		413	5.0	0.074	mg/l	SW846 6010C
Potassium		10.5	10	0.20	mg/l	SW846 6010C
Sodium		121	40	2.0	mg/l	SW846 6010C
Alkalinity, Bicarbonate as CaCO3		565	5.0	5.0	mg/l	SM18 4500CO2D
Alkalinity, Total as CaCO3		565	25	3.0	mg/l	SM19 2320B
Chloride		77.4	20	8.0	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		0.058 J	0.10	0.028	mg/l	EPA 365.3

Summary of Hits

Job Number: FA2746
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/14/13 thru 03/15/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Solids, Total Dissolved [e]	4180	500	50	mg/l	SM19 2540C
Specific Conductivity [b]	3770	1.0	1.0	umhos/cm	EPA 120.1
Sulfate	2610	100	30	mg/l	EPA 300/SW846 9056A
pH [a]	6.87			su	SM 4500H B/SW 9040C
FA2746-5F A-36-145					
Phosphate, Ortho	0.15	0.10	0.020	mg/l	EPA 365.3

(a) Field analysis required. Received out of hold time and analyzed by request.
(b) Sample analyzed beyond hold time.
(c) Sample received outside the holding time.
(d) Elevated reporting limit(s) due to matrix interference.
(e) Sample exceeded hold time due to reanalysis.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	EB03142013		
Lab Sample ID:	FA2746-1	**Date Sampled:**	03/14/13
Matrix:	AQ - Equipment Blank	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.015 U	0.20	0.015	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0013 U	0.0060	0.0013	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	0.050 U	1.0	0.050	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.029 U	0.30	0.029	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	0.074 U	5.0	0.074	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	0.20 U	10	0.20	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0020 U	0.010	0.0020	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	0.50 U	10	0.50	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10617
(2) Prep QC Batch: MP24828

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB03142013		
Lab Sample ID:	FA2746-1	**Date Sampled:**	03/14/13
Matrix:	AQ - Equipment Blank	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	03/23/13 13:30	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/23/13 13:30	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	03/23/13	AC	SM19 2320B
Chloride	0.80 U	2.0	0.80	mg/l	1	03/16/13 16:52	AA	EPA 300/SW846 9056A
Fluoride	0.13 J	0.20	0.060	mg/l	1	03/16/13 16:52	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	0.050 U	0.10	0.050	mg/l	1	03/16/13 16:52	AA	EPA 300/SW846 9056A
Phosphate, Ortho	0.020 U	0.10	0.020	mg/l	1	03/16/13 10:00	MG	EPA 365.3
Phosphorus, Total	0.033 J	0.10	0.028	mg/l	1	03/20/13 09:45	LE	EPA 365.3
Solids, Total Dissolved	28.0 J	100	10	mg/l	1	03/20/13 15:10	KC	SM19 2540C
Specific Conductivity [b]	1.0 U	1.0	1.0	umhos/cm	1	03/16/13 13:35	KC	EPA 120.1
Sulfate	0.60 U	2.0	0.60	mg/l	1	03/16/13 16:52	AA	EPA 300/SW846 9056A
pH [c]	5.26			su	1	03/16/13 15:00	KC	SM 4500H B/SW 9040C

(a) Sample analyzed beyond hold time.
(b) Sample received outside the holding time.
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-35-155		
Lab Sample ID:	FA2746-2	**Date Sampled:**	03/14/13
Matrix:	AQ - Ground Water	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.0457 J	0.20	0.015	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0027 J	0.0060	0.0013	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	376	1.0	0.050	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.762	0.30	0.029	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	169	5.0	0.074	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	9.29 J	10	0.20	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0020 U	0.010	0.0020	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	79.4	10	0.50	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10617
(2) Prep QC Batch: MP24828

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-35-155		
Lab Sample ID:	FA2746-2	**Date Sampled:**	03/14/13
Matrix:	AQ - Ground Water	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	361	5.0	5.0	mg/l	1	03/23/13 13:30	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/23/13 13:30	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	362	5.0	0.60	mg/l	1	03/23/13	AC	SM19 2320B
Chloride	31.0	20	8.0	mg/l	10	03/16/13 17:07	AA	EPA 300/SW846 9056A
Fluoride [a]	0.60 U	2.0	0.60	mg/l	10	03/16/13 17:07	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	1.8	1.0	0.50	mg/l	10	03/16/13 17:07	AA	EPA 300/SW846 9056A
Phosphorus, Total	2.8	1.0	0.28	mg/l	10	03/20/13 09:45	LE	EPA 365.3
Solids, Total Dissolved	2300	200	20	mg/l	2	03/20/13 15:10	KC	SM19 2540C
Specific Conductivity [c]	2280	1.0	1.0	umhos/cm	1	03/16/13 13:35	KC	EPA 120.1
Sulfate	1380	50	15	mg/l	25	03/19/13 01:49	AA	EPA 300/SW846 9056A
pH [d]	7.16			su	1	03/16/13 15:00	KC	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample analyzed beyond hold time.
(c) Sample received outside the holding time.
(d) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-35-155		
Lab Sample ID:	FA2746-2F	**Date Sampled:**	03/14/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	0.73 J	1.0	0.19	mg/l	10	03/16/13 10:00	MG	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP03142013		
Lab Sample ID:	FA2746-3	**Date Sampled:**	03/14/13
Matrix:	AQ - Ground Water	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.0416 J	0.20	0.015	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Antimony	0.0026 J	0.0060	0.0013	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Cadmium	0.00050 U	0.0050	0.00050	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Calcium	379	1.0	0.050	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Chromium	0.0020 U	0.010	0.0020	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	0.679	0.30	0.029	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Magnesium	170	5.0	0.074	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Potassium	9.52 J	10	0.20	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Selenium	0.0020 U	0.010	0.0020	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]
Sodium	81.5	10	0.50	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA10617
(2) Prep QC Batch: MP24828

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP03142013		
Lab Sample ID:	FA2746-3	**Date Sampled:**	03/14/13
Matrix:	AQ - Ground Water	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	353	5.0	5.0	mg/l	1	03/23/13 13:30	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/23/13 13:30	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	354	5.0	0.60	mg/l	1	03/23/13	AC	SM19 2320B
Chloride	30.4	20	8.0	mg/l	10	03/16/13 17:23	AA	EPA 300/SW846 9056A
Fluoride [a]	0.60 U	2.0	0.60	mg/l	10	03/16/13 17:23	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [b]	1.8	1.0	0.50	mg/l	10	03/16/13 17:23	AA	EPA 300/SW846 9056A
Phosphorus, Total	2.9	1.0	0.28	mg/l	10	03/20/13 09:45	LE	EPA 365.3
Solids, Total Dissolved	2230	200	20	mg/l	2	03/20/13 15:10	KC	SM19 2540C
Specific Conductivity [c]	2270	1.0	1.0	umhos/cm	1	03/16/13 13:35	KC	EPA 120.1
Sulfate	1270	50	15	mg/l	25	03/19/13 02:05	AA	EPA 300/SW846 9056A
pH [d]	7.20			su	1	03/16/13 15:00	KC	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample analyzed beyond hold time.
(c) Sample received outside the holding time.
(d) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP03142013		
Lab Sample ID:	FA2746-3F	**Date Sampled:**	03/14/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	0.78 J	1.0	0.19	mg/l	10	03/16/13 10:00	MG	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-36-105		
Lab Sample ID:	FA2746-4	**Date Sampled:**	03/15/13
Matrix:	AQ - Ground Water	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.907	0.20	0.015	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony	0.0092	0.0060	0.0013	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.0455	0.0050	0.00050	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium	428	1.0	0.050	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.0122	0.010	0.0020	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	3.72	0.30	0.029	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	500	5.0	0.074	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	42.1	10	0.20	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium	0.0075 J	0.010	0.0020	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	214	50	2.5	mg/l	5	03/22/13	03/25/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10617
(2) Instrument QC Batch: MA10622
(3) Prep QC Batch: MP24828

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-36-105		
Lab Sample ID:	FA2746-4	**Date Sampled:**	03/15/13
Matrix:	AQ - Ground Water	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	167	5.0	5.0	mg/l	1	03/23/13 16:00	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/28/13 16:00	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	167	5.0	0.60	mg/l	1	03/28/13 16:00	LE	SM19 2320B
Chloride	20 U	50	20	mg/l	25	03/16/13 17:39	AA	EPA 300/SW846 9056A
Fluoride [a]	1.5 U	5.0	1.5	mg/l	25	03/16/13 17:39	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	1.3 U	2.5	1.3	mg/l	25	03/16/13 17:39	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.55	0.20	0.056	mg/l	2	03/20/13 09:45	LE	EPA 365.3
Solids, Total Dissolved	5240	500	50	mg/l	5	03/21/13	AR	SM19 2540C
Specific Conductivity [b]	4290	1.0	1.0	umhos/cm	1	03/16/13 13:35	KC	EPA 120.1
Sulfate	3710	100	30	mg/l	50	04/03/13 20:05	AA	EPA 300/SW846 9056A
pH [c]	6.09			su	1	03/16/13 15:00	KC	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample analyzed beyond hold time.
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-36-105		
Lab Sample ID:	FA2746-4F	**Date Sampled:**	03/15/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	0.45	0.10	0.020	mg/l	1	03/16/13 10:00	MG	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-36-145		
Lab Sample ID:	FA2746-5	**Date Sampled:**	03/15/13
Matrix:	AQ - Ground Water	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	0.0520 J	0.20	0.015	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	0.0055 J	0.024	0.0052	mg/l	4	03/22/13	03/25/13	LM	SW846 6010C [2]	SW846 3010A [3]
Arsenic	0.0025 U	0.010	0.0025	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	0.0020 U	0.020	0.0020	mg/l	4	03/22/13	03/25/13	LM	SW846 6010C [2]	SW846 3010A [3]
Calcium	693	4.0	0.20	mg/l	4	03/22/13	03/25/13	LM	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	0.0080 U	0.040	0.0080	mg/l	4	03/22/13	03/25/13	LM	SW846 6010C [2]	SW846 3010A [3]
Iron	1.49	0.30	0.029	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	413	5.0	0.074	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	10.5	10	0.20	mg/l	1	03/22/13	03/22/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	0.0080 U	0.040	0.0080	mg/l	4	03/22/13	03/25/13	LM	SW846 6010C [2]	SW846 3010A [3]
Sodium	121	40	2.0	mg/l	4	03/22/13	03/25/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10617
(2) Instrument QC Batch: MA10622
(3) Prep QC Batch: MP24828

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-36-145		
Lab Sample ID:	FA2746-5	**Date Sampled:**	03/15/13
Matrix:	AQ - Ground Water	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	565	5.0	5.0	mg/l	1	03/28/13 16:58	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/28/13 16:58	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	565	25	3.0	mg/l	1	03/28/13 16:58	LE	SM19 2320B
Chloride	77.4	20	8.0	mg/l	10	03/16/13 17:55	AA	EPA 300/SW846 9056A
Fluoride [a]	0.60 U	2.0	0.60	mg/l	10	03/16/13 17:55	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	0.50 U	1.0	0.50	mg/l	10	03/16/13 17:55	AA	EPA 300/SW846 9056A
Phosphorus, Total	0.058 J	0.10	0.028	mg/l	1	03/20/13 09:45	LE	EPA 365.3
Solids, Total Dissolved [b]	4180	500	50	mg/l	5	04/05/13 08:35	KC	SM19 2540C
Specific Conductivity [c]	3770	1.0	1.0	umhos/cm	1	03/16/13 13:35	KC	EPA 120.1
Sulfate	2610	100	30	mg/l	50	03/19/13 02:21	AA	EPA 300/SW846 9056A
pH [d]	6.87			su	1	03/16/13 15:00	KC	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample exceeded hold time due to reanalysis.
(c) Sample analyzed beyond hold time.
(d) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-36-145		
Lab Sample ID:	FA2746-5F	**Date Sampled:**	03/15/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/16/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	0.15	0.10	0.020	mg/l	1	03/16/13 10:00	MG	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES
4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA2746 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: WSP ENV + ENG
Address: 205 W PARK St.
City: Jackson State: MO Zip: 63755
Project Contact: TIM HUFF E-mail: TIM.HUFF@wspgroup.com
Phone#: 573-217-6759
Sampler(s) Name(s) (Printed): T PATTIE

Project Information

Project Name: AGRIUM
Street
City State
Project #
Fax #
Client Purchase Order #

Analytical Information

SEE ATTACHED

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	SEE ATTACHED	LAB USE ONLY
1	EB03142013	03/14/13	1545	TP	GW	4		X			X	X				X	
2	A-35-155	03/14/13	1430	TP	GW	4		X			X	X				X	
3	DUP03142013	03/14/13	1450	TP	GW	4		X			X	X				X	
4	A-36-105	03/15/13	1120	TP	GW	4		X			X	X				X	
5	A-36-145	03/15/13	1320	TP	GW	4		X			X	X				X	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	03/15/13 1410	2 [signature]	3 [signature] 031613	930	4 [signature] 03-16-13 930
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.4

5.1 5

FA2746: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA2746 CLIENT: LOSP PROJECT: Agrium

DATE/TIME RECEIVED: 03-16-13 930 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8017 3227 8955

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.8
- [ ] CORRECTED TEMPS: 2.4

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE R Willis 03-16-13 REVIEWER SIGNATURE/DATE [signature] 03/16/13

NF 12/10

receipt confirmation 122910.xls

5.1 5

FA2746: Chain of Custody
Page 2 of 3

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

Analyte List #2 (groundwater samples and groundwater sampling equipment blanks)

- total dissolved solids (TDS)
- Total metals - aluminum, antimony, arsenic, cadmium, calcium, chromium, iron, magnesium, potassium, selenium, and sodium
- chloride, fluoride, nitrate as N, and sulfate
- pH
- total phosphorous
- dissolved orthophosphate
- bicarbonate and carbonate alkalinity as $CaCO_3$
- specific conductance

NOTE – If turbidity at the time of sampling is greater than 50 NTU, collect dissolved metals sample and submit to laboratory ON HOLD for the same analyte list as the total metals sample.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10617
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:56	MA10617-STD1	1		STDA
08:59	MA10617-STD2	1		STDB
09:03	MA10617-STD3	1		STDC
09:07	MA10617-STD4	1		STDD
09:12	MA10617-HSTD1	1		
09:19	MA10617-ICV1	1		
09:28	MA10617-ICB1	1		
09:33	MA10617-CRIA1	1		
09:43	MA10617-ICSA1	1		
09:50	MA10617-ICSAB1	1		
10:01	MA10617-CCV1	1		
10:09	MA10617-CCB1	1		
10:13	ZZZZZZ	2		
10:18	ZZZZZZ	4		
10:22	ZZZZZZ	4		
10:27	ZZZZZZ	1		
10:31	ZZZZZZ	2		
10:36	ZZZZZZ	10		
10:40	ZZZZZZ	2		
10:45	MP24824-MB1	1		
10:49	MP24824-B1	1		
10:53	FA2845-1	1		(sample used for QC only; not part of login FA2746)
10:58	MA10617-CCV2	1		
11:02	MA10617-CCB2	1		
11:29	MA10617-CCV3	1		
11:33	MA10617-CCB3	1		
11:38	MP24824-D1	1		
11:43	MP24824-SD1	5		
11:47	MP24824-PS1	1		
11:51	MP24824-S1	1		
11:56	MP24824-S2	1		
12:00	ZZZZZZ	1		
12:04	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10617
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:09	ZZZZZZ	1		
12:13	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:22	MA10617-CCV4	1		
12:27	MA10617-CCB4	1		
12:31	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:54	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:12	ZZZZZZ	1		
13:17	MA10617-CCV5	1		
13:21	MA10617-CCB5	1		
13:25	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:44	MP24824-MB2A	1		
13:49	MP24828-MB1	1		
13:54	MP24828-B1	1		
13:58	FA2845-3	1		(sample used for QC only; not part of login FA2746)
14:02	MP24828-D1	1		
14:07	MP24828-SD1	5		
14:11	MA10617-CCV6	1		
14:16	MA10617-CCB6	1		
14:20	MP24828-PS1	1		
14:24	MP24828-S1	1		
14:29	MP24828-S2	1		
14:33	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10617
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	14:38	ZZZZZZ	1		
	14:42	ZZZZZZ	1		
	14:47	FA2746-1	1		
	14:51	FA2746-2	1		
	14:56	FA2746-3	1		
	15:00	FA2746-4	1		
	15:05	MA10617-CCV7	1		
	15:10	MA10617-CCB7	1		
	15:14	FA2746-5	1		
---------->	Last reportable sample/prep for job FA2746				
	15:19	ZZZZZZ	1		
	15:23	ZZZZZZ	1		
	15:28	ZZZZZZ	1		
	15:33	ZZZZZZ	1		
	15:37	ZZZZZZ	1		
	15:42	ZZZZZZ	1		
	15:46	ZZZZZZ	1		
	15:51	ZZZZZZ	1		
	15:56	ZZZZZZ	1		
	16:00	MA10617-CCV8	1		
	16:04	MA10617-CCB8	1		
	16:09	ZZZZZZ	1		
	16:13	ZZZZZZ	1		
	16:18	MA10617-CRIA2	1		
	16:22	MA10617-ICSA2	1		
	16:27	MA10617-ICSAB2	1		
	16:32	MA10617-CCV9	1		
	16:36	MA10617-CCB9	1		
---------->	Last reportable CCB for job FA2746				
	Refer to raw data for calibration curve and standards.				

INTERNAL STANDARD SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10617
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:56	MA10617-STD1	1848	14647	9276	1075
08:59	MA10617-STD2	1833	14864	9427	1027
09:03	MA10617-STD3	1769	14676	9394	938
09:07	MA10617-STD4	1723	14543	9405	876
09:12	MA10617-HSTD1	1734	14429	9445	875
09:19	MA10617-ICV1	1784	14549	9394	928
09:28	MA10617-ICB1	1853 R	14635 R	9190 R	1074 R
09:33	MA10617-CRIA1	1840	14787	9393	1047
09:43	MA10617-ICSA1	1629	13328	8832	795
09:50	MA10617-ICSAB1	1642	13263	8802	795
10:01	MA10617-CCV1	1779	14463	9162	930
10:09	MA10617-CCB1	1858	14733	9423	1060
10:13	ZZZZZZ	2318	18803	12212	895
10:18	ZZZZZZ	1854	14696	9168	1041
10:22	ZZZZZZ	1784	14461	9198	996
10:27	ZZZZZZ	1710	14444	9251	959
10:31	ZZZZZZ	1758	14491	9310	977
10:36	ZZZZZZ	1818	14515	9417	986
10:40	ZZZZZZ	1716	14027	8943	945
10:45	MP24824-MB1	1806	14650	9295	1054
10:49	MP24824-B1	1759	14488	9324	955
10:53	FA2845-1	1807	14574	9487	1035
10:58	MA10617-CCV2	1762	14270	9286	918
11:02	MA10617-CCB2	1836	14551	9125	1068
11:29	MA10617-CCV3	1738	14265	9081	913
11:33	MA10617-CCB3	1815	14591	9343	1044
11:38	MP24824-D1	1832	14577	9387	1050
11:43	MP24824-SD1	1829	14451	9063	1068
11:47	MP24824-PS1	1784	14498	9183	1013
11:51	MP24824-S1	1752	14440	9210	948
11:56	MP24824-S2	1752	14432	9311	941
12:00	ZZZZZZ	1813	14514	9261	1051
12:04	ZZZZZZ	1802	14543	9221	1051

INTERNAL STANDARD SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10617
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:09	ZZZZZZ	1769	14603	9311	1020
12:13	ZZZZZZ	1741	14554	9324	981
12:18	ZZZZZZ	1743	14359	9038	991
12:22	MA10617-CCV4	1738	14346	8961	924
12:27	MA10617-CCB4	1801	14661	9174	1055
12:31	ZZZZZZ	1744	14595	9337	993
12:36	ZZZZZZ	1586	13832	8907	849
12:40	ZZZZZZ	1735	14770	9270	952
12:45	ZZZZZZ	1540	13802	8826	819
12:49	ZZZZZZ	1751	14686	9336	1002
12:54	ZZZZZZ	1772	14835	9303	977
12:58	ZZZZZZ	1681	14260	8869	949
13:03	ZZZZZZ	1676	14422	9069	935
13:07	ZZZZZZ	1676	14352	9207	931
13:12	ZZZZZZ	1662	14211	8978	922
13:17	MA10617-CCV5	1727	14390	8970	920
13:21	MA10617-CCB5	1787	14794	9217	1052
13:25	ZZZZZZ	1582	13894	8922	816
13:30	ZZZZZZ	1398	12469	8012	676
13:35	ZZZZZZ	1677	14304	8930	950
13:40	ZZZZZZ	1645	14218	8987	899
13:44	MP24824-MB2A	1774	14758	9322	1043
13:49	MP24828-MB1	1768	14657	9091	1054
13:54	MP24828-B1	1716	14521	9069	956
13:58	FA2845-3	1740	14740	9305	1017
14:02	MP24828-D1	1755	14933	9410	1019
14:07	MP24828-SD1	1771	14671	9023	1048
14:11	MA10617-CCV6	1695	14337	8836	914
14:16	MA10617-CCB6	1769	14807	9269	1048
14:20	MP24828-PS1	1718	14596	9265	977
14:24	MP24828-S1	1710	14347	9013	939
14:29	MP24828-S2	1699	14369	8848	944
14:33	ZZZZZZ	1695	14584	9001	992

INTERNAL STANDARD SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10617
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:38	ZZZZZZ	1767	15003	9433	1010
14:42	ZZZZZZ	2047	17439	10960	987
14:47	FA2746-1	1742	14483	9110	1039
14:51	FA2746-2	1513	13425	8330	830
14:56	FA2746-3	1507	13660	8483	827
15:00	FA2746-4	1631	14770	9258	744
15:05	MA10617-CCV7	1679	14294	8976	901
15:10	MA10617-CCB7	1748	14629	8966	1053
15:14	FA2746-5	1421	13152	8131	771
15:19	ZZZZZZ	1670	14674	9072	978
15:23	ZZZZZZ	1609	14300	8951	853
15:28	ZZZZZZ	1703	14618	8912	1017
15:33	ZZZZZZ	1728	14685	9174	1024
15:37	ZZZZZZ	1733	14963	9287	1030
15:42	ZZZZZZ	2498 !	21758 !	13426 !	925
15:46	ZZZZZZ	1688	14611	9092	1010
15:51	ZZZZZZ	1599	14402	8932	909
15:56	ZZZZZZ	1627	14471	8941	921
16:00	MA10617-CCV8	1657	14480	8796	907
16:04	MA10617-CCB8	1725	14830	9116	1040
16:09	ZZZZZZ	1681	14761	9108	1003
16:13	ZZZZZZ	1607	14296	8783	917
16:18	MA10617-CRIA2	1703	14801	9029	1011
16:22	MA10617-ICSA2	1527	13514	8591	778
16:27	MA10617-ICSAB2	1526	13387	8425	778
16:32	MA10617-CCV9	1658	14546	8867	905
16:36	MA10617-CCB9	1730	14884	9140	1037

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10617 Units: ug/l

Time:			09:28		10:09		11:02		11:33	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	1.9	<200	21.9	<200	21.9	<200	30.4	<200
Antimony	6.0	1.3	-0.10	<6.0	-0.90	<6.0	0.40	<6.0	1.6	<6.0
Arsenic	10	1.6	0.60	<10	-0.40	<10	0.50	<10	0.90	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.0	<5.0	0.20	<5.0	0.30	<5.0	0.40	<5.0
Calcium	1000	50	-2.3	<1000	17.3	<1000	22.4	<1000	25.9	<1000
Chromium	10	1.8	0.20	<10	0.10	<10	0.60	<10	0.90	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-1.4	<300	21.4	<300	34.1	<300	44.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	12.8	<5000	28.1	<5000	23.7	<5000	10.0	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	0.30	<10000	-0.90	<10000	-9.6	<10000	28.0	<10000
Selenium	10	2	-1.5	<10	0.70	<10	-4.2	<10	-0.70	<10
Silver	10	.5	anr							
Sodium	10000	500	-7.0	<10000	14.7	<10000	15.0	<10000	20.9	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10617 Units: ug/l

Time:			12:27		13:21		14:16		15:10	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	23.6	<200	23.0	<200	19.0	<200	16.5	<200
Antimony	6.0	1.3	0.90	<6.0	1.6	<6.0	0.90	<6.0	1.8	<6.0
Arsenic	10	1.6	0.40	<10	0.30	<10	0.80	<10	0.80	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	21.5	<1000	19.3	<1000	14.6	<1000	19.1	<1000
Chromium	10	1.8	1.3	<10	0.50	<10	0.60	<10	0.60	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	40.5	<300	36.7	<300	36.6	<300	29.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	3.7	<5000	-1.6	<5000	24.3	<5000	16.8	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	22.6	<10000	23.5	<10000	62.3	<10000	76.4	<10000
Selenium	10	2	-2.4	<10	-1.1	<10	-0.30	<10	-2.8	<10
Silver	10	.5	anr							
Sodium	10000	500	20.9	<10000	23.0	<10000	53.9	<10000	65.4	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10617 Units: ug/l

Time:			16:04		16:36	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	22.5	<200	20.5	<200
Antimony	6.0	1.3	1.6	<6.0	0.90	<6.0
Arsenic	10	1.6	-0.60	<10	-1.1	<10
Barium	200	1	anr			
Beryllium	4.0	.5	anr			
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0
Calcium	1000	50	24.0	<1000	24.6	<1000
Chromium	10	1.8	0.70	<10	0.60	<10
Cobalt	50	.5	anr			
Copper	25	1	anr			
Iron	300	29	35.2	<300	33.5	<300
Lead	5.0	1.1	anr			
Magnesium	5000	74	2.4	<5000	-7.7	<5000
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200	65.4	<10000	67.8	<10000
Selenium	10	2	-3.3	<10	-3.7	<10
Silver	10	.5	anr			
Sodium	10000	500	60.1	<10000	50.7	<10000
Strontium	10	.5				
Thallium	10	1.3	anr			
Tin	50	.7	anr			
Titanium	10	.9				
Vanadium	50	.5	anr			
Zinc	20	3	anr			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10617 Units: ug/l

Time:		09:19			10:01			10:58	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41500	103.8	40000	40800	102.0	40000	41600	104.0
Antimony	2000	2000	100.0	2000	2010	100.5	2000	2040	102.0
Arsenic	2000	1970	98.5	2000	2020	101.0	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2060	103.0	2000	2080	104.0
Calcium	40000	42000	105.0	40000	41500	103.8	40000	41700	104.3
Chromium	2000	2060	103.0	2000	2100	105.0	2000	2120	106.0
Cobalt	anr								
Copper	anr								
Iron	40000	41200	103.0	40000	42000	105.0	40000	41500	103.8
Lead	anr								
Magnesium	40000	39700	99.3	40000	41100	102.8	40000	41300	103.3
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	41400	103.5	40000	40400	101.0	40000	41500	103.8
Selenium	2000	2010	100.5	2000	2020	101.0	2000	2040	102.0
Silver	anr								
Sodium	40000	41400	103.5	40000	40200	100.5	40000	41400	103.5
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10617 Units: ug/l

Time:		11:29			12:22			13:17	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	39600	99.0	40000	39200	98.0
Antimony	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Arsenic	2000	2020	101.0	2000	2030	101.5	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2050	102.5	2000	2060	103.0	2000	2070	103.5
Calcium	40000	40100	100.3	40000	40200	100.5	40000	40000	100.0
Chromium	2000	2040	102.0	2000	2050	102.5	2000	2050	102.5
Cobalt	anr								
Copper	anr								
Iron	40000	41200	103.0	40000	41600	104.0	40000	41500	103.8
Lead	anr								
Magnesium	40000	39900	99.8	40000	40000	100.0	40000	39600	99.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	39900	99.8	40000	39800	99.5	40000	39600	99.0
Selenium	2000	2040	102.0	2000	2040	102.0	2000	2060	103.0
Silver	anr								
Sodium	40000	40000	100.0	40000	39900	99.8	40000	39700	99.3
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10617 Units: ug/l

Time:		14:11			15:05			16:00	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	39300	98.3	40000	39000	97.5
Antimony	2000	2070	103.5	2000	2080	104.0	2000	2120	106.0
Arsenic	2000	2070	103.5	2000	2090	104.5	2000	2120	106.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2110	105.5	2000	2130	106.5	2000	2150	107.5
Calcium	40000	40400	101.0	40000	40500	101.3	40000	40200	100.5
Chromium	2000	2070	103.5	2000	2070	103.5	2000	2060	103.0
Cobalt	anr								
Copper	anr								
Iron	40000	42300	105.8	40000	41900	104.8	40000	42700	106.8
Lead	anr								
Magnesium	40000	40100	100.3	40000	39800	99.5	40000	39600	99.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40100	100.3	40000	40200	100.5	40000	40100	100.3
Selenium	2000	2100	105.0	2000	2120	106.0	2000	2160	108.0
Silver	anr								
Sodium	40000	40200	100.5	40000	40400	101.0	40000	40400	101.0
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10617 Units: ug/l

Time:		16:32	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	40000	38500	96.3
Antimony	2000	2110	105.5
Arsenic	2000	2120	106.0
Barium	anr		
Beryllium	anr		
Cadmium	2000	2150	107.5
Calcium	40000	39900	99.8
Chromium	2000	2050	102.5
Cobalt	anr		
Copper	anr		
Iron	40000	42400	106.0
Lead	anr		
Magnesium	40000	39200	98.0
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	40000	40000	100.0
Selenium	2000	2160	108.0
Silver	anr		
Sodium	40000	40200	100.5
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10617 Units: ug/l

Time:		09:12	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	81000	101.3
Antimony	4000	3990	99.8
Arsenic	4000	4000	100.0
Barium	anr		
Beryllium	anr		
Cadmium	4000	3950	98.8
Calcium	80000	80500	100.6
Chromium	4000	3970	99.3
Cobalt	anr		
Copper	anr		
Iron	80000	78900	98.6
Lead	anr		
Magnesium	80000	80900	101.1
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	80000	80800	101.0
Selenium	4000	3970	99.3
Silver	anr		
Sodium	80000	80800	101.0
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10617 Units: ug/l

Time:			09:33		16:18	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	202	101.0	197	98.5
Antimony	10	5.0	4.3	86.0	5.7	114.0
Arsenic	20	10	10.5	105.0	10.7	107.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.2	104.0	5.5	110.0
Calcium	2000	1000	1030	103.0	1020	102.0
Chromium	20	10	10.8	108.0	11.0	110.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	316	105.3	331	110.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5010	100.2	4860	97.2
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	10100	101.0	10100	101.0
Selenium	20	10	8.9	89.0	6.1	61.0*(a)
Silver	20	10	anr			
Sodium	20000	10000	9970	99.7	10100	101.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible instrument baseline drift.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032213M1.ICP Date Analyzed: 03/22/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10617 Units: ug/l

Time:			09:43		09:50		16:22		16:27	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	530000	106.0	534000	106.8	496000	99.2	498000	99.6
Antimony		1000	-1.4		998	99.8	-4.6		1050	105.0
Arsenic		1000	0.0		987	98.7	-1.3		1040	104.0
Barium		500	-0.40		519	103.8	-0.40		514	102.8
Beryllium		500	-0.10		506	101.2	-0.10		499	99.8
Cadmium		1000	0.0		913	91.3	-1.5		957	95.7
Calcium	500000	500000	505000	101.0	505000	101.0	488000	97.6	486000	97.2
Chromium		500	-0.20		485	97.0	0.80		479	95.8
Cobalt		500	-0.40		462	92.4	-0.10		453	90.6
Copper		500	0.0		566	113.2	-1.4		516	103.2
Iron	200000	200000	191000	95.5	194000	97.0	193000	96.5	199000	99.5
Lead		1000	0.0		944	94.4	-0.30		924	92.4
Magnesium	500000	500000	532000	106.4	527000	105.4	508000	101.6	507000	101.4
Manganese		500	0.0		505	101.0	-0.60		482	96.4
Molybdenum		1000	0.20		894	89.4	0.60		983	98.3
Nickel		1000	-0.90		902	90.2	-0.60		928	92.8
Potassium			-18		2.2		88.8		101	
Selenium		1000	0.0		971	97.1	-9.5		1040	104.0
Silver		1000	0.20		1060	106.0	-1.1		951	95.1
Sodium			76.8		79.7		156		157	
Strontium		1000	12.2		1010	101.0	12.1		997	99.7
Thallium		1000	1.6		948	94.8	2.6		930	93.0
Tin		1000	0.10		864	86.4	0.40		861	86.1
Titanium		1000	-4.0		1020	102.0	-3.1		964	96.4
Vanadium		500	-0.40		494	98.8	0.80		464	92.8
Zinc		1000	-0.90		925	92.5	-1.0		932	93.2

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10622
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:05	MA10622-STD1	1		STDA
08:09	MA10622-STD2	1		STDB
08:14	MA10622-STD3	1		STDC
08:17	MA10622-STD4	1		STDD
08:23	MA10622-HSTD1	1		
08:31	MA10622-ICV1	1		
08:39	MA10622-ICB1	1		
08:45	MA10622-CRIA1	1		
08:52	MA10622-ICSA1	1		
09:03	MA10622-ICSAB1	1		
09:12	MA10622-CCV1	1		
09:28	MA10622-CCB1	1		
11:00	MA10622-CCV2	1		
11:11	MA10622-CCB2	1		
11:16	MP24829-MB1	1		
11:20	MP24829-B1	1		
11:25	FA2880-10	1		(sample used for QC only; not part of login FA2746)
11:29	MP24829-D1	1		
11:34	MP24829-SD1	5		
11:38	MP24829-PS1	1		
11:43	MP24829-S1	1		
11:47	MP24829-S2	1		
11:51	ZZZZZZ	1		
11:56	ZZZZZZ	1		
12:00	MA10622-CCV3	1		
12:04	MA10622-CCB3	1		
12:09	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:36	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10622
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:41	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:54	MA10622-CCV4	1		
12:58	MA10622-CCB4	1		
13:03	ZZZZZZ	1		
13:08	ZZZZZZ	1		
13:12	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:35	MP24829-MB2A	1		
13:39	MP24830-MB1	1		
13:44	MP24830-B1	1		
13:48	MA10622-CCV5	1		
13:52	MA10622-CCB5	1		
14:31	MA10622-CCV6	1		
14:41	MA10622-CCB6	1		
14:49	FA2872-1	1		(sample used for QC only; not part of login FA2746)
14:53	MP24830-D1	1		
14:58	MP24830-SD1	5		
15:03	MP24830-PS1	1		
15:07	MP24830-S1	1		
15:12	MP24830-S2	1		
15:16	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:25	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:34	MA10622-CCV7	1		
15:39	MA10622-CCB7	1		
15:43	ZZZZZZ	1		
15:48	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10622
Parameters: Sb,Cd,Ca,Cr,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	15:52	ZZZZZZ	1		
	15:57	ZZZZZZ	1		
	16:01	ZZZZZZ	1		
	16:06	ZZZZZZ	1		
	16:10	ZZZZZZ	1		
	16:15	ZZZZZZ	1		
	16:19	ZZZZZZ	1		
	16:24	ZZZZZZ	1		
	16:28	MA10622-CCV8	1		
	16:32	MA10622-CCB8	1		
	16:37	ZZZZZZ	1		
	16:42	ZZZZZZ	1		
	16:46	ZZZZZZ	1		
	16:51	ZZZZZZ	1		
	16:55	ZZZZZZ	1		
	17:00	FA2746-4	5		
	17:04	FA2746-5	4		
---------->	Last reportable sample/prep for job FA2746				
	17:09	ZZZZZZ	2		
	17:14	MP24835-MB1	1		
	17:18	MP24835-B1	1		
	17:22	MA10622-CCV9	1		
	17:27	MA10622-CCB9	1		
	17:31	FA2841-1L	1		(sample used for QC only; not part of login FA2746)
	17:36	MP24835-D1	1		
	17:40	MP24835-SD1	5		
	17:45	MP24835-S1	1		
	17:49	MP24835-S2	1		
	17:54	ZZZZZZ	1		
	17:58	ZZZZZZ	1		
	18:03	ZZZZZZ	1		
	18:08	ZZZZZZ	1		
	18:12	FA2834-6	1		(sample used for QC only; not part of login FA2746)
	18:17	MA10622-CCV10	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10622
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:21	MA10622-CCB10	1		
18:26	ZZZZZZ	1		
18:30	ZZZZZZ	1		
18:35	ZZZZZZ	1		
18:40	ZZZZZZ	1		
18:44	MP24835-D2	1		
18:49	MP24835-D3	1		
18:53	MP24835-MB2	1		
18:58	MP24835-B2	1		
19:03	MP24835-MB3	1		
19:07	MP24835-B3	1		
19:12	MA10622-CCV11	1		
19:16	MA10622-CCB11	1		
19:20	MP24837-MB1	1		
19:25	MP24837-B1	1		
19:29	FA2880-6F	1		(sample used for QC only; not part of login FA2746)
19:34	MP24837-D1	1		
19:38	MP24837-SD1	5		
19:43	MP24837-PS1	1		
19:47	MP24837-S1	1		
19:51	MP24837-S2	1		
19:55	ZZZZZZ	1		
20:00	ZZZZZZ	1		
20:04	MA10622-CCV12	1		
20:09	MA10622-CCB12	1		
20:13	ZZZZZZ	1		
20:18	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:31	ZZZZZZ	1		
20:36	ZZZZZZ	1		
20:40	ZZZZZZ	1		
20:44	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10622
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:49	ZZZZZZ	1		
20:53	ZZZZZZ	1		
20:58	MA10622-CCV13	1		
21:02	MA10622-CCB13	1		
21:07	ZZZZZZ	1		
21:11	ZZZZZZ	1		
21:16	ZZZZZZ	1		
21:20	ZZZZZZ	1		
21:25	ZZZZZZ	1		
21:29	ZZZZZZ	1		
21:34	ZZZZZZ	1		
21:38	MP24837-MB2A	1		
21:43	MA10622-CRIA2	1		
21:47	MA10622-ICSA2	1		
21:52	MA10622-CCV14	1		
21:56	MA10622-CCB14	1		
22:01	MA10622-ICSAB2	1		
22:23	MA10622-CCV15	1		
22:27	MA10622-CCB15	1		

----------> Last reportable CCB for job FA2746
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10622
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:05	MA10622-STD1	2204	15259	7836	960
08:09	MA10622-STD2	2197	15476	7928	961
08:14	MA10622-STD3	2150	15433	7875	951
08:17	MA10622-STD4	2076	15168	7656	924
08:23	MA10622-HSTD1	2090	15291	7706	932
08:31	MA10622-ICV1	2137	15280	7754	951
08:39	MA10622-ICB1	2193 R	15108 R	7684 R	955 R
08:45	MA10622-CRIA1	2206	15362	7888	962
08:52	MA10622-ICSA1	2028	14654	7403	963
09:03	MA10622-ICSAB1	2012	14600	7453	951
09:12	MA10622-CCV1	2124	15016	7495	946
09:28	MA10622-CCB1	2136	15002	7763	943
11:00	MA10622-CCV2	2013	14540	7361	922
11:11	MA10622-CCB2	2048	14534	7551	927
11:16	MP24829-MB1	2032	14639	7731	928
11:20	MP24829-B1	2026	14651	7519	935
11:25	FA2880-10	2002	14735	7343	938
11:29	MP24829-D1	2023	14685	7451	943
11:34	MP24829-SD1	2051	14781	7620	935
11:38	MP24829-PS1	2007	14801	7577	941
11:43	MP24829-S1	1977	14629	7569	944
11:47	MP24829-S2	1974	14565	7539	938
11:51	ZZZZZZ	2030	14340	7331	933
11:56	ZZZZZZ	2046	14530	7373	938
12:00	MA10622-CCV3	1997	14566	7324	915
12:04	MA10622-CCB3	2042	14477	7457	918
12:09	ZZZZZZ	1893	14643	6899	880
12:14	ZZZZZZ	2016	14373	7524	916
12:18	ZZZZZZ	2043	14221	7351	931
12:23	ZZZZZZ	2049	14476	7482	922
12:27	ZZZZZZ	2585	18797	9243	955
12:32	ZZZZZZ	1536	12212	5817	626
12:36	ZZZZZZ	1877	14689	6838	878

INTERNAL STANDARD SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10622
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:41	ZZZZZZ	2020	14301	7315	915
12:45	ZZZZZZ	2022	14331	7376	917
12:50	ZZZZZZ	2037	14431	7457	918
12:54	MA10622-CCV4	1997	14601	7362	917
12:58	MA10622-CCB4	1998	14182	7302	904
13:03	ZZZZZZ	2533	18185	8847	949
13:08	ZZZZZZ	1548	12058	5571	628
13:12	ZZZZZZ	2055	14691	7533	922
13:17	ZZZZZZ	2112	15214	7792	924
13:21	ZZZZZZ	2029	14519	7445	924
13:26	ZZZZZZ	2043	14306	7237	923
13:30	ZZZZZZ	2058	14473	7399	926
13:35	MP24829-MB2A	2037	14455	7456	916
13:39	MP24830-MB1	2002	14237	7323	909
13:44	MP24830-B1	2001	14251	7052	920
13:48	MA10622-CCV5	2008	14340	6974	917
13:52	MA10622-CCB5	2066	14471	7176	921
14:31	MA10622-CCV6	1992	14381	6910	905
14:41	MA10622-CCB6	2033	14427	7158	911
14:49	FA2872-1	2150	15666	7336	911
14:53	MP24830-D1	2150	15593	7558	918
14:58	MP24830-SD1	2070	14916	7207	930
15:03	MP24830-PS1	2146	15865	7467	910
15:07	MP24830-S1	2091	15001	7096	907
15:12	MP24830-S2	2157	15833	7595	906
15:16	ZZZZZZ	2055	14737	7074	924
15:21	ZZZZZZ	2043	14492	7133	921
15:25	ZZZZZZ	2006	14675	6550	893
15:30	ZZZZZZ	2050	14370	6880	917
15:34	MA10622-CCV7	2024	14655	6872	906
15:39	MA10622-CCB7	2053	14488	7024	910
15:43	ZZZZZZ	2027	14378	6934	911
15:48	ZZZZZZ	2047	14126	6755	907

INTERNAL STANDARD SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10622
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:52	ZZZZZZ	2030	14383	6858	918
15:57	ZZZZZZ	2050	14446	7019	917
16:01	ZZZZZZ	2030	14544	6960	915
16:06	ZZZZZZ	2156	15234	7327	911
16:10	ZZZZZZ	2147	15235	7065	906
16:15	ZZZZZZ	2051	14464	6860	917
16:19	ZZZZZZ	2180	15633	7479	914
16:24	ZZZZZZ	1998	14694	6692	911
16:28	MA10622-CCV8	2008	14439	6730	902
16:32	MA10622-CCB8	2031	13948	6504	895
16:37	ZZZZZZ	2028	14397	6682	908
16:42	ZZZZZZ	2101	14946	7123	907
16:46	ZZZZZZ	2029	14933	6799	896
16:51	ZZZZZZ	2069	14658	6921	910
16:55	ZZZZZZ	2371	16702	7786	971
17:00	FA2746-4	2119	15029	6750	930
17:04	FA2746-5	2015	14606	6569	915
17:09	ZZZZZZ	2598	18751	8731	932
17:14	MP24835-MB1	2038	14204	6737	898
17:18	MP24835-B1	2038	14151	6476	912
17:22	MA10622-CCV9	2005	14318	6506	893
17:27	MA10622-CCB9	2045	14386	6699	896
17:31	FA2841-1L	2041	14743	6635	924
17:36	MP24835-D1	2047	14552	6658	927
17:40	MP24835-SD1	2062	14129	6440	912
17:45	MP24835-S1	2026	14492	6502	917
17:49	MP24835-S2	2050	14776	6718	929
17:54	ZZZZZZ	2047	14693	6744	927
17:58	ZZZZZZ	2044	14426	6501	927
18:03	ZZZZZZ	2073	14695	6432	931
18:08	ZZZZZZ	2055	14649	6763	926
18:12	FA2834-6	2051	14810	6618	924
18:17	MA10622-CCV10	1975	14196	6368	883

INTERNAL STANDARD SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10622
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:21	MA10622-CCB10	2042	13966	6410	900
18:26	ZZZZZZ	2046	14758	6561	928
18:30	ZZZZZZ	2049	14808	6642	930
18:35	ZZZZZZ	2023	14206	6401	918
18:40	ZZZZZZ	2060	14528	6287	930
18:44	MP24835-D2	2058	14746	6630	930
18:49	MP24835-D3	2065	14971	6721	924
18:53	MP24835-MB2	2048	14676	6487	928
18:58	MP24835-B2	2017	14290	6330	916
19:03	MP24835-MB3	2060	14711	6407	928
19:07	MP24835-B3	2005	14566	6464	915
19:12	MA10622-CCV11	1959	14293	6455	878
19:16	MA10622-CCB11	2012	13890	6307	886
19:20	MP24837-MB1	2008	13746	6286	885
19:25	MP24837-B1	2014	14051	6257	896
19:29	FA2880-6F	2017	14287	6487	899
19:34	MP24837-D1	1970	14346	6413	883
19:38	MP24837-SD1	2021	14031	6312	892
19:43	MP24837-PS1	2009	14069	6295	899
19:47	MP24837-S1	2005	14232	6470	904
19:51	MP24837-S2	1988	14273	6508	903
19:55	ZZZZZZ	2004	14175	6581	895
20:00	ZZZZZZ	2006	13916	6336	887
20:04	MA10622-CCV12	1963	13930	6073	877
20:09	MA10622-CCB12	2010	13951	6274	886
20:13	ZZZZZZ	2020	14111	6497	900
20:18	ZZZZZZ	2013	13850	6362	895
20:22	ZZZZZZ	2000	14098	6238	891
20:27	ZZZZZZ	2013	14007	6341	896
20:31	ZZZZZZ	2016	14580	6486	898
20:36	ZZZZZZ	2011	14269	6366	898
20:40	ZZZZZZ	2069	14652	6612	915
20:44	ZZZZZZ	1973	14197	6137	907

INTERNAL STANDARD SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10622
Parameters: Sb,Cd,Ca,Cr,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:49	ZZZZZZ	2243	15750	7304	895
20:53	ZZZZZZ	2065	14660	6687	889
20:58	MA10622-CCV13	1962	14295	6350	885
21:02	MA10622-CCB13	2001	14320	6404	893
21:07	ZZZZZZ	2009	14192	6473	906
21:11	ZZZZZZ	1987	14009	6418	891
21:16	ZZZZZZ	1990	14031	6437	900
21:20	ZZZZZZ	1972	13983	6361	899
21:25	ZZZZZZ	1998	14149	6482	895
21:29	ZZZZZZ	1953	13848	6298	892
21:34	ZZZZZZ	1970	13672	6134	893
21:38	MP24837-MB2A	1970	13720	6247	886
21:43	MA10622-CRIA2	2005	14086	6203	902
21:47	MA10622-ICSA2	1825	13394	5936	895
21:52	MA10622-CCV14	1914	13919	6095	878
21:56	MA10622-CCB14	1936	13641	6066	879
22:01	MA10622-ICSAB2	1797	13330	5854	881
22:23	MA10622-CCV15	1892	13571	5860	870
22:27	MA10622-CCB15	1951	13678	6029	884

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10622 Units: ug/l

Time:			08:39		09:28		11:11		12:04	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15								
Antimony	6.0	1.3	-0.30	<6.0	-1.4	<6.0	0.20	<6.0	-0.30	<6.0
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.30	<5.0	0.20	<5.0	0.30	<5.0
Calcium	1000	50	0.60	<1000	23.9	<1000	15.1	<1000	23.0	<1000
Chromium	10	1.8	0.0	<10	0.60	<10	0.0	<10	0.30	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	1.2	<10	0.50	<10	-0.90	<10	0.30	<10
Silver	10	.5	anr							
Sodium	10000	500	14.0	<10000	22.9	<10000	-140	<10000	-160	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10622 Units: ug/l

Time:			12:58		13:52		14:41		15:39	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15								
Antimony	6.0	1.3	-0.10	<6.0	0.50	<6.0	2.4	<6.0	1.5	<6.0
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.10	<5.0	0.20	<5.0
Calcium	1000	50	13.8	<1000	14.1	<1000	20.9	<1000	25.2	<1000
Chromium	10	1.8	-0.10	<10	0.50	<10	0.50	<10	0.0	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	-0.20	<10	-0.20	<10	2.2	<10	1.5	<10
Silver	10	.5	anr							
Sodium	10000	500	321	<10000	36.6	<10000	-93	<10000	-66	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10622 Units: ug/l

Time:			16:32		17:27		18:21		19:16	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15								
Antimony	6.0	1.3	0.30	<6.0	1.6	<6.0	1.4	<6.0	0.80	<6.0
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.20	<5.0	0.20	<5.0	0.10	<5.0	0.10	<5.0
Calcium	1000	50	47.3	<1000	18.3	<1000	12.8	<1000	9.9	<1000
Chromium	10	1.8	0.80	<10	0.20	<10	0.30	<10	0.50	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	2.0	<10	1.1	<10	2.1	<10	0.60	<10
Silver	10	.5	anr							
Sodium	10000	500	-110	<10000	-140	<10000	-98	<10000	-110	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10622 Units: ug/l

Time:			20:09		21:02		21:56		22:27	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15								
Antimony	6.0	1.3	1.0	<6.0	-0.10	<6.0	0.30	<6.0	-1.1	<6.0
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.0	<5.0	0.20	<5.0	0.10	<5.0
Calcium	1000	50	15.7	<1000	14.8	<1000	38.7	<1000	12.9	<1000
Chromium	10	1.8	0.20	<10	0.0	<10	0.60	<10	0.40	<10
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74	anr							
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	0.30	<10	1.0	<10	2.0	<10	3.1	<10
Silver	10	.5	anr							
Sodium	10000	500	-150	<10000	-140	<10000	-160	<10000	-160	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10622 Units: ug/l

Time:		08:31			09:12			11:00	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	2000	1980	99.0	2000	2010	100.5	2000	1980	99.0
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	2000	100.0	2000	2040	102.0	2000	1990	99.5
Calcium	40000	41300	103.3	40000	40600	101.5	40000	40200	100.5
Chromium	2000	2020	101.0	2000	2060	103.0	2000	2060	103.0
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	2000	1990	99.5	2000	2020	101.0	2000	2000	100.0
Silver	anr								
Sodium	40000	41000	102.5	40000	40600	101.5	40000	40300	100.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10622 Units: ug/l

Time:		12:00			12:54			13:48	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	2000	2010	100.5	2000	2020	101.0	2000	1990	99.5
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2060	103.0	2000	2030	101.5
Calcium	40000	40900	102.3	40000	40500	101.3	40000	40300	100.8
Chromium	2000	2090	104.5	2000	2090	104.5	2000	2120	106.0
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	2000	2040	102.0	2000	2040	102.0	2000	2010	100.5
Silver	anr								
Sodium	40000	41600	104.0	40000	40000	100.0	40000	42200	105.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10622 Units: ug/l

Time:		14:31			15:34			16:28	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	2000	2010	100.5	2000	1980	99.0	2000	1980	99.0
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2030	101.5	2000	2040	102.0
Calcium	40000	40500	101.3	40000	40600	101.5	40000	40800	102.0
Chromium	2000	2040	102.0	2000	2050	102.5	2000	2060	103.0
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	2000	2020	101.0	2000	2000	100.0	2000	2000	100.0
Silver	anr								
Sodium	40000	40700	101.8	40000	41300	103.3	40000	42000	105.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10622 Units: ug/l

Time:		17:22			18:17			19:12	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	2000	1990	99.5	2000	2000	100.0	2000	2050	102.5
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	2030	101.5	2000	2050	102.5	2000	2110	105.5
Calcium	40000	40500	101.3	40000	40900	102.3	40000	41300	103.3
Chromium	2000	2080	104.0	2000	2090	104.5	2000	2100	105.0
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	2000	2010	100.5	2000	2020	101.0	2000	2060	103.0
Silver	anr								
Sodium	40000	43000	107.5	40000	43300	108.3	40000	43800	109.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10622 Units: ug/l

Time:		20:04			20:58			21:52	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	2000	2040	102.0	2000	2060	103.0	2000	2110	105.5
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	2000	2090	104.5	2000	2110	105.5	2000	2180	109.0
Calcium	40000	41700	104.3	40000	40700	101.8	40000	42200	105.5
Chromium	2000	2140	107.0	2000	2100	105.0	2000	2130	106.5
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	2000	2050	102.5	2000	2060	103.0	2000	2100	105.0
Silver	anr								
Sodium	40000	44700	111.8*(a	40000	43600	109.0	40000	45000	112.5*(b
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested
(a) Positive bias, but all sample results <MDL.
(b) No samples for Na_ reported in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10622 Units: ug/l

Time:		22:23	
Sample ID:	CCV	CCV15	
Metal	True	Results	% Rec
Aluminum			
Antimony	2000	2120	106.0
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	2000	2170	108.5
Calcium	40000	42000	105.0
Chromium	2000	2150	107.5
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium			
Selenium	2000	2100	105.0
Silver	anr		
Sodium	40000	44900	112.3*(a
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples for Na_ reported in the area bracketed by this QC.

HIGH STANDARD CHECK SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10622 Units: ug/l

Time:		08:23	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum			
Antimony	4000	4030	100.8
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	4000	4000	100.0
Calcium	80000	79900	99.9
Chromium	4000	3960	99.0
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium			
Selenium	4000	4010	100.3
Silver	anr		
Sodium	80000	80500	100.6
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10622 Units: ug/l

Time:			08:45		21:43	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200				
Antimony	10	5.0	4.0	80.0	5.5	110.0
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.0	100.0	5.2	104.0
Calcium	2000	1000	1030	103.0	1070	107.0
Chromium	20	10	10.2	102.0	10.7	107.0
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	anr			
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000				
Selenium	20	10	9.7	97.0	10.1	101.0
Silver	20	10	anr			
Sodium	20000	10000	10200	102.0	11100	111.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032513M1.ICP Date Analyzed: 03/25/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10622 Units: ug/l

Time:			08:52		09:03		21:47		22:01	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	508000	101.6	506000	101.2	507000	101.4	490000	98.0
Antimony		1000	-1.6		1060	106.0	-0.60		1110	111.0
Arsenic		1000	0.0		1020	102.0	-0.60		1070	107.0
Barium		500	-0.40		519	103.8	-0.40		543	108.6
Beryllium		500	-0.10		491	98.2	-0.20		499	99.8
Cadmium		1000	-0.10		982	98.2	2.6		1040	104.0
Calcium	500000	500000	473000	94.6	478000	95.6	494000	98.8	488000	97.6
Chromium		500	0.50		488	97.6	-0.10		502	100.4
Cobalt		500	-0.70		502	100.4	-1.4		519	103.8
Copper		500	0.10		571	114.2	-0.60		596	119.2
Iron	200000	200000	188000	94.0	192000	96.0	184000	92.0	185000	92.5
Lead		1000	0.20		943	94.3	-6.8		985	98.5
Magnesium	500000	500000	493000	98.6	490000	98.0	508000	101.6	504000	100.8
Manganese		500	0.0		501	100.2	0.10		518	103.6
Molybdenum		1000	0.0		957	95.7	-0.10		990	99.0
Nickel		1000	0.0		1010	101.0	-0.50		1070	107.0
Potassium			64.9		46.9		58.7		-10	
Selenium		1000	0.0		1020	102.0	1.2		1050	105.0
Silver		1000	0.80		1020	102.0	0.70		1050	105.0
Sodium			98.0		99.9		-33		-73	
Strontium		1000	12.2		1010	101.0	12.7		1050	105.0
Thallium		1000	0.0		982	98.2	-1.8		1030	103.0
Tin		1000	-1.5		942	94.2	-2.3		962	96.2
Titanium		1000	-7.8		998	99.8	-7.7		1030	103.0
Vanadium		500	0.0		493	98.6	-0.50		519	103.8
Zinc		1000	0.30		961	96.1	0.70		1050	105.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24828
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/22/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15	14.9	<200
Antimony	6.0	1.3	1.3	0.60	<6.0
Arsenic	10	1.6	2.5	-1.1	<10
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5	-0.10	<5.0
Calcium	1000	50	50	23.3	<1000
Chromium	10	1.8	2	0.60	<10
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	29	29	67.1	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	74	74	1.2	<5000
Manganese	15	.7	.7		
Molybdenum	50	.6	1		
Nickel	40	.5	.5		
Potassium	10000	200	200	87.7	<10000
Selenium	10	2	2	-2.2	<10
Silver	10	.5	.5		
Sodium	10000	500	500	72.9	<10000
Strontium	10	.5	.5		
Thallium	10	1.3	1.3		
Tin	50	.7	1.8		
Titanium	10	.9	1		
Vanadium	50	.5	1		
Zinc	20	3	5		

Associated samples MP24828: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24828
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:	03/22/13							03/22/13	
Metal	FA2845-3 Original	DUP	RPD	QC Limits	FA2845-3 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	59.1	61.1	3.3	0-20	59.1	27400	27000	101.3	80-120
Antimony	0.0	0.0	NC	0-20	0.0	538	500	107.6	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2100	2000	105.0	80-120
Barium	anr								
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	52.9	50	105.8	80-120
Calcium	12300	12800	4.0	0-20	12300	38600	25000	105.2	80-120
Chromium	0.0	0.0	NC	0-20	0.0	218	200	109.0	80-120
Cobalt	anr								
Copper	anr								
Iron	8980	9220	2.6	0-20	8980	36100	26000	104.3	80-120
Lead	anr								
Magnesium	2500	2570	2.8	0-20	2500	27600	25000	100.4	80-120
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	1950	1990	2.0	0-20	1950	28000	25000	104.2	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2120	2000	106.0	80-120
Silver	anr								
Sodium	6090	6220	2.1	0-20	6090	32200	25000	104.4	80-120
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP24828: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24828
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/22/13

Metal	FA2845-3 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	59.1	26800	27000	99.0	2.2	20
Antimony	0.0	528	500	105.6	1.9	20
Arsenic	0.0	2050	2000	102.5	2.4	20
Barium	anr					
Beryllium	anr					
Cadmium	0.0	51.5	50	103.0	2.7	20
Calcium	12300	37600	25000	101.2	2.6	20
Chromium	0.0	213	200	106.5	2.3	20
Cobalt	anr					
Copper	anr					
Iron	8980	36000	26000	103.9	0.3	20
Lead	anr					
Magnesium	2500	27100	25000	98.4	1.8	20
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	1950	27200	25000	101.0	2.9	20
Selenium	0.0	2070	2000	103.5	2.4	20
Silver	anr					
Sodium	6090	31200	25000	100.4	3.2	20
Strontium						
Thallium	anr					
Tin	anr					
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP24828: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24828
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/22/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	27100	27000	100.4	80-120
Antimony	542	500	108.4	80-120
Arsenic	2090	2000	104.5	80-120
Barium	anr			
Beryllium	anr			
Cadmium	53.4	50	106.8	80-120
Calcium	25500	25000	102.0	80-120
Chromium	217	200	108.5	80-120
Cobalt	anr			
Copper	anr			
Iron	27700	26000	106.5	80-120
Lead	anr			
Magnesium	24600	25000	98.4	80-120
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	25800	25000	103.2	80-120
Selenium	2130	2000	106.5	80-120
Silver	anr			
Sodium	25700	25000	102.8	80-120
Strontium				
Thallium	anr			
Tin	anr			
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP24828: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24828
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/22/13

Metal	FA2845-3 Original	SDL 1:5	%DIF	QC Limits
Aluminum	59.1	75.8	28.3 (a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium	anr			
Cadmium	0.00	0.00	NC	0-10
Calcium	12300	13100	6.0	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	anr			
Copper	anr			
Iron	8980	9420	4.9	0-10
Lead	anr			
Magnesium	2500	2650	6.3	0-10
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	1950	2100	7.7	0-10
Selenium	0.00	0.00	NC	0-10
Silver	anr			
Sodium	6090	6330	3.9	0-10
Strontium				
Thallium	anr			
Tin	anr			
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP24828: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24828
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/22/13

Metal	Sample ml	Final ml	FA2845-3 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	59.1	57.918	2465	0.2	125	2500	96.3	80-120
Antimony	9.8	10	0	0	105.4	0.2	5	100	105.4	80-120
Arsenic	9.8	10	0	0	102.5	0.2	5	100	102.5	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	53.7	0.2	2.5	50	107.4	80-120
Calcium	9.8	10	12320	12073.6	18010	0.2	250	5000	118.7	80-120
Chromium	9.8	10	0	0	53.6	0.2	2.5	50	107.2	80-120
Cobalt										
Copper										
Iron	9.8	10	8980	8800.4	11880	0.2	150	3000	102.7	80-120
Lead										
Magnesium	9.8	10	2496	2446.08	7278	0.2	250	5000	96.6	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	1950	1911	12090	0.2	500	10000	101.8	80-120
Selenium	9.8	10	0	0	101.5	0.2	5	100	101.5	80-120
Silver										
Sodium	9.8	10	6094	5972.12	16190	0.2	500	10000	102.2	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24828: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN54786	5.0	0.60	mg/l	250	251	100.2	90-113%
Alkalinity, Total as CaCO3	GN54882	5.0	0.0	mg/l	250	255	102.0	90-113%
Alkalinity, Total as CaCO3	GN54883	25	0.0	mg/l	250	265	106.0	90-113%
Chloride	GP21196/GN54690	2.0	0.0	mg/l	50	50.0	100.0	90-110%
Chloride	GP21361/GN55042	2.0	0.0	mg/l	50	50.5	101.0	90-110%
Fluoride	GP21196/GN54690	0.20	0.0	mg/l	2.5	2.43	97.2	90-110%
Nitrogen, Nitrate	GP21196/GN54690	0.10	0.0	mg/l	2.5	2.44	97.6	90-110%
Nitrogen, Nitrate	GP21361/GN55042	0.10	0.0	mg/l	2.5	2.48	99.2	90-110%
Nitrogen, Nitrite	GP21196/GN54690	0.10	0.0	mg/l	2.5	2.41	96.4	90-110%
Nitrogen, Nitrite	GP21361/GN55042	0.10	0.0	mg/l	2.5	2.50	100.0	90-110%
Phosphate, Ortho	GP21184/GN54655	0.10	0.0	mg/l	0.300	0.30	109.9	83-116%
Phosphorus, Total	GP21201/GN54721	0.10	0.0	mg/l	.300	0.28	91.8	81-118%
Solids, Total Dissolved	GN54735	100	10.0	mg/l				
Solids, Total Dissolved	GN54754	100	91.0	mg/l				
Solids, Total Dissolved	GN55057	100	43.0	mg/l				
Specific Conductivity	GN54665	1.0	0.0	umhos/cm				
Sulfate	GP21196/GN54690	2.0	0.0	mg/l	50	50.9	101.8	90-110%
Sulfate	GP21361/GN55042	2.0	0.0	mg/l	50	49.5	99.0	90-110%

Associated Samples:
Batch GN54665: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5
Batch GN54735: FA2746-1, FA2746-2, FA2746-3
Batch GN54754: FA2746-4
Batch GN54786: FA2746-1, FA2746-2, FA2746-3
Batch GN54882: FA2746-4
Batch GN54883: FA2746-5
Batch GN55057: FA2746-5
Batch GP21184: FA2746-1, FA2746-2F, FA2746-3F, FA2746-4F, FA2746-5F
Batch GP21196: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5
Batch GP21201: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5
Batch GP21361: FA2746-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN54786	FA2746-3	mg/l	354	353	0.3	0-20%
Alkalinity, Total as CaCO3	GN54882	FA2746-4	mg/l	167	169	1.2	0-20%
Alkalinity, Total as CaCO3	GN54883	FA2746-5	mg/l	565	570	0.9	0-20%
Phosphate, Ortho	GP21184/GN54655	FA2732-3	mg/l	0.071	0.073	3.0	0-26%
Phosphorus, Total	GP21201/GN54721	FA2801-9	mg/l	1.7	1.7	0.7	0-22%
Solids, Total Dissolved	GN54735	FA2698-4	mg/l	296	291	1.7	0-5%
Solids, Total Dissolved	GN54754	FA2702-3	mg/l	151	155	2.6	0-5%
Solids, Total Dissolved	GN55057	FA3134-1	mg/l	43.0	41.0	4.8	0-5%
Specific Conductivity	GN54665	FA2746-2	umhos/cm	2280	2260	0.5	0-10%
pH	GN54662	FA2746-3	su	7.20	7.21	0.1	0-10%

Associated Samples:
Batch GN54662: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5
Batch GN54665: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5
Batch GN54735: FA2746-1, FA2746-2, FA2746-3
Batch GN54754: FA2746-4
Batch GN54786: FA2746-1, FA2746-2, FA2746-3
Batch GN54882: FA2746-4
Batch GN54883: FA2746-5
Batch GN55057: FA2746-5
Batch GP21184: FA2746-1, FA2746-2F, FA2746-3F, FA2746-4F, FA2746-5F
Batch GP21201: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN54786	FA2746-3	mg/l	354	250	611	103.0	90-113%
Alkalinity, Total as CaCO3	GN54882	FA2746-4	mg/l	167	250	406	95.6	90-113%
Alkalinity, Total as CaCO3	GN54883	FA2746-5	mg/l	565	250	873	123.0*(a)	90-113%
Chloride	GP21196/GN54690	FA2732-4	mg/l	2.9	50	49.9	94.0	90-110%
Chloride	GP21361/GN55042	FA3324-1	mg/l	17.0	50	67.1	100.2	90-110%
Fluoride	GP21196/GN54690	FA2732-4	mg/l	0.060 U	2.5	2.2	88.0N(a)	90-110%
Nitrogen, Nitrate	GP21196/GN54690	FA2732-4	mg/l	0.050 U	2.5	2.2	88.0N(a)	90-110%
Nitrogen, Nitrate	GP21361/GN55042	FA3324-1	mg/l	1.1	2.5	3.6	100.0	90-110%
Nitrogen, Nitrite	GP21196/GN54690	FA2732-4	mg/l	0.050 U	2.5	2.3	92.0	90-110%
Nitrogen, Nitrite	GP21361/GN55042	FA3324-1	mg/l	0.15	2.5	2.5	94.0	90-110%
Phosphate, Ortho	GP21184/GN54655	FA2732-3	mg/l	0.071	0.300	0.34	88.5	83-116%
Phosphorus, Total	GP21201/GN54721	FA2801-9	mg/l	1.7	.300	2.0	107.0	81-118%
Sulfate	GP21196/GN54690	FA2732-4	mg/l	0.84	50	46.0	90.3	90-110%
Sulfate	GP21361/GN55042	FA3324-1	mg/l	1.7	50	51.3	99.2	90-110%

Associated Samples:
Batch GN54786: FA2746-1, FA2746-2, FA2746-3
Batch GN54882: FA2746-4
Batch GN54883: FA2746-5
Batch GP21184: FA2746-1, FA2746-2F, FA2746-3F, FA2746-4F, FA2746-5F
Batch GP21196: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5
Batch GP21201: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5
Batch GP21361: FA2746-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP21196/GN54690	FA2732-4	mg/l	2.9	50	49.8	0.2	
Chloride	GP21361/GN55042	FA3324-1	mg/l	17.0	50	67.1	0.0	20%
Fluoride	GP21196/GN54690	FA2732-4	mg/l	0.060 U	2.5	2.1	4.7(a)	
Nitrogen, Nitrate	GP21196/GN54690	FA2732-4	mg/l	0.050 U	2.5	2.2	0.0(a)	
Nitrogen, Nitrate	GP21361/GN55042	FA3324-1	mg/l	1.1	2.5	3.6	0.0	20%
Nitrogen, Nitrite	GP21196/GN54690	FA2732-4	mg/l	0.050 U	2.5	2.3	0.0	
Nitrogen, Nitrite	GP21361/GN55042	FA3324-1	mg/l	0.15	2.5	2.5	0.0	20%
Phosphorus, Total	GP21201/GN54721	FA2801-9	mg/l	1.7	.300	2.07	2.2	22%
Sulfate	GP21196/GN54690	FA2732-4	mg/l	0.84	50	45.7	0.7	
Sulfate	GP21361/GN55042	FA3324-1	mg/l	1.7	50	51.2	0.2	20%

Associated Samples:
Batch GP21196: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5
Batch GP21201: FA2746-1, FA2746-2, FA2746-3, FA2746-4, FA2746-5
Batch GP21361: FA2746-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313160301.TXT Date Analyzed: 03/16/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54690
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:22	GN54690-CCV1	1		
12:37	GN54690-CCB1	1		
12:53	GP21196-MB1	1		
13:09	GP21196-B1	1		
13:57	ZZZZZZ	1		
14:13	FA2732-4	1		(sample used for QC only; not part of login FA2746)
14:29	ZZZZZZ	5		
14:44	ZZZZZZ	10		
15:00	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:32	GN54690-CCV2	1		
15:48	GN54690-CCB2	1		
16:04	ZZZZZZ	1		
16:20	ZZZZZZ	5		
16:36	ZZZZZZ	5		
16:52	FA2746-1	1		
17:07	FA2746-2	10		
17:23	FA2746-3	10		
17:39	FA2746-4	25		
17:55	FA2746-5	10		
18:11	GP21196-S1	1		
18:27	GP21196-S2	1		
18:43	GN54690-CCV3	1		
18:59	GN54690-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313160301.TXT Date Analyzed: 03/16/13 Methods: EPA 300/SW846 9056A
Run ID: GN54690 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54690-CCV1	Fluoride	2.4	0.20	0.060	2.5	96.0	90-110
GN54690-CCV1	Chloride	50.0	2.0	0.80	50	100.0	90-110
GN54690-CCV1	Nitrogen, Nitrate	2.8	0.10	0.050	2.5	112.0!	90-110
GN54690-CCV1	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54690-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54690-CCB1	Chloride	0.80 U	2.0	0.80			
GN54690-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54690-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54690-CCV2	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN54690-CCV2	Chloride	50.0	2.0	0.80	50	100.0	90-110
GN54690-CCV2	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN54690-CCV2	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN54690-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54690-CCB2	Chloride	0.80 U	2.0	0.80			
GN54690-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54690-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54690-CCV3	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54690-CCV3	Chloride	50.2	2.0	0.80	50	100.4	90-110
GN54690-CCV3	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54690-CCV3	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54690-CCB3	Fluoride	0.060 U	0.20	0.060			
GN54690-CCB3	Chloride	0.80 U	2.0	0.80			
GN54690-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54690-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313180301.TXT Date Analyzed: 03/18/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54699
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:47	GN54699-CCV1	1		
15:03	GN54699-CCB1	1		
15:19	GP21199-MB1	1		
15:35	GP21199-B1	1		
17:05	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:53	ZZZZZZ	1		
18:08	GN54699-CCV2	1		
18:24	GN54699-CCB2	1		
18:40	ZZZZZZ	5		
18:56	FA2775-7	5		(sample used for QC only; not part of login FA2746)
19:12	ZZZZZZ	1		
19:28	ZZZZZZ	1		
19:44	ZZZZZZ	10		
20:00	ZZZZZZ	1		
20:16	FA2775-14	1		(sample used for QC only; not part of login FA2746)
20:32	ZZZZZZ	1		
20:47	ZZZZZZ	10		
21:03	ZZZZZZ	10		
21:19	GN54699-CCV3	1		
21:35	GN54699-CCB3	1		
23:10	GP21199-S1	5		
23:26	GP21199-S2	5		
23:42	GP21199-S3	1		
23:58	GP21199-S4	1		
00:14	ZZZZZZ	2		
00:30	GN54699-CCV4	1		
00:46	GN54699-CCB4	1		
01:01	ZZZZZZ	5		
01:17	ZZZZZZ	25		
01:49	FA2746-2	25		
02:05	FA2746-3	25		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313180301.TXT Date Analyzed: 03/18/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54699
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:21	FA2746-5	50		
02:37	GN54699-CCV5	1		
02:53	GN54699-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313180301.TXT Date Analyzed: 03/18/13 Methods: EPA 300/SW846 9056A
Run ID: GN54699 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54699-CCV1	Sulfate	50.7	2.0	0.60	50	101.4	90-110
GN54699-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54699-CCV2	Sulfate	52.9	2.0	0.60	50	105.8	90-110
GN54699-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54699-CCV3	Sulfate	56.1	2.0	0.60	50	112.2!	90-110
GN54699-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54699-CCV4	Sulfate	49.9	2.0	0.60	50	99.8	90-110
GN54699-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54699-CCV5	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN54699-CCB5	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313030401.TXT Date Analyzed: 04/03/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN55042
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:13	GN55042-CCV1	1		
12:29	GP21361-MB1	1		
12:45	GP21361-B1	1		
14:08	ZZZZZZ	25		
14:40	ZZZZZZ	25		
14:56	ZZZZZZ	10		
15:12	GN55042-CCV2	1		
15:28	GN55042-CCB1	1		
15:45	ZZZZZZ	10		
17:06	FA3324-1	1		(sample used for QC only; not part of login FA2746)
17:23	ZZZZZZ	1		
17:39	ZZZZZZ	1		
17:55	ZZZZZZ	1		
18:12	FA3324-5	1		(sample used for QC only; not part of login FA2746)
18:28	GN55042-CCV3	1		
18:45	GN55042-CCB2	1		
19:00	ZZZZZZ	1		
19:17	ZZZZZZ	10		
19:33	ZZZZZZ	2		
19:48	ZZZZZZ	1		
20:05	FA2746-4	50		
20:21	GP21361-S1	1		
20:37	GP21361-S2	1		
20:52	GP21361-S3	1		
21:09	GP21361-S4	1		
21:26	GN55042-CCV4	1		
21:42	GN55042-CCB3	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2746
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313030401.TXT Date Analyzed: 04/03/13 Methods: EPA 300/SW846 9056A
Run ID: GN55042 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN55042-CCV1	Sulfate	51.2	2.0	0.60	50	102.4	90-110
GN55042-CCV2	Sulfate	50.8	2.0	0.60	50	101.6	90-110
GN55042-CCB1	Sulfate	0.60 U	2.0	0.60			
GN55042-CCV3	Sulfate	53.2	2.0	0.60	50	106.4	90-110
GN55042-CCB2	Sulfate	0.60 U	2.0	0.60			
GN55042-CCV4	Sulfate	53.2	2.0	0.60	50	106.4	90-110
GN55042-CCB3	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Southeast ACCUTEST LABORATORIES

04/12/13

Technical Report for

WSP Environment & Energy

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

36785.01

Accutest Job Number: FA2878

Sampling Date: 03/20/13

Report to:

WSP Environment & Energy
205 West Park Street
Jackson, MO 63755
tim.huff@wspgroup.com

ATTN: Tim Huff

Total number of pages in report: **102**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

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Accutest Laboratories

Sample Summary

WSP Environment & Energy

Job No: FA2878

Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Project No: 36785.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA2878-1	03/20/13	13:55	TP	03/21/13	AQ	Ground Water	A-34-022
FA2878-1F	03/20/13	13:55	TP	03/21/13	AQ	Groundwater Filtered	A-34-022
FA2878-2	03/20/13	14:20	TP	03/21/13	AQ	Ground Water	DUP03202013
FA2878-2F	03/20/13	14:20	TP	03/21/13	AQ	Groundwater Filtered	DUP03202013

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: WSP Environment & Energy **Job:** FA2878

Site: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID **Report Date:** 4/12/2013 1:01:18 PM

2 Samples were collected on 03/20/2013 and were received at Accutest SE on 03/21/2013 properly preserved, at 3.6 Deg. C and intact. These Samples received an Accutest job number of FA2878. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP24867

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2933-1DUP, FA2933-1MS, FA2933-1MSD, FA2933-1PS, FA2933-1SDL were used as the QC samples for metals.

FA2878-1 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA2878-1 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA2878-1 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA2878-1 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA2878-1 for Chromium: Elevated reporting limit(s) due to matrix interference.

FA2878-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA2878-2 for Antimony: Elevated reporting limit(s) due to matrix interference.

FA2878-2 for Selenium: Elevated reporting limit(s) due to matrix interference.

FA2878-2 for Arsenic: Elevated reporting limit(s) due to matrix interference.

FA2878-2 for Cadmium: Elevated reporting limit(s) due to matrix interference.

FA2878-2 for Calcium: Elevated reporting limit(s) due to matrix interference.

FA2878-2 for Chromium: Elevated reporting limit(s) due to matrix interference.

Wet Chemistry By Method EPA 120.1

Matrix: AQ **Batch ID:** GN54757

Sample(s) FA2878-1DUP was used as the QC sample for Specific Conductivity.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21230

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2880-6MS, FA2880-6MSD were used as the QC samples for Chloride, Nitrogen, Nitrate, Sulfate.

FA2878-1 for Chloride: Dilution required due to matrix interference.

FA2878-1 for Nitrogen, Nitrate: Dilution required due to matrix interference.

FA2878-2 for Chloride: Dilution required due to matrix interference.

FA2878-2 for Nitrogen, Nitrate: Dilution required due to matrix interference.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP21259

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2798-1MSD, FA2798-1MS were used as the QC samples for Fluoride.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Fluoride are outside control limits. Spike recovery indicates possible matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP21216

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2878-1FDUP, FA2878-1FMS were used as the QC samples for Phosphate, Ortho.

Matrix: AQ **Batch ID:** GP21278

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA2963-1DUP, FA2963-1MS, FA2963-1MSD were used as the QC samples for Phosphorus, Total.

Wet Chemistry By Method SM 4500H B/SW 9040C

Matrix: AQ **Batch ID:** GN54756

Sample(s) FA2876-1DUP was used as the QC sample for pH.

FA2878-1 for pH: Field analysis required. Received out of hold time and analyzed by request.

FA2878-2 for pH: Field analysis required. Received out of hold time and analyzed by request.

Wet Chemistry By Method SM19 2320B

Matrix: AQ **Batch ID:** GN54939

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA3100-2DUP, FA3100-2MS were used as the QC samples for Alkalinity, Total as CaCO3.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN55125

All method blanks for this batch meet method specific criteria.

Sample(s) FA3401-36DUP was used as the QC sample for Solids, Total Dissolved.

The following samples were run outside of holding time for method SM19 2540C: FA2878-1, FA2878-2. Sample exceeded hold time due to reanalysis.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: April 12, 2013

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA2878
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2878-1	**A-34-022**					
Aluminum		1410	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.253	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		3.27	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		588	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		3.00	0.050	0.010	mg/l	SW846 6010C
Iron		1460	1.5	0.15	mg/l	SW846 6010C
Magnesium		1020	25	0.37	mg/l	SW846 6010C
Potassium		409	50	1.0	mg/l	SW846 6010C
Selenium [a]		0.0228 J	0.050	0.010	mg/l	SW846 6010C
Sodium		834	200	10	mg/l	SW846 6010C
Chloride [b]		94.5 J	200	80	mg/l	EPA 300/SW846 9056A
Fluoride		2220	100	30	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2220	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved [c]		26100	2000	200	mg/l	SM19 2540C
Specific Conductivity		12700	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		11500	400	120	mg/l	EPA 300/SW846 9056A
pH [d]		2.26			su	SM 4500H B/SW 9040C
FA2878-1F	**A-34-022**					
Phosphate, Ortho		1870	1000	190	mg/l	EPA 365.3
FA2878-2	**DUP03202013**					
Aluminum		1340	1.0	0.075	mg/l	SW846 6010C
Arsenic [a]		0.249	0.050	0.013	mg/l	SW846 6010C
Cadmium [a]		3.13	0.025	0.0025	mg/l	SW846 6010C
Calcium [a]		559	5.0	0.25	mg/l	SW846 6010C
Chromium [a]		2.88	0.050	0.010	mg/l	SW846 6010C
Iron		1380	1.5	0.15	mg/l	SW846 6010C
Magnesium		964	25	0.37	mg/l	SW846 6010C
Potassium		387	50	1.0	mg/l	SW846 6010C
Selenium [a]		0.0299 J	0.050	0.010	mg/l	SW846 6010C
Sodium		793	200	10	mg/l	SW846 6010C
Fluoride		2040	100	30	mg/l	EPA 300/SW846 9056A
Phosphorus, Total		2110	1000	280	mg/l	EPA 365.3
Solids, Total Dissolved [c]		25000	2000	200	mg/l	SM19 2540C
Specific Conductivity		13000	1.0	1.0	umhos/cm	EPA 120.1
Sulfate		11200	400	120	mg/l	EPA 300/SW846 9056A
pH [d]		2.24			su	SM 4500H B/SW 9040C

Summary of Hits

Job Number: FA2878
Account: WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID
Collected: 03/20/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA2878-2F	**DUP03202013**					
Phosphate, Ortho		1760	1000	190	mg/l	EPA 365.3

(a) Elevated reporting limit(s) due to matrix interference.
(b) Dilution required due to matrix interference.
(c) Sample exceeded hold time due to reanalysis.
(d) Field analysis required. Received out of hold time and analyzed by request.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA2878-1	**Date Sampled:**	03/20/13
Matrix:	AQ - Ground Water	**Date Received:**	03/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1410	1.0	0.075	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	0.065 U	0.12	0.065	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	0.253	0.050	0.013	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	3.27	0.025	0.0025	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium [a]	588	5.0	0.25	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	3.00	0.050	0.010	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	1460	1.5	0.15	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	1020	25	0.37	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	409	50	1.0	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	0.0228 J	0.050	0.010	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	834	200	10	mg/l	20	03/28/13	04/03/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10642
(2) Instrument QC Batch: MA10649
(3) Prep QC Batch: MP24867

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA2878-1	**Date Sampled:**	03/20/13
Matrix:	AQ - Ground Water	**Date Received:**	03/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	03/30/13 11:00	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/30/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	03/30/13 11:00	AC	SM19 2320B
Chloride [a]	94.5 J	200	80	mg/l	100	03/21/13 13:50	AA	EPA 300/SW846 9056A
Fluoride	2220	100	30	mg/l	500	03/25/13 18:24	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	03/21/13 13:50	AA	EPA 300/SW846 9056A
Phosphorus, Total	2220	1000	280	mg/l	10000	03/27/13 10:25	LE	EPA 365.3
Solids, Total Dissolved [b]	26100	2000	200	mg/l	20	04/09/13	KC	SM19 2540C
Specific Conductivity	12700	1.0	1.0	umhos/cm	1	03/21/13 13:15	LE	EPA 120.1
Sulfate	11500	400	120	mg/l	200	03/22/13 03:05	AA	EPA 300/SW846 9056A
pH [c]	2.26			su	1	03/21/13 13:25	LE	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample exceeded hold time due to reanalysis.
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	A-34-022		
Lab Sample ID:	FA2878-1F	**Date Sampled:**	03/20/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	1870	1000	190	mg/l	10000	03/21/13 13:50	JA	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP03202013		
Lab Sample ID:	FA2878-2	**Date Sampled:**	03/20/13
Matrix:	AQ - Ground Water	**Date Received:**	03/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1340	1.0	0.075	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Antimony [a]	0.065 U	0.12	0.065	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Arsenic [a]	0.249	0.050	0.013	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Cadmium [a]	3.13	0.025	0.0025	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Calcium [a]	559	5.0	0.25	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Chromium [a]	2.88	0.050	0.010	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Iron	1380	1.5	0.15	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Magnesium	964	25	0.37	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Potassium	387	50	1.0	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Selenium [a]	0.0299 J	0.050	0.010	mg/l	5	03/28/13	04/01/13	LM	SW846 6010C [1]	SW846 3010A [3]
Sodium	793	200	10	mg/l	20	03/28/13	04/03/13	LM	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA10642
(2) Instrument QC Batch: MA10649
(3) Prep QC Batch: MP24867

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP03202013		
Lab Sample ID:	FA2878-2	**Date Sampled:**	03/20/13
Matrix:	AQ - Ground Water	**Date Received:**	03/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	5.0 U	5.0	5.0	mg/l	1	03/30/13 11:00	AC	SM18 4500CO2D
Alkalinity, Carbonate	5.0 U	5.0	5.0	mg/l	1	03/30/13	AC	SM18 4500CO2D
Alkalinity, Total as CaCO3	0.60 U	5.0	0.60	mg/l	1	03/30/13 11:00	AC	SM19 2320B
Chloride [a]	80 U	200	80	mg/l	100	03/21/13 14:06	AA	EPA 300/SW846 9056A
Fluoride	2040	100	30	mg/l	500	03/25/13 18:41	AA	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	5.0 U	10	5.0	mg/l	100	03/21/13 14:06	AA	EPA 300/SW846 9056A
Phosphorus, Total	2110	1000	280	mg/l	10000	03/27/13 10:25	LE	EPA 365.3
Solids, Total Dissolved [b]	25000	2000	200	mg/l	20	04/09/13	KC	SM19 2540C
Specific Conductivity	13000	1.0	1.0	umhos/cm	1	03/21/13 13:15	LE	EPA 120.1
Sulfate	11200	400	120	mg/l	200	03/22/13 03:21	AA	EPA 300/SW846 9056A
pH [c]	2.24			su	1	03/21/13 13:25	LE	SM 4500H B/SW 9040C

(a) Dilution required due to matrix interference.
(b) Sample exceeded hold time due to reanalysis.
(c) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP03202013		
Lab Sample ID:	FA2878-2F	**Date Sampled:**	03/20/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/21/13
		Percent Solids:	n/a
Project:	Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Phosphate, Ortho	1760	1000	190	mg/l	10000	03/21/13 13:50	JA	EPA 365.3

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA2878 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: WSP ENV + ENG
Address: 205 W. PARK ST.
City: JACKSON State: MO Zip: 63755
Project Contact: TIM HUFF E-mail: TIM.HUFF@WSPGROUP.COM
Phone#: 573-217-6759
Sampler(s) Name(s) (Printed): TIM HUFF

Project Information

Project Name: AGRIUM
Street
City State
Project #
Fax #
Client Purchase Order #

Analytical Information: SEE ATTACHED

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	Oil Water	MeOH	SEE ATTACHED	LAB USE ONLY
1	A-34-022	03/20/13	1355	TP	GW	4		X			X	X				X	
2	DUP03201013	03/20/13	1420	TP	GW	4		X			X	X				X	

TURNAROUND TIME (Business Days)

- [X] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Approved By: / Rush Code

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	03/20/13 1530	2 FX	3 FX	3-21-13	4 Connie (ABC) 09:30
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 1 Cooler Temperature (s) Celsius: 3.6

FA2878: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 2878 CLIENT: WSP PROJECT: AGRIUM

DATE/TIME RECEIVED: 3-21-13 09:30 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8017 3227 8944

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 3.2
- [ ] CORRECTED TEMPS: 3.6

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 3-21-13 REVIEWER SIGNATURE/DATE 03/21/13

NF 12/10

receipt confirmation 122910.xls

5.1

5

FA2878: Chain of Custody

Page 2 of 3

Metals and O-Phos - Field Filtered

Note: A-34-022 High Phosphate

Analyte List #2 (groundwater samples and groundwater sampling equipment blanks)

- total dissolved solids (TDS)
- Total metals - aluminum, antimony, arsenic, cadmium, calcium, chromium, iron, magnesium, potassium, selenium, and sodium
- chloride, fluoride, nitrate as N, and sulfate
- pH
- total phosphorous
- dissolved orthophosphate
- bicarbonate and carbonate alkalinity as $CaCO_3$
- specific conductance

NOTE – If turbidity at the time of sampling is greater than 50 NTU, collect dissolved metals sample and submit to laboratory ON HOLD for the same analyte list as the total metals sample.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10634
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:47	MA10634-STD1	1		STDA
07:51	MA10634-STD2	1		STDB
07:54	MA10634-STD3	1		STDC
07:58	MA10634-STD4	1		STDD
08:05	MA10634-HSTD1	1		
08:14	MA10634-ICV1	1		
08:21	MA10634-ICB1	1		
08:25	MA10634-CRIA1	1		
08:35	MA10634-ICSA1	1		
08:49	MA10634-ICSAB1	1		
08:58	MA10634-CCV1	1		
09:04	MA10634-CCB1	1		
09:10	MP24851-PS1	4		
09:15	MP24860-MB1	1		
09:19	MP24860-B1	1		
09:23	FA3055-1	1		(sample used for QC only; not part of login FA2878)
09:28	MP24860-D1	1		
09:33	MP24860-SD1	5		
09:37	MP24860-PS1	1		
09:42	MP24860-S1	1		
09:46	MP24860-S2	1		
09:50	ZZZZZZ	1		
09:55	MA10634-CCV2	1		
09:59	MA10634-CCB2	1		
10:04	ZZZZZZ	1		
10:08	ZZZZZZ	1		
10:13	ZZZZZZ	1		
10:17	ZZZZZZ	1		
10:22	ZZZZZZ	1		
10:26	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:36	ZZZZZZ	1		
10:40	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10634
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:45	ZZZZZZ	1		
10:49	MA10634-CCV3	1		
10:54	MA10634-CCB3	1		
11:14	MA10634-CCV4	1		
11:19	MA10634-CCB4	1		
11:23	ZZZZZZ	1		
11:27	ZZZZZZ	1		
11:31	ZZZZZZ	1		
11:36	ZZZZZZ	1		
11:40	ZZZZZZ	1		
11:45	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:54	ZZZZZZ	1		
11:58	MP24861-MB1	1		
12:03	MP24861-B1	1		
12:07	MA10634-CCV5	1		
12:11	MA10634-CCB5	1		
12:16	FA2891-1	1		(sample used for QC only; not part of login FA2878)
12:20	MP24861-D1	1		
12:25	MP24861-SD1	5		
12:29	MP24861-PS1	1		
12:33	MP24861-S1	1		
12:37	MP24861-S2	1		
12:42	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:56	ZZZZZZ	1		
13:01	MA10634-CCV6	1		
13:05	MA10634-CCB6	1		
13:09	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:19	ZZZZZZ	5		
13:23	ZZZZZZ	5		
13:28	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10634
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:33	ZZZZZZ	5		
13:38	ZZZZZZ	5		
13:42	ZZZZZZ	5		
13:47	ZZZZZZ	5		
13:52	ZZZZZZ	5		
13:57	MA10634-CCV7	1		
14:01	MA10634-CCB7	1		
14:05	ZZZZZZ	5		
14:10	ZZZZZZ	5		
14:15	ZZZZZZ	5		
14:20	ZZZZZZ	5		
14:24	ZZZZZZ	5		
14:29	ZZZZZZ	4		
14:34	ZZZZZZ	2		
14:38	ZZZZZZ	2		
14:42	ZZZZZZ	2		
14:47	FA2806-5	2		(sample used for QC only; not part of login FA2878)
14:51	MA10634-CCV8	1		
14:55	MA10634-CCB8	1		
15:00	MP24850-D1	2		
15:04	MP24850-S1	2		
15:08	MP24850-S2	2		
15:13	MP24850-PS1	2		
15:17	MP24850-SD1	10		
15:21	ZZZZZZ	4		
15:26	ZZZZZZ	2		
15:30	ZZZZZZ	2		
15:34	ZZZZZZ	4		
15:39	ZZZZZZ	2		
15:43	MA10634-CCV9	1		
15:47	MA10634-CCB9	1		
16:09	MA10634-CCV10	1		
16:13	MA10634-CCB10	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10634
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:17	ZZZZZZ	4		
16:22	ZZZZZZ	4		
16:26	ZZZZZZ	2		
16:30	ZZZZZZ	2		
16:35	ZZZZZZ	2		
16:39	ZZZZZZ	2		
16:43	ZZZZZZ	2		
16:48	ZZZZZZ	2		
16:52	ZZZZZZ	4		
16:56	ZZZZZZ	4		
17:01	MA10634-CCV11	1		
17:05	MA10634-CCB11	1		
17:09	MP24867-MB1	1		
17:14	MP24867-B1	1		
17:18	FA2933-1	1		(sample used for QC only; not part of login FA2878)
17:23	MP24867-D1	1		
17:27	MP24867-SD1	5		
17:32	MP24867-PS1	1		
17:36	MP24867-S1	1		
17:40	MP24867-S2	1		
17:44	ZZZZZZ	1		
17:49	ZZZZZZ	1		
17:53	MA10634-CCV12	1		
17:58	MA10634-CCB12	1		
18:02	ZZZZZZ	1		
18:07	ZZZZZZ	1		
18:11	ZZZZZZ	1		
18:16	ZZZZZZ	1		
18:20	ZZZZZZ	1		
18:25	ZZZZZZ	1		
18:29	ZZZZZZ	1		
18:34	ZZZZZZ	1		
18:38	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10634
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	18:43	ZZZZZZ	1		
	18:47	MA10634-CCV13	1		
	18:51	MA10634-CCB13	1		
	18:56	ZZZZZZ	1		
	19:01	ZZZZZZ	1		
	19:05	ZZZZZZ	1		
	19:10	ZZZZZZ	1		
	19:14	ZZZZZZ	1		
	19:29	MP24867-MB2A	1		
---------->	Last reportable sample/prep for job FA2878				
	19:34	MA10634-CRIA2	1		
	19:38	MA10634-ICSA2	1		
	19:43	MA10634-CCV14	1		
	19:47	MA10634-CCB14	1		
	19:52	MA10634-ICSAB2	1		
	19:56	MA10634-CCV15	1		
	20:00	MA10634-CCB15	1		
---------->	Last reportable CCB for job FA2878				

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10634
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:47	MA10634-STD1	2555	14108	9302	1014
07:51	MA10634-STD2	2548	14203	9193	1019
07:54	MA10634-STD3	2535	14576	9325	1027
07:58	MA10634-STD4	2452	14288	9099	996
08:05	MA10634-HSTD1	2454	14458	9220	1004
08:14	MA10634-ICV1	2508	14243	9193	1013
08:21	MA10634-ICB1	2565 R	13938 R	9164 R	1008 R
08:25	MA10634-CRIA1	2586	14196	9261	1020
08:35	MA10634-ICSA1	2397	13765	8926	1008
08:49	MA10634-ICSAB1	2389	13596	8819	991
08:58	MA10634-CCV1	2493	13794	9048	995
09:04	MA10634-CCB1	2538	13585	9051	989
09:10	MP24851-PS1	2558	13688	8974	1009
09:15	MP24860-MB1	2547	13747	9353	993
09:19	MP24860-B1	2541	13837	9153	1015
09:23	FA3055-1	2514	13937	9026	1004
09:28	MP24860-D1	2522	13915	9110	1007
09:33	MP24860-SD1	2540	13725	9043	997
09:37	MP24860-PS1	2521	13771	9102	1005
09:42	MP24860-S1	2487	13640	9048	995
09:46	MP24860-S2	2487	13614	9047	998
09:50	ZZZZZZ	2506	13680	8999	996
09:55	MA10634-CCV2	2464	13558	8877	979
09:59	MA10634-CCB2	2492	13314	8848	981
10:04	ZZZZZZ	2492	13867	9010	1001
10:08	ZZZZZZ	2511	13950	9078	1001
10:13	ZZZZZZ	2502	13912	9066	1001
10:17	ZZZZZZ	2508	13921	9097	1000
10:22	ZZZZZZ	2506	13904	9119	998
10:26	ZZZZZZ	2509	13883	9026	1000
10:31	ZZZZZZ	2503	13683	9036	992
10:36	ZZZZZZ	2505	13643	9079	989
10:40	ZZZZZZ	2483	13520	9099	985

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10634
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:45	ZZZZZZ	2496	13536	8923	988
10:49	MA10634-CCV3	2425	13257	8658	962
10:54	MA10634-CCB3	2468	13167	8687	968
11:14	MA10634-CCV4	2452	13539	8904	970
11:19	MA10634-CCB4	2488	13163	8875	962
11:23	ZZZZZZ	2513	13502	9027	989
11:27	ZZZZZZ	2492	13338	8853	985
11:31	ZZZZZZ	2481	13574	9028	990
11:36	ZZZZZZ	2475	13758	8965	988
11:40	ZZZZZZ	2496	13630	9137	985
11:45	ZZZZZZ	2512	13614	9144	992
11:49	ZZZZZZ	2496	13464	9033	982
11:54	ZZZZZZ	2500	13622	8987	987
11:58	MP24861-MB1	2463	13120	8823	966
12:03	MP24861-B1	2456	13299	8583	985
12:07	MA10634-CCV5	2419	13561	8786	973
12:11	MA10634-CCB5	2458	13491	8952	966
12:16	FA2891-1	2647	14490	9682	1005
12:20	MP24861-D1	2652	14350	9528	995
12:25	MP24861-SD1	2545	13680	9092	993
12:29	MP24861-PS1	2603	14319	9226	1004
12:33	MP24861-S1	2566	14279	9304	995
12:37	MP24861-S2	2565	14308	9349	990
12:42	ZZZZZZ	2846	15520	10254	986
12:46	ZZZZZZ	2769	14882	9828	986
12:56	ZZZZZZ	2387	13554	8354	976
13:01	MA10634-CCV6	2396	13586	8673	965
13:05	MA10634-CCB6	2450	13457	8870	960
13:09	ZZZZZZ	2339	13572	8309	945
13:14	ZZZZZZ	3012	16537	10656	994
13:19	ZZZZZZ	2362	13792	8254	956
13:23	ZZZZZZ	2367	13888	8399	956
13:28	ZZZZZZ	2413	14069	8578	946

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10634
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:33	ZZZZZZ	2468	14195	8752	951
13:38	ZZZZZZ	2449	14180	8493	961
13:42	ZZZZZZ	2331	13822	8195	949
13:47	ZZZZZZ	2364	13961	8396	930
13:52	ZZZZZZ	2399	13912	8461	951
13:57	MA10634-CCV7	2351	13249	8204	955
14:01	MA10634-CCB7	2375	13228	8566	945
14:05	ZZZZZZ	2349	13935	8349	942
14:10	ZZZZZZ	2337	13809	8195	942
14:15	ZZZZZZ	2317	13558	8080	949
14:20	ZZZZZZ	2385	14166	8377	949
14:24	ZZZZZZ	2410	14332	8533	956
14:29	ZZZZZZ	2651	15491	9690	961
14:34	ZZZZZZ	2863	16250	10333	989
14:38	ZZZZZZ	2921	16660	10339	986
14:42	ZZZZZZ	2752	15852	9993	980
14:47	FA2806-5	2884	16464	10429	981
14:51	MA10634-CCV8	2366	13698	8546	947
14:55	MA10634-CCB8	2400	13431	8474	952
15:00	MP24850-D1	2860	16484	10422	980
15:04	MP24850-S1	2781	16014	10125	977
15:08	MP24850-S2	2828	16185	10226	976
15:13	MP24850-PS1	2844	16255	10061	978
15:17	MP24850-SD1	2598	14867	9340	973
15:21	ZZZZZZ	2860	16512	10391	987
15:26	ZZZZZZ	3094	17961	11285	982
15:30	ZZZZZZ	2872	16607	10244	974
15:34	ZZZZZZ	2799	16132	9994	988
15:39	ZZZZZZ	2842	16683	10298	973
15:43	MA10634-CCV9	2358	13858	8560	948
15:47	MA10634-CCB9	2380	13511	8504	943
16:09	MA10634-CCV10	2325	13611	8326	945
16:13	MA10634-CCB10	2347	13483	8420	942

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10634
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:17	ZZZZZZ	2761	16233	10100	982
16:22	ZZZZZZ	2865	16697	10443	981
16:26	ZZZZZZ	2903	16797	10461	973
16:30	ZZZZZZ	2850	16690	10231	981
16:35	ZZZZZZ	2990	17651	10978	981
16:39	ZZZZZZ	2932	17302	10817	969
16:43	ZZZZZZ	2815	16361	10164	978
16:48	ZZZZZZ	2813	16315	9988	978
16:52	ZZZZZZ	2780	16413	10089	982
16:56	ZZZZZZ	2707	16005	9946	977
17:01	MA10634-CCV11	2334	13872	8571	940
17:05	MA10634-CCB11	2359	13518	8422	939
17:09	MP24867-MB1	2325	13466	8412	940
17:14	MP24867-B1	2338	13858	8508	960
17:18	FA2933-1	2360	13890	8786	952
17:23	MP24867-D1	2357	13795	8769	940
17:27	MP24867-SD1	2365	13472	8421	944
17:32	MP24867-PS1	2306	13426	8314	943
17:36	MP24867-S1	2304	13668	8413	949
17:40	MP24867-S2	2322	13900	8629	952
17:44	ZZZZZZ	2370	13835	8704	950
17:49	ZZZZZZ	2345	13593	8446	953
17:53	MA10634-CCV12	2260	13497	8130	935
17:58	MA10634-CCB12	2327	13607	8427	939
18:02	ZZZZZZ	2340	13667	8639	933
18:07	ZZZZZZ	2350	13664	8552	943
18:11	ZZZZZZ	2343	13832	8273	968
18:16	ZZZZZZ	1802	12540	6968	735
18:20	ZZZZZZ	2336	13755	8724	940
18:25	ZZZZZZ	2366	13665	8636	945
18:29	ZZZZZZ	2371	13666	8480	941
18:34	ZZZZZZ	2323	13627	8395	956
18:38	ZZZZZZ	2343	13718	8689	943

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10634
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se,Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:43	ZZZZZZ	2360	13732	8660	948
18:47	MA10634-CCV13	2298	13622	8380	932
18:51	MA10634-CCB13	2322	13318	8282	933
18:56	ZZZZZZ	2330	13699	8178	968
19:01	ZZZZZZ	1804	12559	7034	734
19:05	ZZZZZZ	2362	13688	8610	939
19:10	ZZZZZZ	2342	13525	8421	944
19:14	ZZZZZZ	2324	13532	8295	939
19:29	MP24867-MB2A	2319	13497	8356	940
19:34	MA10634-CRIA2	2337	13691	8144	951
19:38	MA10634-ICSA2	2185	13396	8054	943
19:43	MA10634-CCV14	2274	13596	8181	924
19:47	MA10634-CCB14	2329	13297	8166	930
19:52	MA10634-ICSAB2	2164	13125	7760	933
19:56	MA10634-CCV15	2261	13630	8051	930
20:00	MA10634-CCB15	2308	13360	8164	924

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10634 Units: ug/l

Time:			08:21		09:04		09:59		10:54	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	6.9	<200	5.3	<200	12.0	<200	11.9	<200
Antimony	6.0	1.3	1.1	<20	0.20	<20	0.70	<6.0	1.1	<6.0
Arsenic	10	1.6	-0.40	<10	-0.10	<10	-0.60	<10	-0.70	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	4.0	.5	0.0	<4.0	0.0	<4.0	0.0	<5.0	0.20	<5.0
Calcium	1000	50	1.2	<5000	31.4	<5000	31.4	<1000	33.4	<1000
Chromium	10	1.8	-0.40	<10	0.10	<10	0.10	<10	0.50	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-4.3	<300	15.1	<300	19.7	<300	24.6	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	0.80	<5000	1.8	<5000	5.4	<5000	6.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6	anr							
Nickel	40	.5	anr							
Potassium	10000	200	29.1	<10000	19.2	<10000	54.8	<10000	22.2	<10000
Selenium	10	2	-1.3	<20	-1.9	<20	-0.90	<10	-0.90	<10
Silver	10	.5	anr							
Sodium	10000	500	5.4	<10000	21.6	<10000	33.5	<10000	12.7	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7	anr							
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10634 Units: ug/l

Time:			11:19		12:11		13:05		14:01	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	4.9	<200	2.3	<200	10.0	<200	9.3	<200
Antimony	6.0	1.3	1.2	<6.0	1.3	<6.0	0.50	<6.0	1.6	<6.0
Arsenic	10	1.6	0.10	<10	2.0	<10	0.80	<10	1.3	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	4.0	.5	0.20	<5.0	0.20	<5.0	0.20	<5.0	0.20	<5.0
Calcium	1000	50	32.6	<1000	17.5	<1000	28.1	<1000	47.2	<1000
Chromium	10	1.8	0.30	<10	0.40	<10	0.20	<10	0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	25.0	<300	30.8	<300	21.4	<300	20.2	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	13.4	<5000	8.0	<5000	15.2	<5000	9.5	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	24.7	<10000	8.5	<10000	18.8	<10000	34.4	<10000
Selenium	10	2	-0.30	<10	0.80	<10	0.10	<10	-0.90	<10
Silver	10	.5	anr							
Sodium	10000	500	19.2	<10000	14.6	<10000	21.0	<10000	13.3	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10634 Units: ug/l

Time:			14:55		15:47		16:13		17:05	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.4	<200	6.7	<200	8.4	<200	0.20	<200
Antimony	6.0	1.3	2.2	<6.0	1.0	<6.0	0.50	<6.0	-0.80	<6.0
Arsenic	10	1.6	1.2	<10	1.1	<10	0.20	<10	-0.40	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	4.0	.5	0.0	<5.0	0.10	<5.0	0.30	<5.0	0.20	<5.0
Calcium	1000	50	5.7	<1000	4.6	<1000	30.3	<1000	6.6	<1000
Chromium	10	1.8	0.20	<10	0.10	<10	-0.10	<10	0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	12.8	<300	14.0	<300	22.8	<300	14.7	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	9.5	<5000	6.4	<5000	3.6	<5000	1.4	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-3.9	<10000	26.7	<10000	41.2	<10000	45.1	<10000
Selenium	10	2	0.50	<10	-1.3	<10	0.70	<10	1.0	<10
Silver	10	.5	anr							
Sodium	10000	500	-1.8	<10000	3.6	<10000	30.9	<10000	16.3	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10634 Units: ug/l

Time:			17:58		18:51		19:47		20:00	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	4.4	<200	6.1	<200	8.2	<200	9.7	<200
Antimony	6.0	1.3	-1.4	<6.0	-0.10	<6.0	-0.70	<6.0	0.20	<6.0
Arsenic	10	1.6	0.40	<10	0.0	<10	-0.40	<10	-0.20	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	4.0	.5	0.20	<5.0	0.30	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	6.8	<1000	7.7	<1000	7.6	<1000	7.8	<1000
Chromium	10	1.8	0.20	<10	0.30	<10	-0.30	<10	0.0	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	15.6	<300	17.7	<300	23.1	<300	23.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	4.9	<5000	6.4	<5000	10.4	<5000	11.8	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	54.3	<10000	54.2	<10000	146	<10000	107	<10000
Selenium	10	2	1.4	<10	-0.50	<10	0.10	<10	-0.10	<10
Silver	10	.5	anr							
Sodium	10000	500	13.7	<10000	219	<10000	221	<10000	173	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10634 Units: ug/l

Time:		08:14			08:58			09:55	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	42000	105.0	40000	42900	107.3
Antimony	2000	1990	99.5	2000	2020	101.0	2000	2040	102.0
Arsenic	2000	1970	98.5	2000	2010	100.5	2000	2030	101.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2000	100.0	2000	2020	101.0	2000	2040	102.0
Calcium	40000	40900	102.3	40000	41400	103.5	40000	42100	105.3
Chromium	2000	2040	102.0	2000	2070	103.5	2000	2100	105.0
Cobalt	anr								
Copper	anr								
Iron	40000	40400	101.0	40000	40500	101.3	40000	40900	102.3
Lead	anr								
Magnesium	40000	38500	96.3	40000	40900	102.3	40000	41800	104.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	40000	40400	101.0	40000	41500	103.8	40000	42200	105.5
Selenium	2000	2000	100.0	2000	2010	100.5	2000	2020	101.0
Silver	anr								
Sodium	40000	40600	101.5	40000	41400	103.5	40000	42000	105.0
Strontium									
Thallium	anr								
Tin	anr								
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10634 Units: ug/l

Time:		10:49			11:14			12:07	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	43900	109.8	40000	40500	101.3	40000	40500	101.3
Antimony	2000	2080	104.0	2000	1990	99.5	2000	2020	101.0
Arsenic	2000	2060	103.0	2000	1980	99.0	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2070	103.5	2000	2010	100.5	2000	2050	102.5
Calcium	40000	43000	107.5	40000	40700	101.8	40000	40900	102.3
Chromium	2000	2150	107.5	2000	2030	101.5	2000	2050	102.5
Cobalt	anr								
Copper	anr								
Iron	40000	41700	104.3	40000	40600	101.5	40000	41300	103.3
Lead	anr								
Magnesium	40000	42800	107.0	40000	40500	101.3	40000	40900	102.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	43100	107.8	40000	40500	101.3	40000	40600	101.5
Selenium	2000	2050	102.5	2000	1990	99.5	2000	2030	101.5
Silver	anr								
Sodium	40000	43000	107.5	40000	40500	101.3	40000	40800	102.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10634 Units: ug/l

Time:		13:01			13:57			14:51	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40500	101.3	40000	40900	102.3	40000	39900	99.8
Antimony	2000	2050	102.5	2000	2060	103.0	2000	2050	102.5
Arsenic	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2080	104.0	2000	2080	104.0	2000	2080	104.0
Calcium	40000	41100	102.8	40000	41100	102.8	40000	40500	101.3
Chromium	2000	2070	103.5	2000	2080	104.0	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Iron	40000	41600	104.0	40000	41500	103.8	40000	40700	101.8
Lead	anr								
Magnesium	40000	41000	102.5	40000	40900	102.3	40000	39700	99.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41000	102.5	40000	42200	105.5	40000	41900	104.8
Selenium	2000	2060	103.0	2000	2070	103.5	2000	2070	103.5
Silver	anr								
Sodium	40000	41100	102.8	40000	42100	105.3	40000	41700	104.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10634 Units: ug/l

Time:		15:43			16:09			17:01	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	40100	100.3	40000	40200	100.5
Antimony	2000	2080	104.0	2000	1990	99.5	2000	2010	100.5
Arsenic	2000	2080	104.0	2000	1990	99.5	2000	2000	100.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2110	105.5	2000	2010	100.5	2000	2040	102.0
Calcium	40000	40400	101.0	40000	40500	101.3	40000	40700	101.8
Chromium	2000	2040	102.0	2000	2050	102.5	2000	2040	102.0
Cobalt	anr								
Copper	anr								
Iron	40000	41000	102.5	40000	40800	102.0	40000	40600	101.5
Lead	anr								
Magnesium	40000	39600	99.0	40000	40800	102.0	40000	40300	100.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	41700	104.3	40000	40100	100.3	40000	40300	100.8
Selenium	2000	2110	105.5	2000	2000	100.0	2000	2020	101.0
Silver	anr								
Sodium	40000	41500	103.8	40000	40000	100.0	40000	40400	101.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10634 Units: ug/l

Time:		17:53			18:47			19:43	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40500	101.3	40000	41000	102.5
Antimony	2000	2050	102.5	2000	2020	101.0	2000	2080	104.0
Arsenic	2000	2050	102.5	2000	2020	101.0	2000	2070	103.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2070	103.5	2000	2050	102.5	2000	2100	105.0
Calcium	40000	40400	101.0	40000	40800	102.0	40000	40900	102.3
Chromium	2000	2070	103.5	2000	2050	102.5	2000	2090	104.5
Cobalt	anr								
Copper	anr								
Iron	40000	41500	103.8	40000	39900	99.8	40000	39400	98.5
Lead	anr								
Magnesium	40000	40900	102.3	40000	40300	100.8	40000	39700	99.3
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40200	100.5	40000	40400	101.0	40000	41600	104.0
Selenium	2000	2060	103.0	2000	2020	101.0	2000	2090	104.5
Silver	anr								
Sodium	40000	40300	100.8	40000	39700	99.3	40000	40200	100.5
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10634 Units: ug/l

Time:		19:56	
Sample ID:	CCV	CCV15	
Metal	True	Results	% Rec
Aluminum	40000	40500	101.3
Antimony	2000	2070	103.5
Arsenic	2000	2080	104.0
Barium	anr		
Beryllium	anr		
Cadmium	2000	2100	105.0
Calcium	40000	40400	101.0
Chromium	2000	2080	104.0
Cobalt	anr		
Copper	anr		
Iron	40000	39500	98.8
Lead	anr		
Magnesium	40000	39500	98.8
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	40000	41300	103.3
Selenium	2000	2090	104.5
Silver	anr		
Sodium	40000	40300	100.8
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10634 Units: ug/l

Time:		08:05	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	79800	99.8
Antimony	4000	4040	101.0
Arsenic	4000	4050	101.3
Barium	anr		
Beryllium	anr		
Cadmium	4000	3990	99.8
Calcium	80000	79000	98.8
Chromium	4000	3940	98.5
Cobalt	anr		
Copper	anr		
Iron	80000	78600	98.3
Lead	anr		
Magnesium	80000	78800	98.5
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	80000	79800	99.8
Selenium	4000	4030	100.8
Silver	anr		
Sodium	80000	79800	99.8
Strontium			
Thallium	anr		
Tin	anr		
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10634 Units: ug/l

Time:			08:25		19:34	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	204	102.0	209	104.5
Antimony	10	5.0	5.6	112.0	3.8	76.0
Arsenic	20	10	10.5	105.0	10.1	101.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	4.9	98.0	5.1	102.0
Calcium	2000	1000	1030	103.0	1010	101.0
Chromium	20	10	10.8	108.0	10.5	105.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	302	100.7	322	107.3
Lead	10	5.0	anr			
Magnesium	10000	5000	5040	100.8	4890	97.8
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	10100	101.0	10400	104.0
Selenium	20	10	8.4	84.0	10.5	105.0
Silver	20	10	anr			
Sodium	20000	10000	10100	101.0	10100	101.0
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA032813M1.ICP Date Analyzed: 03/28/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10634 Units: ug/l

Time:			08:35		08:49		19:38		19:52	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	500000	100.0	503000	100.6	495000	99.0	486000	97.2
Antimony		1000	0.0		1030	103.0	-6.6		1060	106.0
Arsenic		1000	-0.70		1000	100.0	0.40		1030	103.0
Barium		500	-0.20		529	105.8	-0.20		542	108.4
Beryllium		500	-0.10		502	100.4	-0.10		496	99.2
Cadmium		1000	0.0		961	96.1	0.60		985	98.5
Calcium	500000	500000	466000	93.2	464000	92.8	456000	91.2	457000	91.4
Chromium		500	-0.50		492	98.4	-0.20		498	99.6
Cobalt		500	-0.90		488	97.6	-1.2		512	102.4
Copper		500	0.40		589	117.8	-1.1		558	111.6
Iron	200000	200000	184000	92.0	189000	94.5	178000	89.0	183000	91.5
Lead		1000	0.40		971	97.1	3.7		952	95.2
Magnesium	500000	500000	483000	96.6	485000	97.0	464000	92.8	468000	93.6
Manganese		500	0.0		510	102.0	-0.50		516	103.2
Molybdenum		1000	0.50		941	94.1	0.10		994	99.4
Nickel		1000	-0.30		992	99.2	-1.0		1000	100.0
Potassium			56.4		55.9		604		299	
Selenium		1000	0.20		998	99.8	-0.10		1030	103.0
Silver		1000	0.0		1050	105.0	-1.0		968	96.8
Sodium			109		130		713		426	
Strontium		1000	12.0		1010	101.0	12.4		1010	101.0
Thallium		1000	-0.80		1010	101.0	-1.7		991	99.1
Tin		1000	-0.70		932	93.2	0.20		926	92.6
Titanium		1000	-5.1		1010	101.0	-4.2		998	99.8
Vanadium		500	0.70		504	100.8	1.6		487	97.4
Zinc		1000	-0.30		945	94.5	0.10		951	95.1

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10642
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:28	MA10642-STD1	1		STDA
08:32	MA10642-STD2	1		STDB
08:36	MA10642-STD3	1		STDC
08:39	MA10642-STD4	1		STDD
08:43	MA10642-HSTD1	1		
08:52	MA10642-ICV1	1		
08:58	MA10642-ICB1	1		
09:02	MA10642-CRIA1	1		
09:11	MA10642-ICSA1	1		
09:22	MA10642-ICSAB1	1		
09:33	MA10642-CCV1	1		
09:48	MA10642-CCB1	1		
09:53	MP24875-MB1	1		
09:57	MP24875-B1	1		
10:02	FA3197-1	1		(sample used for QC only; not part of login FA2878)
10:06	MP24875-D1	1		
10:11	MP24875-SD1	5		
10:11	MP24875-PS1	1		
10:15	MP24875-PS1	1		
10:15	MP24875-SD1	5		
10:19	MP24875-S1	1		
10:24	MP24875-S2	1		
10:28	FA3083-14	10		(sample used for QC only; not part of login FA2878)
10:32	MP24864-D1	10		
10:37	MA10642-CCV2	1		
10:41	MA10642-CCB2	1		
10:46	MP24864-S1	10		
10:50	MP24864-S2	10		
10:54	MP24864-PS1	10		
10:59	MP24864-SD1	50		
11:03	ZZZZZZ	4		
11:08	ZZZZZZ	4		
11:12	ZZZZZZ	4		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10642
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:17	MP24880-MB1	1		
11:21	MP24880-B1	1		
11:26	FA3245-1	1		(sample used for QC only; not part of login FA2878)
11:30	MA10642-CCV3	1		
11:34	MA10642-CCB3	1		
11:39	MP24880-D1	1		
11:43	MP24880-SD1	5		
11:48	MP24880-PS1	1		
11:52	MP24880-S1	1		
11:56	MP24880-S2	1		
12:01	ZZZZZZ	1		
12:05	ZZZZZZ	1		
12:10	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:23	MA10642-CCV4	1		
12:28	MA10642-CCB4	1		
12:32	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:55	ZZZZZZ	1		
12:59	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:13	ZZZZZZ	10		
13:17	MA10642-CCV5	1		
13:22	MA10642-CCB5	1		
13:52	MA10642-CCV6	1		
14:01	MA10642-CCB6	1		
14:05	ZZZZZZ	5		
14:09	ZZZZZZ	4		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10642
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	14:14	ZZZZZZ	200		
	14:18	ZZZZZZ	100		
	14:23	FA2878-1	5		
	14:28	FA2878-2	5		
---------->	Last reportable sample/prep for job FA2878				
	14:33	MP24850-SD1	10		
	14:37	MP24874-SD1	5		
	14:42	MP24881-MB1	1		
	14:46	MP24881-B1	1		
	14:51	MA10642-CCV7	1		
	14:55	MA10642-CCB7	1		
	14:59	FA2914-5	1		(sample used for QC only; not part of login FA2878)
	15:04	MP24881-D1	1		
	15:08	MP24881-SD1	5		
	15:13	MP24881-PS1	1		
	15:17	MP24881-S1	1		
	15:22	MP24881-S2	1		
	15:26	ZZZZZZ	1		
	15:31	ZZZZZZ	1		
	15:35	ZZZZZZ	1		
	15:40	ZZZZZZ	1		
	15:44	MA10642-CCV8	1		
	15:48	MA10642-CCB8	1		
	15:53	ZZZZZZ	1		
	15:57	ZZZZZZ	1		
	16:02	ZZZZZZ	1		
	16:06	ZZZZZZ	1		
	16:11	ZZZZZZ	1		
	16:16	ZZZZZZ	1		
	16:20	ZZZZZZ	1		
	16:25	ZZZZZZ	1		
	16:29	ZZZZZZ	1		
	16:34	ZZZZZZ	1		
	16:38	MA10642-CCV9	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10642
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:42	MA10642-CCB9	1		
16:47	ZZZZZZ	1		
16:51	ZZZZZZ	1		
16:56	ZZZZZZ	1		
17:00	ZZZZZZ	1		
17:05	ZZZZZZ	1		
17:32	MA10642-CCV10	1		
17:36	MA10642-CCB10	1		
18:21	MA10642-CRIA2	1		
18:25	MA10642-CCV11	1		
18:29	MA10642-CCB11	1		
18:34	MA10642-ICSA2	1		
18:39	MA10642-ICSAB2	1		
18:43	MA10642-CCV12	1		
18:47	MA10642-CCB12	1		

----------> Last reportable CCB for job FA2878
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10642
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:28	MA10642-STD1	1424	12037	6332	730
08:32	MA10642-STD2	1427	12218	6433	734
08:36	MA10642-STD3	1403	12153	6285	718
08:39	MA10642-STD4	1380	12159	6188	701
08:43	MA10642-HSTD1	1372	12158	6141	696
08:52	MA10642-ICV1	1412	12169	6250	722
08:58	MA10642-ICB1	1443 R	11991 R	6227 R	737 R
09:02	MA10642-CRIA1	1436	12143	6291	739
09:11	MA10642-ICSA1	1328	11642	5836	691
09:22	MA10642-ICSAB1	1335	11691	5914	683
09:33	MA10642-CCV1	1396	11921	6043	716
09:48	MA10642-CCB1	1430	11840	6140	725
09:53	MP24875-MB1	1423	12072	6211	723
09:57	MP24875-B1	1407	11982	6160	722
10:02	FA3197-1	1412	12041	6169	734
10:06	MP24875-D1	1411	12002	6101	736
10:11	MP24875-SD1	No results reported for the elements associated with this internal standard.			
10:11	MP24875-PS1	1401	12040	6179	728
10:15	MP24875-PS1	No results reported for the elements associated with this internal standard.			
10:15	MP24875-SD1	1410	12208	6321	732
10:19	MP24875-S1	1401	12240	6218	729
10:24	MP24875-S2	1399	12259	6177	732
10:28	FA3083-14	1397	12169	6222	739
10:32	MP24864-D1	1395	12148	6296	734
10:37	MA10642-CCV2	1381	12164	6162	714
10:41	MA10642-CCB2	1406	12008	6464	725
10:46	MP24864-S1	1397	12132	6198	735
10:50	MP24864-S2	1412	12296	6307	739
10:54	MP24864-PS1	1423	12355	6390	742
10:59	MP24864-SD1	1415	12108	6271	734
11:03	ZZZZZZ	1380	12374	6271	756
11:08	ZZZZZZ	1377	12312	6295	732
11:12	ZZZZZZ	1380	12286	6301	737

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10642
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:17	MP24880-MB1	1426	12106	6282	746
11:21	MP24880-B1	1388	12211	6186	742
11:26	FA3245-1	1591	13742	6894	743
11:30	MA10642-CCV3	1391	12260	6224	718
11:34	MA10642-CCB3	1414	12065	6234	733
11:39	MP24880-D1	1542	13278	6633	749
11:43	MP24880-SD1	1477	12754	6546	751
11:48	MP24880-PS1	1585	13610	6858	743
11:52	MP24880-S1	1514	13253	6642	743
11:56	MP24880-S2	1593	13911	6962	738
12:01	ZZZZZZ	1649	14416	7298	754
12:05	ZZZZZZ	1549	13883	6883	688
12:10	ZZZZZZ	1634	14993	7347	649
12:14	ZZZZZZ	1780	15945	7843	716
12:19	ZZZZZZ	1739	15235	7734	728
12:23	MA10642-CCV4	1387	12248	6195	719
12:28	MA10642-CCB4	1403	12083	6234	727
12:32	ZZZZZZ	1459	13152	6479	699
12:37	ZZZZZZ	1422	12951	6412	694
12:41	ZZZZZZ	1449	13278	6574	661
12:46	ZZZZZZ	1434	12479	6428	743
12:50	ZZZZZZ	1490	13110	6589	725
12:55	ZZZZZZ	1432	12948	6302	670
12:59	ZZZZZZ	1464	13248	6576	708
13:04	ZZZZZZ	1505	13082	6726	744
13:09	ZZZZZZ	1358	12184	6162	734
13:13	ZZZZZZ	1397	12395	6124	725
13:17	MA10642-CCV5	1352	12127	6060	711
13:22	MA10642-CCB5	1382	12161	6211	727
13:52	MA10642-CCV6	1346	11947	6035	705
14:01	MA10642-CCB6	1369	11890	6096	717
14:05	ZZZZZZ	1311	11965	5980	711
14:09	ZZZZZZ	1356	12092	6126	729

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10642
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:14	ZZZZZZ	1365	12144	6157	731
14:18	ZZZZZZ	1369	12141	6067	735
14:23	FA2878-1	1579	14623	7052	708
14:28	FA2878-2	1567	14588	7051	714
14:33	MP24850-SD1	1418	12602	6379	731
14:37	MP24874-SD1	1364	12163	6185	733
14:42	MP24881-MB1	1362	12105	6233	720
14:46	MP24881-B1	1350	12186	6119	728
14:51	MA10642-CCV7	1326	12043	6036	707
14:55	MA10642-CCB7	1349	11985	6122	718
14:59	FA2914-5	1327	12129	6078	723
15:04	MP24881-D1	1321	11975	6107	715
15:08	MP24881-SD1	1357	12084	6175	722
15:13	MP24881-PS1	1329	12007	6045	721
15:17	MP24881-S1	1323	12077	6046	720
15:22	MP24881-S2	1314	12056	6050	717
15:26	ZZZZZZ	1329	12169	6192	727
15:31	ZZZZZZ	1323	12092	6137	721
15:35	ZZZZZZ	1331	12055	6061	727
15:40	ZZZZZZ	1325	12102	6070	727
15:44	MA10642-CCV8	1317	12095	6061	707
15:48	MA10642-CCB8	1327	11847	6072	709
15:53	ZZZZZZ	1338	12171	6185	727
15:57	ZZZZZZ	1331	12185	6156	728
16:02	ZZZZZZ	1337	12221	6135	730
16:06	ZZZZZZ	1322	12175	6060	727
16:11	ZZZZZZ	1293	12108	6131	711
16:16	ZZZZZZ	1321	12117	6163	719
16:20	ZZZZZZ	1323	12069	6081	724
16:25	ZZZZZZ	1318	12078	6084	722
16:29	ZZZZZZ	1312	12042	6063	722
16:34	ZZZZZZ	1338	12230	6238	725
16:38	MA10642-CCV9	1302	12160	6088	693

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10642
Parameters: Al,Sb,As,Cd,Ca,Cr,Fe,Mg,K,Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:42	MA10642-CCB9	1348	11978	6175	714
16:47	ZZZZZZ	1338	12217	6185	721
16:51	ZZZZZZ	1335	12043	6154	724
16:56	ZZZZZZ	1340	12191	6206	725
17:00	ZZZZZZ	1342	12214	6274	724
17:05	ZZZZZZ	1403	12571	6435	724
17:32	MA10642-CCV10	1316	12012	6054	700
17:36	MA10642-CCB10	1331	11807	6059	706
18:21	MA10642-CRIA2	1331	12020	6071	718
18:25	MA10642-CCV11	1291	11966	5946	695
18:29	MA10642-CCB11	1334	11941	6188	703
18:34	MA10642-ICSA2	1240	11581	5647	665
18:39	MA10642-ICSAB2	1240	11545	5675	662
18:43	MA10642-CCV12	1301	11882	5918	695
18:47	MA10642-CCB12	1337	11942	6071	712

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10642 Units: ug/l

Time:			08:58		09:48		10:41		11:34	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	-3.8	<200	-2.8	<200	-1.2	<200	0.50	<200
Antimony	6.0	1.3	0.30	<6.0	0.10	<6.0	0.20	<6.0	0.40	<6.0
Arsenic	10	1.6	1.9	<10	1.0	<10	1.2	<10	2.6	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.0	<5.0	-0.10	<5.0	0.0	<5.0
Calcium	1000	50	-0.70	<1000	0.30	<1000	2.4	<1000	2.5	<1000
Chromium	10	1.8	-0.40	<10	-0.30	<10	-0.10	<10	-0.40	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	-4.8	<300	-12	<300	3.5	<300	3.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	0.0	<5000	-15	<5000	-10	<5000	-30	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	28.0	<10000	2.8	<10000	15.8	<10000	14.7	<10000
Selenium	10	2	-1.4	<10	-0.40	<10	0.10	<10	-0.40	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10642 Units: ug/l

Time:			12:28		13:22		14:01		14:55	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	2.8	<200	-3.4	<200	7.1	<200	4.6	<200
Antimony	6.0	1.3	0.70	<6.0	1.7	<6.0	1.1	<6.0	2.9	<6.0
Arsenic	10	1.6	1.2	<10	0.50	<10	0.80	<10	0.70	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	0.10	<5.0	0.0	<5.0	0.0	<5.0	0.0	<5.0
Calcium	1000	50	3.7	<1000	7.1	<1000	4.0	<1000	5.2	<1000
Chromium	10	1.8	0.20	<10	0.0	<10	0.20	<10	0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	1.2	<300	2.0	<300	12.8	<300	19.5	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-7.3	<5000	-10	<5000	2.5	<5000	-5.9	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	24.4	<10000	48.7	<10000	10.0	<10000	-3.0	<10000
Selenium	10	2	-1.1	<10	-1.2	<10	1.2	<10	0.30	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10642 Units: ug/l

Time:			15:48		16:42		17:36		18:29	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	5.0	<200	6.1	<200	8.9	<200	10.1	<200
Antimony	6.0	1.3	2.0	<6.0	2.2	<6.0	2.1	<6.0	2.2	<6.0
Arsenic	10	1.6	-0.10	<10	0.40	<10	-0.30	<10	-1.4	<10
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	-0.10	<5.0	0.0	<5.0	0.0	<5.0	0.10	<5.0
Calcium	1000	50	3.6	<1000	7.0	<1000	9.3	<1000	9.0	<1000
Chromium	10	1.8	0.50	<10	0.40	<10	0.30	<10	0.30	<10
Cobalt	50	.5	anr							
Copper	25	1	anr							
Iron	300	29	16.8	<300	23.0	<300	20.9	<300	23.3	<300
Lead	5.0	1.1	anr							
Magnesium	5000	74	-16	<5000	-1.7	<5000	-0.20	<5000	2.7	<5000
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200	-17	<10000	0.70	<10000	-4.2	<10000	5.2	<10000
Selenium	10	2	-0.20	<10	0.80	<10	-0.90	<10	-0.40	<10
Silver	10	.5	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10642 Units: ug/l

Time:			18:47	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	15	9.1	<200
Antimony	6.0	1.3	3.3	<6.0
Arsenic	10	1.6	0.70	<10
Barium	200	1	anr	
Beryllium	4.0	.5	anr	
Cadmium	5.0	.5	0.20	<5.0
Calcium	1000	50	11.9	<1000
Chromium	10	1.8	0.50	<10
Cobalt	50	.5	anr	
Copper	25	1	anr	
Iron	300	29	29.6	<300
Lead	5.0	1.1	anr	
Magnesium	5000	74	-8.6	<5000
Manganese	15	.7	anr	
Molybdenum	50	.6		
Nickel	40	.5	anr	
Potassium	10000	200	8.4	<10000
Selenium	10	2	0.60	<10
Silver	10	.5	anr	
Sodium	10000	500	anr	
Strontium	10	.5		
Thallium	10	1.3	anr	
Tin	50	.7		
Titanium	10	.9		
Vanadium	50	.5	anr	
Zinc	20	3	anr	

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10642 Units: ug/l

Time:		08:52			09:33			10:37	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40500	101.3	40000	40600	101.5
Antimony	2000	2000	100.0	2000	2000	100.0	2000	2040	102.0
Arsenic	2000	1970	98.5	2000	1980	99.0	2000	2010	100.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2020	101.0	2000	2040	102.0	2000	2080	104.0
Calcium	40000	40700	101.8	40000	40900	102.3	40000	41200	103.0
Chromium	2000	2040	102.0	2000	2080	104.0	2000	2060	103.0
Cobalt	anr								
Copper	anr								
Iron	40000	40800	102.0	40000	41100	102.8	40000	41300	103.3
Lead	anr								
Magnesium	40000	38300	95.8	40000	40500	101.3	40000	40600	101.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40300	100.8	40000	40200	100.5	40000	40700	101.8
Selenium	2000	2010	100.5	2000	2010	100.5	2000	2030	101.5
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10642 Units: ug/l

Time:		11:30			12:23			13:17	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40600	101.5	40000	40300	100.8
Antimony	2000	2050	102.5	2000	2050	102.5	2000	2080	104.0
Arsenic	2000	2020	101.0	2000	2040	102.0	2000	2060	103.0
Barium	anr								
Beryllium	anr								
Cadmium	2000	2100	105.0	2000	2120	106.0	2000	2130	106.5
Calcium	40000	42000	105.0	40000	42400	106.0	40000	41700	104.3
Chromium	2000	2090	104.5	2000	2100	105.0	2000	2100	105.0
Cobalt	anr								
Copper	anr								
Iron	40000	42000	105.0	40000	42400	106.0	40000	42400	106.0
Lead	anr								
Magnesium	40000	41200	103.0	40000	41600	104.0	40000	41100	102.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40500	101.3	40000	40900	102.3	40000	40800	102.0
Selenium	2000	2040	102.0	2000	2060	103.0	2000	2100	105.0
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10642 Units: ug/l

Time:		13:52			14:51			15:44	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40500	101.3	40000	39700	99.3	40000	39600	99.0
Antimony	2000	1980	99.0	2000	2010	100.5	2000	2020	101.0
Arsenic	2000	1960	98.0	2000	2000	100.0	2000	2010	100.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2000	100.0	2000	2040	102.0	2000	2050	102.5
Calcium	40000	40000	100.0	40000	40000	100.0	40000	39900	99.8
Chromium	2000	2020	101.0	2000	2030	101.5	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	40000	39800	99.5	40000	40200	100.5	40000	40100	100.3
Lead	anr								
Magnesium	40000	39600	99.0	40000	39600	99.0	40000	39500	98.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40200	100.5	40000	39500	98.8	40000	39400	98.5
Selenium	2000	1980	99.0	2000	2020	101.0	2000	2050	102.5
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10642 Units: ug/l

Time:		16:38			17:32			18:25	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	39800	99.5	40000	40100	100.3
Antimony	2000	2050	102.5	2000	2020	101.0	2000	2060	103.0
Arsenic	2000	2030	101.5	2000	2010	100.5	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Cadmium	2000	2080	104.0	2000	2060	103.0	2000	2090	104.5
Calcium	40000	40200	100.5	40000	40200	100.5	40000	40800	102.0
Chromium	2000	2020	101.0	2000	2040	102.0	2000	2050	102.5
Cobalt	anr								
Copper	anr								
Iron	40000	40600	101.5	40000	40400	101.0	40000	41200	103.0
Lead	anr								
Magnesium	40000	39700	99.3	40000	39700	99.3	40000	40200	100.5
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	40000	40000	100.0	40000	39700	99.3	40000	40200	100.5
Selenium	2000	2070	103.5	2000	2040	102.0	2000	2090	104.5
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10642 Units: ug/l

Time:		18:43	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	40000	40300	100.8
Antimony	2000	2040	102.0
Arsenic	2000	2030	101.5
Barium	anr		
Beryllium	anr		
Cadmium	2000	2070	103.5
Calcium	40000	40800	102.0
Chromium	2000	2060	103.0
Cobalt	anr		
Copper	anr		
Iron	40000	41000	102.5
Lead	anr		
Magnesium	40000	40500	101.3
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	40000	40200	100.5
Selenium	2000	2070	103.5
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10642 Units: ug/l

Time:		08:43	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80600	100.8
Antimony	4000	4030	100.8
Arsenic	4000	4020	100.5
Barium	anr		
Beryllium	anr		
Cadmium	4000	4000	100.0
Calcium	80000	80100	100.1
Chromium	4000	4000	100.0
Cobalt	anr		
Copper	anr		
Iron	80000	80300	100.4
Lead	anr		
Magnesium	80000	80700	100.9
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	80000	81200	101.5
Selenium	4000	4010	100.3
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10642 Units: ug/l

Time:			09:02		18:21	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	197	98.5	195	97.5
Antimony	10	5.0	4.4	88.0	6.5	130.0
Arsenic	20	10	11.6	116.0	9.9	99.0
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	5.3	106.0	5.1	102.0
Calcium	2000	1000	1040	104.0	1000	100.0
Chromium	20	10	10.1	101.0	10.4	104.0
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	308	102.7	315	105.0
Lead	10	5.0	anr			
Magnesium	10000	5000	4910	98.2	4800	96.0
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	9710	97.1	9600	96.0
Selenium	20	10	9.3	93.0	9.7	97.0
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SA040113M1.ICP Date Analyzed: 04/01/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10642 Units: ug/l

Time:			09:11		09:22		18:34		18:39	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	519000	103.8	515000	103.0	509000	101.8	513000	102.6
Antimony		1000	-0.40		1020	102.0	1.1		1030	103.0
Arsenic		1000	-2.0		987	98.7	-2.9		1000	100.0
Barium		500	-0.30		530	106.0	-0.60		534	106.8
Beryllium		500	0.0		515	103.0	-0.10		515	103.0
Cadmium		1000	0.0		953	95.3	-1.8		959	95.9
Calcium	500000	500000	501000	100.2	489000	97.8	492000	98.4	486000	97.2
Chromium		500	0.60		483	96.6	0.90		485	97.0
Cobalt		500	-0.90		488	97.6	-1.1		494	98.8
Copper		500	0.0		581	116.2	-0.30		572	114.4
Iron	200000	200000	194000	97.0	197000	98.5	192000	96.0	197000	98.5
Lead		1000	0.10		976	97.6	3.9		969	96.9
Magnesium	500000	500000	528000	105.6	518000	103.6	518000	103.6	515000	103.0
Manganese		500	0.0		497	99.4	0.0		498	99.6
Molybdenum		1000	0.60		951	95.1	0.90		969	96.9
Nickel		1000	0.40		973	97.3	0.10		976	97.6
Potassium			-4.5		15.0		-22		-24	
Selenium		1000	0.0		956	95.6	0.50		977	97.7
Silver		1000	-0.80		1060	106.0	-1.8		1020	102.0
Sodium			83.2		92.8		72.2		84.2	
Strontium		1000	12.6		1030	103.0	12.2		1030	103.0
Thallium		1000	0.0		998	99.8	2.3		992	99.2
Tin		1000	0.90		929	92.9	1.4		928	92.8
Titanium		1000	-4.4		993	99.3	-3.7		991	99.1
Vanadium		500	0.0		495	99.0	-0.10		490	98.0
Zinc		1000	-1.4		933	93.3	-2.1		935	93.5

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10649
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:37	MA10649-STD1	1		STDA
08:41	MA10649-STD2	1		STDB
08:45	MA10649-STD3	1		STDC
08:50	MA10649-STD4	1		STDD
08:55	MA10649-HSTD1	1		
09:02	MA10649-ICV1	1		
09:11	MA10649-ICB1	1		
09:15	MA10649-CRIA1	1		
09:36	MA10649-ICSA1	1		
09:47	MA10649-ICSAB1	1		
09:54	MA10649-CCV1	1		
10:01	MA10649-CCB1	1		
10:07	FA3269-1	50		(sample used for QC only; not part of login FA2878)
10:15	MP24886-S1	50		
10:19	MP24886-S2	50		
10:23	MP24886-PS1	50		
10:28	MP24886-SD1	250		
10:32	ZZZZZZ	4		
10:36	FA2878-1	20		
10:40	FA2878-2	20		
---------->	Last reportable sample/prep for job FA2878			
10:50	MA10649-CCV2	1		
10:54	MA10649-CCB2	1		
10:59	MP24886-D1	50		
11:03	FA3169-1	4		(sample used for QC only; not part of login FA2878)
11:07	MP24887-D1	4		
11:11	MP24887-S1	4		
11:15	MP24887-S2	4		
11:19	MP24887-PS1	4		
11:23	MP24887-SD1	20		
11:28	ZZZZZZ	10		
11:32	ZZZZZZ	5		
11:36	ZZZZZZ	2		
11:40	MA10649-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10649
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:44	MA10649-CCB3	1		
11:49	ZZZZZZ	4		
11:53	ZZZZZZ	10		
11:57	ZZZZZZ	20		
12:01	MP24897-S1	1		
12:05	MP24897-S2	1		
12:09	ZZZZZZ	1		
12:14	MP24897-D2	1		
12:18	MP24897-MB2	1		
12:23	MP24897-B2	1		
12:27	MP24898-MB1	1		
12:31	MA10649-CCV4	1		
12:35	MA10649-CCB4	1		
12:39	MP24898-B1	1		
12:43	FA2979-1	1		(sample used for QC only; not part of login FA2878)
12:47	MP24898-D1	1		
12:52	MP24898-SD1	5		
12:56	MP24898-PS1	1		
13:00	MP24898-S1	1		
13:04	MP24898-S2	1		
13:08	ZZZZZZ	1		
13:12	ZZZZZZ	1		
13:16	ZZZZZZ	1		
13:21	MA10649-CCV5	1		
13:25	MA10649-CCB5	1		
13:29	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:55	ZZZZZZ	1		
13:59	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10649
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:03	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:12	MA10649-CCV6	1		
14:16	MA10649-CCB6	1		
14:20	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:29	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:46	FA2987-1	20		(sample used for QC only; not part of login FA2878)
14:50	MP24888-D1	20		
14:54	MP24888-S1	20		
14:59	MP24888-S2	20		
15:03	MA10649-CCV7	1		
15:07	MA10649-CCB7	1		
15:11	MP24888-PS1	20		
15:16	MP24888-SD1	100		
15:20	ZZZZZZ	20		
15:24	ZZZZZZ	20		
15:28	ZZZZZZ	10		
15:33	ZZZZZZ	20		
15:37	ZZZZZZ	2		
15:41	ZZZZZZ	20		
15:46	ZZZZZZ	20		
15:50	ZZZZZZ	20		
15:54	MA10649-CCV8	1		
15:59	MA10649-CCB8	1		
16:18	MA10649-CCV9	1		
16:21	MA10649-CCB9	1		
16:25	ZZZZZZ	5		
16:29	ZZZZZZ	20		
16:33	ZZZZZZ	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10649
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:38	ZZZZZZ	4		
16:42	ZZZZZZ	4		
16:46	ZZZZZZ	5		
16:50	ZZZZZZ	10		
16:55	ZZZZZZ	10		
16:59	ZZZZZZ	2		
17:03	ZZZZZZ	4		
17:07	MA10649-CCV10	1		
17:11	MA10649-CCB10	1		
17:16	MP24904-MB1	1		
17:20	MP24904-B1	1		
17:24	FA3037-1	1		(sample used for QC only; not part of login FA2878)
17:28	MP24904-D1	1		
17:33	MP24904-SD1	5		
17:37	MP24904-PS1	1		
17:41	MP24904-S1	1		
17:45	MP24904-S2	1		
17:50	ZZZZZZ	1		
17:54	ZZZZZZ	1		
17:58	MA10649-CCV11	1		
18:02	MA10649-CCB11	1		
18:06	ZZZZZZ	1		
18:11	ZZZZZZ	1		
18:15	ZZZZZZ	1		
18:19	ZZZZZZ	1		
18:24	ZZZZZZ	1		
18:28	ZZZZZZ	1		
18:32	ZZZZZZ	1		
18:37	ZZZZZZ	1		
18:41	ZZZZZZ	1		
18:46	ZZZZZZ	1		
18:50	MA10649-CCV12	1		
18:54	MA10649-CCB12	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10649
Parameters: Na

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:58	ZZZZZZ	1		
19:03	ZZZZZZ	1		
19:07	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:20	ZZZZZZ	1		
19:24	ZZZZZZ	1		
19:29	MA10649-CRIA2	1		
19:33	MA10649-ICSA2	1		
19:37	MA10649-ICSAB2	1		
19:41	MA10649-CCV13	1		
19:45	MA10649-CCB13	1		
---------->	Last reportable CCB for job FA2878			
19:50	MA10649-CCV14	1		
19:54	MA10649-CCB14	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10649
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:37	MA10649-STD1	5166	34512	7835	2323
08:41	MA10649-STD2	5113	34230	7931	2184
08:45	MA10649-STD3	4917	33062	7692	1944
08:50	MA10649-STD4	4755	31791	7708	1763
08:55	MA10649-HSTD1	4703	31400	7638	1768
09:02	MA10649-ICV1	4902	32824	7650	1949
09:11	MA10649-ICB1	5133 R	34305 R	7787 R	2316 R
09:15	MA10649-CRIA1	5075	33536	7775	2245
09:36	MA10649-ICSA1	4496	28859	7353	1702
09:47	MA10649-ICSAB1	4435	28697	7304	1663
09:54	MA10649-CCV1	4917	32787	7786	1954
10:01	MA10649-CCB1	5160	34543	7776	2321
10:07	FA3269-1	4836	31581	7526	1838
10:15	MP24886-S1	4781	31286	7654	1840
10:19	MP24886-S2	4832	31690	7610	1852
10:23	MP24886-PS1	4814	31697	7548	1830
10:28	MP24886-SD1	4933	32909	7736	2102
10:32	ZZZZZZ	4920	33084	7681	2168
10:36	FA2878-1	5201	34302	8008	2006
10:40	FA2878-2	5223	34236	8014	2024
10:50	MA10649-CCV2	4808	32134	7585	1926
10:54	MA10649-CCB2	5145	34783	7792	2321
10:59	MP24886-D1	4853	31856	7577	1855
11:03	FA3169-1	4896	32710	7650	2084
11:07	MP24887-D1	4801	32087	7569	2055
11:11	MP24887-S1	4889	32618	7623	2031
11:15	MP24887-S2	4886	32488	7568	2018
11:19	MP24887-PS1	4868	32464	7538	2043
11:23	MP24887-SD1	5038	33523	7680	2212
11:28	ZZZZZZ	4802	31853	7557	2016
11:32	ZZZZZZ	5066	33566	7701	2181
11:36	ZZZZZZ	4934	32833	7639	2077
11:40	MA10649-CCV3	4947	32737	7582	1929

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10649
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:44	MA10649-CCB3	5125	34393	7744	2306
11:49	ZZZZZZ	4976	33354	7724	2147
11:53	ZZZZZZ	4933	32765	7611	2077
11:57	ZZZZZZ	4977	32989	7627	2104
12:01	MP24897-S1	4841	32177	7627	1905
12:05	MP24897-S2	4830	32122	7678	1904
12:09	ZZZZZZ	4872	32266	7730	2066
12:14	MP24897-D2	4751	31702	7558	1970
12:18	MP24897-MB2	4861	32217	7610	2056
12:23	MP24897-B2	4811	31913	7607	1954
12:27	MP24898-MB1	5072	34550	7709	2319
12:31	MA10649-CCV4	4810	32358	7656	1948
12:35	MA10649-CCB4	5031	34068	7684	2319
12:39	MP24898-B1	4879	32942	7629	2056
12:43	FA2979-1	4890	33038	7667	2153
12:47	MP24898-D1	4865	33091	7675	2159
12:52	MP24898-SD1	5043	34327	7816	2303
12:56	MP24898-PS1	4828	32836	7682	2101
13:00	MP24898-S1	4819	32591	7658	2001
13:04	MP24898-S2	4819	32513	7702	1995
13:08	ZZZZZZ	4900	33455	7716	2207
13:12	ZZZZZZ	4789	32493	7623	2134
13:16	ZZZZZZ	4794	32735	7635	2168
13:21	MA10649-CCV5	4738	32251	7594	1949
13:25	MA10649-CCB5	5068	34754	7707	2345
13:29	ZZZZZZ	4911	33602	7691	2225
13:33	ZZZZZZ	4950	33742	7706	2242
13:38	ZZZZZZ	4828	33231	7738	2209
13:42	ZZZZZZ	4866	33324	7707	2196
13:46	ZZZZZZ	4944	34040	7769	2223
13:50	ZZZZZZ	4926	33852	7745	2245
13:55	ZZZZZZ	4722	32063	7535	2077
13:59	ZZZZZZ	4892	33659	7678	2238

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10649
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:03	ZZZZZZ	4687	31898	7656	2079
14:08	ZZZZZZ	4771	32432	7597	2111
14:12	MA10649-CCV6	4852	32706	7622	1963
14:16	MA10649-CCB6	5045	34251	7652	2332
14:20	ZZZZZZ	4764	32610	7576	2128
14:24	ZZZZZZ	4739	32476	7564	2115
14:29	ZZZZZZ	4693	32129	7570	2109
14:33	ZZZZZZ	4667	31861	7608	2099
14:37	ZZZZZZ	4714	32402	7579	2090
14:41	ZZZZZZ	4957	34045	7775	2252
14:46	FA2987-1	4682	31592	7547	1982
14:50	MP24888-D1	4702	31889	7473	2027
14:54	MP24888-S1	4725	32195	7562	2036
14:59	MP24888-S2	4661	31727	7587	2012
15:03	MA10649-CCV7	4770	32393	7611	1961
15:07	MA10649-CCB7	4979	34119	7588	2305
15:11	MP24888-PS1	4675	31719	7476	1984
15:16	MP24888-SD1	4872	32996	7584	2197
15:20	ZZZZZZ	4676	31678	7465	2017
15:24	ZZZZZZ	4626	31347	7552	2007
15:28	ZZZZZZ	4749	32288	7581	2017
15:33	ZZZZZZ	4693	31986	7455	2029
15:37	ZZZZZZ	5816	39557	8977	2172
15:41	ZZZZZZ	4607	31147	7344	1978
15:46	ZZZZZZ	4607	31263	7396	1982
15:50	ZZZZZZ	4661	31801	7544	2032
15:54	MA10649-CCV8	4750	32585	7677	1964
15:59	MA10649-CCB8	4942	33871	7561	2304
16:18	MA10649-CCV9	4693	32318	7533	1956
16:21	MA10649-CCB9	4887	33631	7580	2327
16:25	ZZZZZZ	6145	41720	9685	2150
16:29	ZZZZZZ	4763	32509	7478	2111
16:33	ZZZZZZ	4831	32902	7542	2187

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10649
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:38	ZZZZZZ	4748	32335	7500	2133
16:42	ZZZZZZ	4692	31951	7490	2107
16:46	ZZZZZZ	4809	32689	7508	2169
16:50	ZZZZZZ	4785	32698	7495	2131
16:55	ZZZZZZ	4737	32342	7383	2119
16:59	ZZZZZZ	4707	31939	7573	2097
17:03	ZZZZZZ	4758	32720	7605	2168
17:07	MA10649-CCV10	4672	32023	7454	1937
17:11	MA10649-CCB10	4927	33952	7527	2304
17:16	MP24904-MB1	4900	34052	7572	2298
17:20	MP24904-B1	4724	32523	7576	2060
17:24	FA3037-1	4530	31033	7467	1958
17:28	MP24904-D1	4590	31279	7465	1955
17:33	MP24904-SD1	4776	32515	7413	2141
17:37	MP24904-PS1	4554	31117	7455	1932
17:41	MP24904-S1	4570	31059	7527	1881
17:45	MP24904-S2	4580	31046	7500	1874
17:50	ZZZZZZ	4584	31212	7431	1954
17:54	ZZZZZZ	4674	31748	7478	2010
17:58	MA10649-CCV11	4670	31720	7519	1934
18:02	MA10649-CCB11	4885	33499	7583	2302
18:06	ZZZZZZ	4702	32067	7599	1996
18:11	ZZZZZZ	4674	31788	7498	2009
18:15	ZZZZZZ	4882	33545	7774	2159
18:19	ZZZZZZ	4756	32744	7685	2136
18:24	ZZZZZZ	4559	31263	7439	1988
18:28	ZZZZZZ	4703	32181	7455	2054
18:32	ZZZZZZ	3765	24716	6760	1433
18:37	ZZZZZZ	3341	21711	6453	1216
18:41	ZZZZZZ	3506	22749	6560	1306
18:46	ZZZZZZ	3463	22592	6470	1261
18:50	MA10649-CCV12	4764	32420	7450	1945
18:54	MA10649-CCB12	4934	33766	7565	2301

INTERNAL STANDARD SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
Analyst: LM Run ID: MA10649
Parameters: Na

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:58	ZZZZZZ	3506	22777	6507	1307
19:03	ZZZZZZ	4686	31796	7520	2000
19:07	ZZZZZZ	4904	33833	7732	2273
19:11	ZZZZZZ	4640	31931	7460	2031
19:16	ZZZZZZ	4840	33144	7498	2171
19:20	ZZZZZZ	4648	31759	7459	2034
19:24	ZZZZZZ	4769	32652	7546	2126
19:29	MA10649-CRIA2	4945	33537	7576	2245
19:33	MA10649-ICSA2	4366	28936	7222	1694
19:37	MA10649-ICSAB2	4334	28746	7193	1657
19:41	MA10649-CCV13	4764	32198	7594	1958
19:45	MA10649-CCB13	4973	34233	7537	2311
19:50	MA10649-CCV14	4789	32546	7513	1950
19:54	MA10649-CCB14	4980	34124	7630	2306

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10649 Units: ug/l

Time:			09:11		10:01		10:54		11:44	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50								
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74								
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	-8.2	<10000	-4.6	<10000	-3.3	<10000	7.9	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10649 Units: ug/l

Time:			12:35		13:25		14:16		15:07	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50								
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74								
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	24.4	<10000	4.0	<10000	8.3	<10000	6.4	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10649 Units: ug/l

Time:			15:59		16:21		17:11		18:02	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	15	anr							
Antimony	6.0	1.3	anr							
Arsenic	10	1.6	anr							
Barium	200	1	anr							
Beryllium	4.0	.5	anr							
Cadmium	5.0	.5	anr							
Calcium	1000	50								
Chromium	10	1.8	anr							
Cobalt	50	.5								
Copper	25	1	anr							
Iron	300	29	anr							
Lead	5.0	1.1	anr							
Magnesium	5000	74								
Manganese	15	.7	anr							
Molybdenum	50	.6								
Nickel	40	.5	anr							
Potassium	10000	200								
Selenium	10	2	anr							
Silver	10	.5	anr							
Sodium	10000	500	8.8	<10000	11.0	<10000	12.0	<10000	57.4	<10000
Strontium	10	.5								
Thallium	10	1.3	anr							
Tin	50	.7								
Titanium	10	.9								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA10649 Units: ug/l

Time:			18:54		19:45	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	15	anr			
Antimony	6.0	1.3	anr			
Arsenic	10	1.6	anr			
Barium	200	1	anr			
Beryllium	4.0	.5	anr			
Cadmium	5.0	.5	anr			
Calcium	1000	50				
Chromium	10	1.8	anr			
Cobalt	50	.5				
Copper	25	1	anr			
Iron	300	29	anr			
Lead	5.0	1.1	anr			
Magnesium	5000	74				
Manganese	15	.7	anr			
Molybdenum	50	.6				
Nickel	40	.5	anr			
Potassium	10000	200				
Selenium	10	2	anr			
Silver	10	.5	anr			
Sodium	10000	500	635	<10000	157	<10000
Strontium	10	.5				
Thallium	10	1.3	anr			
Tin	50	.7				
Titanium	10	.9				
Vanadium	50	.5				
Zinc	20	3	anr			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10649 Units: ug/l

Time:		09:02			09:54			10:50	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	40300	100.8	40000	40200	100.5	40000	40900	102.3
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10649 Units: ug/l

Time:		11:40			12:31			13:21	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	40800	102.0	40000	40500	101.3	40000	40300	100.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10649 Units: ug/l

Time:		14:12			15:03			15:54	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	40200	100.5	40000	39800	99.5	40000	39900	99.8
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10649 Units: ug/l

Time:		16:18			17:07			17:58	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	40000	40300	100.8	40000	40600	101.5	40000	40800	102.0
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA10649 Units: ug/l

Time:		18:50			19:41	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	anr					
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium	40000	40700	101.8	40000	40400	101.0
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA10649 Units: ug/l

Time:		08:55	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium			
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium	80000	80600	100.8
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA10649 Units: ug/l

Time:			09:15		19:29	
Sample ID:	CRI	CRIA	CRIA1		CRIA2	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	anr			
Magnesium	10000	5000				
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	9690	96.9	9950	99.5
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: SB040313M1.ICP Date Analyzed: 04/03/13 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA10649 Units: ug/l

Time:			09:36		09:47		19:33		19:37	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	501000	100.2	506000	101.2	500000	100.0	506000	101.2
Antimony		1000	0.0		1040	104.0	2.1		1010	101.0
Arsenic		1000	-0.20		1040	104.0	0.50		1030	103.0
Barium		500	0.0		531	106.2	0.0		526	105.2
Beryllium		500	-0.10		515	103.0	0.0		495	99.0
Cadmium		1000	0.0		950	95.0	-0.30		951	95.1
Calcium	500000	500000	476000	95.2	475000	95.0	468000	93.6	475000	95.0
Chromium		500	0.0		497	99.4	0.0		498	99.6
Cobalt		500	0.30		470	94.0	0.40		470	94.0
Copper		500	0.10		546	109.2	1.4		535	107.0
Iron	200000	200000	188000	94.0	197000	98.5	183000	91.5	189000	94.5
Lead		1000	0.20		951	95.1	6.4		1000	100.0
Magnesium	500000	500000	494000	98.8	498000	99.6	480000	96.0	482000	96.4
Manganese		500	0.0		512	102.4	0.0		501	100.2
Molybdenum		1000	-0.40		963	96.3	-0.30		920	92.0
Nickel		1000	-0.60		944	94.4	0.0		914	91.4
Potassium			15.0		11.5		105		111	
Selenium		1000	-0.10		1010	101.0	-0.80		995	99.5
Silver		1000	1.0		1030	103.0	1.2		1010	101.0
Sodium			69.0		65.3		395		363	
Strontium		1000	11.7		1020	102.0	11.8		1040	104.0
Thallium		1000	0.10		951	95.1	2.3		1010	101.0
Tin		1000	-0.30		888	88.8	-0.10		878	87.8
Titanium		1000	-2.3		1030	103.0	-1.9		990	99.0
Vanadium		500	0.20		502	100.4	0.40		494	98.8
Zinc		1000	1.5		954	95.4	1.4		959	95.9

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					03/28/13		03/28/13
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	15	15	-1.0	<200	47.2	<200
Antimony	6.0	1.3	1.3	-0.70	<6.0	-0.50	<6.0
Arsenic	10	1.6	2.5	-0.80	<10	-1.6	<10
Barium	200	1	1				
Beryllium	4.0	.5	.5				
Cadmium	5.0	.5	.5	0.0	<5.0	0.0	<5.0
Calcium	1000	50	50	-1.8	<1000	22.5	<1000
Chromium	10	1.8	2	0.20	<10	-0.20	<10
Cobalt	50	.5	.5				
Copper	25	1	1				
Iron	300	29	29	-3.8	<300	148	<300
Lead	5.0	1.1	1.1				
Magnesium	5000	74	74	1.7	<5000	34.6	<5000
Manganese	15	.7	.7				
Molybdenum	50	.6	1				
Nickel	40	.5	.5				
Potassium	10000	200	200	1.1	<10000	652	<10000
Selenium	10	2	2	-0.30	<10	-0.10	<10
Silver	10	.5	.5				
Sodium	10000	500	500	-3.0	<10000	823	<10000
Strontium	10	.5	.5				
Thallium	10	1.3	1.3				
Tin	50	.7	1.8				
Titanium	10	.9	1				
Vanadium	50	.5	1				
Zinc	20	3	5				

Associated samples MP24867: FA2878-1, FA2878-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			03/28/13					03/28/13	
Metal	FA2933-1 Original	DUP	RPD	QC Limits	FA2933-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	202	206	2.0	0-20	202	26900	27000	98.9	80-120
Antimony	0.0	0.0	NC	0-20	0.0	497	500	99.4	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	2000	2000	100.0	80-120
Barium									
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	48.7	50	97.4	80-120
Calcium	15000	15700	4.6	0-20	15000	40300	25000	101.2	80-120
Chromium	0.0	0.0	NC	0-20	0.0	207	200	103.5	80-120
Cobalt									
Copper									
Iron	2210	2270	2.7	0-20	2210	29200	26000	103.8	80-120
Lead	anr								
Magnesium	1990	2060	3.5	0-20	1990	26600	25000	98.4	80-120
Manganese									
Molybdenum									
Nickel	anr								
Potassium	0.00	0.00	NC	0-20	0.00	25100	25000	100.4	80-120
Selenium	0.0	0.0	NC	0-20	0.0	2020	2000	101.0	80-120
Silver									
Sodium	8720	9070	3.9	0-20	8720	33700	25000	99.9	80-120
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP24867: FA2878-1, FA2878-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/28/13

Metal	FA2933-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	202	26400	27000	97.0	1.9	20
Antimony	0.0	490	500	98.0	1.4	20
Arsenic	0.0	1960	2000	98.0	2.0	20
Barium						
Beryllium						
Cadmium	0.0	48.2	50	96.4	1.0	20
Calcium	15000	39600	25000	98.4	1.8	20
Chromium	0.0	202	200	101.0	2.4	20
Cobalt						
Copper						
Iron	2210	28500	26000	101.1	2.4	20
Lead	anr					
Magnesium	1990	26000	25000	96.0	2.3	20
Manganese						
Molybdenum						
Nickel	anr					
Potassium	0.00	24700	25000	98.8	1.6	20
Selenium	0.0	1970	2000	98.5	2.5	20
Silver						
Sodium	8720	33100	25000	97.5	1.8	20
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP24867: FA2878-1, FA2878-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/28/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	26700	27000	98.9	80-120
Antimony	498	500	99.6	80-120
Arsenic	1990	2000	99.5	80-120
Barium				
Beryllium				
Cadmium	49.1	50	98.2	80-120
Calcium	25200	25000	100.8	80-120
Chromium	205	200	102.5	80-120
Cobalt				
Copper				
Iron	27100	26000	104.2	80-120
Lead	anr			
Magnesium	24800	25000	99.2	80-120
Manganese				
Molybdenum				
Nickel	anr			
Potassium	24900	25000	99.6	80-120
Selenium	2000	2000	100.0	80-120
Silver				
Sodium	24800	25000	99.2	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24867: FA2878-1, FA2878-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/28/13

Metal	FA2933-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	202	211	4.2	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium				
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	15000	16200	7.5	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper				
Iron	2210	2310	4.7	0-10
Lead	anr			
Magnesium	1990	2190	9.7	0-10
Manganese				
Molybdenum				
Nickel	anr			
Potassium	0.00	0.00	NC	0-10
Selenium	0.00	0.00	NC	0-10
Silver				
Sodium	8720	9110	4.4	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP24867: FA2878-1, FA2878-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

POST DIGESTATE SPIKE SUMMARY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

QC Batch ID: MP24867
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/28/13

Metal	Sample ml	Final ml	FA2933-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum	9.8	10	202.2	198.156	2662	0.2	125	2500	98.6	80-120
Antimony	9.8	10	0	0	100.6	0.2	5	100	100.6	80-120
Arsenic	9.8	10	0	0	103.6	0.2	5	100	103.6	80-120
Barium										
Beryllium										
Cadmium	9.8	10	0	0	52	0.2	2.5	50	104.0	80-120
Calcium	9.8	10	15030	14729.4	20680	0.2	250	5000	119.0	80-120
Chromium	9.8	10	0	0	55	0.2	2.5	50	110.0	80-120
Cobalt										
Copper										
Iron	9.8	10	2208	2163.84	5377	0.2	150	3000	107.1	80-120
Lead										
Magnesium	9.8	10	1992	1952.16	6998	0.2	250	5000	100.9	80-120
Manganese										
Molybdenum										
Nickel										
Potassium	9.8	10	0	0	10240	0.2	500	10000	102.4	80-120
Selenium	9.8	10	0	0	101.3	0.2	5	100	101.3	80-120
Silver										
Sodium	9.8	10	8723	8548.54	18580	0.2	500	10000	100.3	80-120
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP24867: FA2878-1, FA2878-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN54939	5.0	1.0	mg/l	250	253	101.0	90-113%
Bromide	GP21230/GN54769	0.50	0.0	mg/l	12.5	12.9	103.2	90-110%
Chloride	GP21230/GN54769	2.0	0.0	mg/l	50	51.2	102.4	90-110%
Fluoride	GP21259/GN54814	0.20	0.0	mg/l	2.5	2.65	106.0	90-110%
Nitrogen, Nitrate	GP21230/GN54769	0.10	0.0	mg/l	2.5	2.48	99.2	90-110%
Nitrogen, Nitrite	GP21230/GN54769	0.10	0.0	mg/l	2.5	2.48	99.2	90-110%
Phosphate, Ortho	GP21216/GN54744	0.10	0.0	mg/l	0.300	0.29	97.2	83-116%
Phosphorus, Total	GP21278/GN54862	0.10	0.0	mg/l	.300	0.29	97.0	81-118%
Solids, Total Dissolved	GN55125	100	14.0	mg/l				
Sulfate	GP21230/GN54769	2.0	0.0	mg/l	50	50.0	100.0	90-110%

Associated Samples:
Batch GN54939: FA2878-1, FA2878-2
Batch GN55125: FA2878-1, FA2878-2
Batch GP21216: FA2878-1F, FA2878-2F
Batch GP21230: FA2878-1, FA2878-2
Batch GP21259: FA2878-1, FA2878-2
Batch GP21278: FA2878-1, FA2878-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN54939	FA3100-2	mg/l	72.2	73.5	1.8	0-20%
Phosphate, Ortho	GP21216/GN54744	FA2878-1F	mg/l	1870	1890	1.2	0-26%
Phosphorus, Total	GP21278/GN54862	FA2963-1	mg/l	0.44	0.060	3.8	0-22%
Solids, Total Dissolved	GN55125	FA3401-36	mg/l	161	154	4.4	0-5%
Specific Conductivity	GN54757	FA2878-1	umhos/cm	12700	12800	0.7	0-10%
pH	GN54756	FA2876-1	su	7.82	7.85	0.4	0-10%

Associated Samples:
Batch GN54756: FA2878-1, FA2878-2
Batch GN54757: FA2878-1, FA2878-2
Batch GN54939: FA2878-1, FA2878-2
Batch GN55125: FA2878-1, FA2878-2
Batch GP21216: FA2878-1F, FA2878-2F
Batch GP21278: FA2878-1, FA2878-2
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN54939	FA3100-2	mg/l	72.2	250	328	102.0	90-113%
Bromide	GP21230/GN54769	FA2880-6	mg/l	0.12 U	12.5	12.3	98.4	90-110%
Chloride	GP21230/GN54769	FA2880-6	mg/l	1.7	50	53.1	102.8	90-110%
Fluoride	GP21259/GN54814	FA2798-1	mg/l	0.81	2.5	3.0	87.6N(a)	90-110%
Nitrogen, Nitrate	GP21230/GN54769	FA2880-6	mg/l	0.050 U	2.5	2.5	100.0	90-110%
Nitrogen, Nitrite	GP21230/GN54769	FA2880-6	mg/l	0.13	2.5	2.6	98.8	90-110%
Phosphate, Ortho	GP21216/GN54744	FA2878-1F	mg/l	1870	0.300	4880	100.4	83-116%
Phosphorus, Total	GP21278/GN54862	FA2963-1	mg/l	0.44	.300	0.32	85.9	81-118%
Sulfate	GP21230/GN54769	FA2880-6	mg/l	33.3	50	80.4	94.2	90-110%

Associated Samples:
Batch GN54939: FA2878-1, FA2878-2
Batch GP21216: FA2878-1F, FA2878-2F
Batch GP21230: FA2878-1, FA2878-2
Batch GP21259: FA2878-1, FA2878-2
Batch GP21278: FA2878-1, FA2878-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Bromide	GP21230/GN54769	FA2880-6	mg/l	0.12 U	12.5	12.3	0.0	20%
Chloride	GP21230/GN54769	FA2880-6	mg/l	1.7	50	53.3	0.4	20%
Fluoride	GP21259/GN54814	FA2798-1	mg/l	0.81	2.5	2.9	3.4(a)	20%
Nitrogen, Nitrate	GP21230/GN54769	FA2880-6	mg/l	0.050 U	2.5	2.5	0.0	20%
Nitrogen, Nitrite	GP21230/GN54769	FA2880-6	mg/l	0.13	2.5	2.6	0.0	20%
Phosphorus, Total	GP21278/GN54862	FA2963-1	mg/l	0.44	.300	0.327	3.5	22%
Sulfate	GP21230/GN54769	FA2880-6	mg/l	33.3	50	81.0	0.7	20%

Associated Samples:
Batch GP21230: FA2878-1, FA2878-2
Batch GP21259: FA2878-1, FA2878-2
Batch GP21278: FA2878-1, FA2878-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210301.TXT Date Analyzed: 03/21/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54769
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:36	GN54769-CCV1	1		
08:51	GP21230-MB1	1		
09:07	GP21230-B1	1		
10:00	ZZZZZZ	2		
10:16	ZZZZZZ	2		
10:32	ZZZZZZ	2		
10:48	ZZZZZZ	2		
11:04	ZZZZZZ	5		
11:59	GN54769-CCV2	1		
12:15	GN54769-CCB1	1		
12:30	ZZZZZZ	1		
12:46	ZZZZZZ	5		
13:02	ZZZZZZ	25		
13:18	ZZZZZZ	10		
13:34	ZZZZZZ	1		
13:50	FA2878-1	100		
14:06	FA2878-2	100		
14:37	FA2880-6	1		(sample used for QC only; not part of login FA2878)
14:53	ZZZZZZ	1		
15:09	GN54769-CCV3	1		
15:25	GN54769-CCB2	1		
15:41	FA2880-8	2		(sample used for QC only; not part of login FA2878)
15:57	ZZZZZZ	2		
16:13	ZZZZZZ	5		
16:29	ZZZZZZ	1		
16:45	ZZZZZZ	10		
17:01	ZZZZZZ	5		
17:17	ZZZZZZ	25		
18:05	ZZZZZZ	50		
18:21	GN54769-CCV4	1		
18:37	GN54769-CCB3	1		
18:53	ZZZZZZ	50		
19:09	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210301.TXT Date Analyzed: 03/21/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54769
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:24	ZZZZZZ	1		
19:40	ZZZZZZ	5		
20:12	ZZZZZZ	10		
20:28	GP21230-S1	1		
20:44	GP21230-S2	1		
20:59	GP21230-S3	2		
21:15	GP21230-S4	2		
21:31	GN54769-CCV5	1		
21:47	GP21231-MB1	1		
22:03	GP21231-B1	1		
22:51	FA2672-15	1		(sample used for QC only; not part of login FA2878)
23:07	FA2672-16	1		(sample used for QC only; not part of login FA2878)
23:22	ZZZZZZ	5		
23:38	ZZZZZZ	1		
23:54	ZZZZZZ	100		
00:10	ZZZZZZ	5		
00:26	GN54769-CCV6	1		
00:42	GN54769-CCB4	1		
00:58	ZZZZZZ	1		
01:14	ZZZZZZ	100		
01:46	ZZZZZZ	100		
02:01	GP21231-S1	1		
02:17	GP21231-S2	1		
02:33	GP21231-S3	1		
02:49	GP21231-S4	1		
03:05	FA2878-1	200		
03:21	FA2878-2	200		
03:37	GN54769-CCV7	1		
03:53	GN54769-CCB5	1		
04:09	ZZZZZZ	25		
04:24	ZZZZZZ	25		
04:40	ZZZZZZ	10		
04:56	GN54769-CCV8	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210301.TXT Date Analyzed: 03/21/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54769
Parameters: Chloride,Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:12	GN54769-CCB6	1		

Refer to raw data for calibration curve and standards.

7.5

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Instrument QC Summary
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313210301.TXT Date Analyzed: 03/21/13 Methods: EPA 300/SW846 9056A
Run ID: GN54769 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54769-CCV1	Chloride	51.3	2.0	0.80	50	102.6	90-110
GN54769-CCV1	Nitrogen, Nitrate	2.5	0.10	0.050	2.5	100.0	90-110
GN54769-CCV1	Sulfate	49.0	2.0	0.60	50	98.0	90-110
GN54769-CCV2	Chloride	51.4	2.0	0.80	50	102.8	90-110
GN54769-CCV2	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54769-CCV2	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN54769-CCB1	Chloride	0.80 U	2.0	0.80			
GN54769-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54769-CCB1	Sulfate	0.60 U	2.0	0.60			
GN54769-CCV3	Chloride	52.1	2.0	0.80	50	104.2	90-110
GN54769-CCV3	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54769-CCV3	Sulfate	48.5	2.0	0.60	50	97.0	90-110
GN54769-CCB2	Chloride	0.80 U	2.0	0.80			
GN54769-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54769-CCB2	Sulfate	0.60 U	2.0	0.60			
GN54769-CCV4	Chloride	51.7	2.0	0.80	50	103.4	90-110
GN54769-CCV4	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54769-CCV4	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN54769-CCB3	Chloride	0.80 U	2.0	0.80			
GN54769-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54769-CCB3	Sulfate	0.60 U	2.0	0.60			
GN54769-CCV5	Chloride	51.5	2.0	0.80	50	103.0	90-110
GN54769-CCV5	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54769-CCV5	Sulfate	49.7	2.0	0.60	50	99.4	90-110
GN54769-CCV6	Chloride	51.5	2.0	0.80	50	103.0	90-110
GN54769-CCV6	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54769-CCV6	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN54769-CCB4	Chloride	0.80 U	2.0	0.80			
GN54769-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54769-CCB4	Sulfate	0.60 U	2.0	0.60			
GN54769-CCV7	Chloride	51.1	2.0	0.80	50	102.2	90-110
GN54769-CCV7	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54769-CCV7	Sulfate	49.4	2.0	0.60	50	98.8	90-110
GN54769-CCB5	Chloride	0.80 U	2.0	0.80			
GN54769-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54769-CCB5	Sulfate	0.60 U	2.0	0.60			
GN54769-CCV8	Chloride	51.5	2.0	0.80	50	103.0	90-110
GN54769-CCV8	Nitrogen, Nitrate	2.6	0.10	0.050	2.5	104.0	90-110
GN54769-CCV8	Sulfate	49.6	2.0	0.60	50	99.2	90-110
GN54769-CCB6	Chloride	0.80 U	2.0	0.80			
GN54769-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN54769-CCB6	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313250301.TXT Date Analyzed: 03/25/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54814
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:40	GN54814-CCV1	1		
09:56	GP21248-MB1	1		
10:12	GP21248-B1	1		
12:36	GN54814-CCV2	1		
12:52	GN54814-CCB1	1		
13:24	GN54814-CCV3	1		
13:40	GN54814-CCB2	1		
13:57	ZZZZZZ	500		
14:12	ZZZZZZ	500		
14:28	ZZZZZZ	100		
14:44	FA2845-3	1		(sample used for QC only; not part of login FA2878)
15:01	GP21248-S1	1		
15:17	GP21248-S2	1		
16:54	GN54814-CCV4	1		
17:19	GP21259-MB1	1		
17:35	GP21259-B1	1		
17:52	FA2798-1	1		(sample used for QC only; not part of login FA2878)
18:08	ZZZZZZ	500		
18:24	FA2878-1	500		
18:41	FA2878-2	500		
18:57	GP21259-S1	1		
19:13	GP21259-S2	1		
19:29	GN54814-CCV5	1		
19:45	GP21260-MB1	1		
20:02	GP21260-B1	1		
21:05	ZZZZZZ	1		
21:54	ZZZZZZ	1		
22:10	FA2847-6	1		(sample used for QC only; not part of login FA2878)
22:26	GN54814-CCV6	1		
22:42	GN54814-CCB3	1		
23:29	ZZZZZZ	1		
00:01	ZZZZZZ	2		
00:17	FA2658-3	5		(sample used for QC only; not part of login FA2878)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313250301.TXT Date Analyzed: 03/25/13 Methods: EPA 300/SW846 9056A
Analyst: AA Run ID: GN54814
Parameters: Fluoride

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:33	ZZZZZZ	1		
00:49	ZZZZZZ	5		
01:05	ZZZZZZ	500		
01:21	ZZZZZZ	1		
01:37	GN54814-CCV7	1		
01:53	GN54814-CCB4	1		
02:09	ZZZZZZ	1		
02:24	ZZZZZZ	1		
02:56	ZZZZZZ	500		
03:12	GP21260-S1	1		
03:28	GP21260-S2	1		
03:44	GP21260-S3	5		
04:00	GP21260-S4	5		
04:16	GN54814-CCV8	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA2878
Account: WSPECOD - WSP Environment & Energy
Project: Nu-West Conda Phosphate Operations, 3010 Conda Rd, Soda Springs, ID

File ID: 313250301.TXT Date Analyzed: 03/25/13 Methods: EPA 300/SW846 9056A
Run ID: GN54814 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN54814-CCV1	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54814-CCV2	Fluoride	2.5	0.20	0.060	2.5	100.0	90-110
GN54814-CCB1	Fluoride	0.060 U	0.20	0.060			
GN54814-CCV3	Fluoride	2.6	0.20	0.060	2.5	104.0	90-110
GN54814-CCB2	Fluoride	0.060 U	0.20	0.060			
GN54814-CCV4	Fluoride	2.7	0.20	0.060	2.5	108.0	90-110
GN54814-CCV5	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110
GN54814-CCV8	Fluoride	2.3	0.20	0.060	2.5	92.0	90-110

(!) Outside of QC limits